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Facility Global ID:	SLT43185183
Facility Name:	Norwalk, Fuel Terminal DFSP - DOD - NORWALK DFSP
File Name:	DFSP Norwalk Remediation Status Report_First Quarter 2023.pdf
Organization Name:	The Source Group, Inc.(Subsidiary of Apex Companies, LLC)
Username:	SIGNAL HILL
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Confirmation Number:	9485523879

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May 08, 2023

Mr. Paul Cho, P.G.

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

Dear Mr. Cho:

Enclosed is one electronic copy of the *Remediation Status Report – First Quarter 2023* for the Defense Fuel Support Point Norwalk (SCP NO. 0286A, SITE ID No. 16638), located at 15306 Norwalk Boulevard, Norwalk, California.

If you have any questions or require additional information concerning this document, please contact me at (571) 767-3022 or william.potter@dla.mil.

Sincerely,

POTTER.WILLIAM.Y.1394566272

Digitally signed by POTTER.WILLIAM.Y.1394566272
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William Y. Potter, P.G.
Restoration Branch Chief

Enclosure
As stated

cc: Neil Irish, P.G., Vice President/Division Manager, SGI/Apex

REMEDIATION STATUS REPORT – FIRST QUARTER 2023

DEFENSE FUEL SUPPORT POINT NORWALK
15306 Norwalk Boulevard
Norwalk, California

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

Prepared For:

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

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

1.0 INTRODUCTION

On behalf of our client, Defense Logistics Agency - Energy (DLA), The Source Group, Inc., a subsidiary of Apex Companies, LLC (SGI-Apex) presents this report to summarize remediation system operations during this reporting period (First Quarter 2023 – January 1, 2023 through March 31, 2023) for the Defense Fuel Support Point (DFSP) Norwalk facility, located at 15306 Norwalk Boulevard, Norwalk, California (Site; Figures 1 and 2).

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

1.1 Contaminants of Concern

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

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

1.2 Remediation Technologies

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

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

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

1.2.1 Groundwater Extraction and Treatment System

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

The GWETS utilizes electric pumps in each of the GWE wells to extract groundwater into a shared surge tank. Groundwater is then pumped from the surge tank through three particulate-removal bag filter vessels in series (BF1, BF2, and BF3), two MYCELX vessels in series (MX-7 and MX-21) for the removal of residual free product and/or oils/grease, a Bayoxide vessel for arsenic removal (added on June 22, 2022 [B-1]), and two coal-based carbon (GAC) vessels in series (2,000 lb GAC-3 and 2,000 lb GAC-2). The final two GAC vessels (1,500 lb GAC-4 and 750 lb GAC-1) were removed from the treatment process during the Third Quarter 2021 and First Quarter 2023, respectively. GAC-1 was placed in standby position and GAC-4 is no longer operable. The groundwater is then discharged to the sanitary sewer.

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

1.2.2 Biosparge System

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

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

Subsequently, biosparge system optimization was performed during the Fourth Quarter 2021. During the Second Quarter 2022, biosparge trunkline cycles were further adjusted at the control panel to alternate between eight groups rather than four, increasing pressure and flow to each well. Follow up monitoring is planned to verify system effectiveness and allow for any necessary adjustments to injection rates and/or cycling times. The Biosparge system was shut down December 16, 2022 due to well installation and expansion work. The system will be restarted following replacement and connection of a new, higher capacity compressor.

1.2.3 Soil Vapor Extraction Systems

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

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

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

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

1.2.3.1 Carbon Vapor Extraction System

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

Operation of the carbon VES is currently conducted in accordance with SCAQMD Permit to Operate G12863, A/N 518989 issued on April 15, 2011. This permit was modified under A/N 568793 and a Permit to Construct was issued on March 6, 2015, to additionally allow for above ground soil treatment activities at the Site which were completed in March 2017 (see Section 1.2.5 for further details). System operational data is summarized in Tables 3A through 3C. Active SVE wells associated with the system are identified in Section 3.2 and Table 4.

1.2.3.2 Thermal Oxidizer Vapor Extraction System

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

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

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

1.2.4 LNAPL Removal

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

An automated product recovery system connected to wells located in the central area of the Site has also operated since August 2016. LNAPL removal wells are identified in Sections 3.3 and 3.4 and Tables 7A through 7W. A map showing the measurable liquid-phase hydrocarbons during the second semiannual 2022 monitoring event is presented on Figure 3.

1.2.5 Above Ground Soil Treatment

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

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

1.2.6 Soil Management

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

2.0 OPERATIONS, MAINTENANCE AND MONITORING

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

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

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

2.1 Groundwater Extraction and Treatment System

The GWETS was restarted on October 10, 2019. GWE wells pumping to the GWETS this quarter were GW-14R, GWM-31 and GW-16. System OM&M details and monthly performance results are summarized in Tables 2A, 2B and 2C. A historical summary of influent water analytical sample results is provided in Table 8. Per the new sewer discharge permit, sampling is conducted semiannually and quarterly (chemical oxygen demand [COD] and suspended solids [SS] only) since January 1, 2020.

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

2.2 Soil Vapor Extraction Systems

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

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

A permanent thermal oxidizer VES was installed, and startup was conducted on March 13, 2019. System operational hours were limited to daytime hours from July to mid-August due to ongoing noise concerns from nearby residents. Sound blankets were installed in August and the thermal oxidizer began unrestricted operation (24/7) on August 26, 2019. The thermal oxidizer is intended to treat vapors associated with the relatively high concentration SVE wells that were originally tied into the carbon VES, as discussed in SGI-Apex's May 15, 2018, *Remediation Status Report - First Quarter 2018.* All such wells that have since been installed and connected as part of ongoing remediation expansion activities at the Site have been tied into the thermal oxidizer to cost-effectively accelerate the overall remediation project.

Compliance and/or performance soil vapor samples from the carbon and thermal oxidizer VESs were collected in Tedlar bags during the reporting period as summarized in Tables 4 and 6. Thermal VES analytical samples were not collected in January due to system shutdown on December 16th, 2022 for system maintenance and repair. The thermal VES was restarted in February 2023 following the repair work, and monthly sampling resumed. All vapor samples were delivered to Environmental Laboratory Accreditation Program (ELAP) accredited American Analytics for analysis.

The vapor samples were analyzed for the following:

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

Historical summaries of influent vapor analytical sampling results for the carbon VES and thermal oxidizer VES are provided in Tables 4 and 6, respectively. The laboratory analytical reports and chain-of-custody documents for the thermal oxidizer and carbon VES samples are included in Appendix A. As the Table 6 results indicate, thermal oxidizer VES concentrations decreased allowing for the installation of the catalytic cell on March 26, 2021. Maximum gasoline range organic (GRO), benzene and MTBE concentrations this period are 1,200 micrograms per liter (µg/L), 1.1 µg/L and non-detect (ND) <1.0 µg/L, respectively. Maximum historic levels for these constituents were previously 14,000 µg/L for GRO (October/December 2019) and 21 µg/L for benzene (August 2019). MTBE has never been detected.

2.3 Biosparge System

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

Dual-nested SVE and biosparge wells RW-1 through RW-34 were installed during late June and early July 2017 with additional wells, RW-35 through RW-50 and TFB-1 through TFB-38, installed during November and December 2017 (Table 1). All of these wells were installed as part of ongoing remedial expansion activities to target impacts in the eastern area, central area, and southern area of the Site (Figure 2) in accordance with SGI-Apex's March 14, 2017 *Well Replacement Report and Work Plan,* June 30, 2017 *Remediation Well Installation Update Report,* and July 11, 2018 *Well Installation Completion Report.*

Conveyance piping installation activities concluded in October 2018, and the system equipment assembly was completed in early December 2018. System equipment shakedown testing was conducted in mid-December 2018, and preliminary system startup occurred during the week of December 24, 2018. System operation resumed in early 2019. Biosparge operations were not conducted this quarter as the system was offline as discussed in section 1.2.2. Upon restart, Biosparge operations will continue in the central area, the eastern area, and the southern area wells. Biosparge system OM&M details during this quarter are provided in Tables 11A through 11C.

2.4 LNAPL Removal Via Bailing, Skimming and Absorbent Socks

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

2.5 LNAPL Removal Via Product Recovery System

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

All pumped product is routed to an AST located within the existing treatment compound via double contained conveyance piping. The product stored in the AST is subsequently removed off-site by a licensed transport, recycling and disposal company. No product was transported during this reporting period. LNAPL removal is determined individually for active wells with product removal pumps based on interpolating the total volume of product collected in the AST during a given quarter and periodically measuring the volume of LNAPL recovered per cycle for each pump. A portion of the total AST product volume is assigned to each active pump based on well-specific cycle duration and frequency values which are programmed based on current gauging and yield data. Product recovery

system OM&M continued through the current quarter with limited operation due to the decrease in LNAPL in wells. OM&M details for all wells connected to the product recovery system during this quarter are provided in Tables 7E through 7W.

3.0 SUMMARY OF REMEDIATION PROGRESS

The following sections describe remedial progress at the Site.

3.1 Groundwater Extraction and Treatment System

The GWETS was restarted on October 10, 2019. Based on the total petroleum hydrocarbons quantified as diesel (TPHd) results for influent water samples and total groundwater extracted, an estimated 9,960 pounds of TPHd have been removed since April 1996 (Table 2C).

3.2 Soil Vapor Extraction Systems

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

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

The total mass of VOCs removed via the carbon and the thermal oxidizer extraction systems during this period was approximately 3,138 pounds (360 pounds via the carbon VES and 2,778 pounds via the thermal oxidizer VES). An estimated 2,988,715 pounds have been removed since April 1996 (Table 3C) via the carbon VES and approximately 372,236 pounds removed via the temporary and permanent thermal oxidizer VESs since January 2018 (Table 5C). Note that the total estimated mass of VOCs removed via SVE does not account for any mass removed *in-situ* via biodegradation.

3.3 Biosparge System

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

RW-48, RW-49, and RW-50 were brought online on September 20, 2019. Additional eastern area wells RW-1, RW-3, RW-12, and RW-13 were brought online on November 15, 2019; and RW-2, RW-7, RW-8, RW-6, RW-15, RW-16, and RW-17 were brought online on April 16, 2020. Additional central area wells TFB-7, TFB-9, TFB-10, TFB-11, TFB-12, TFB-13, TFB-14, TFB-1, TFB-2, TFB-4, TFB-5, TFB-6, and TFB-8 were brought online on November 18, 2019.

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

Well installation and system expansion work completed during the First Quarter 2023 will be discussed in a separate submittal.

3.4 LNAPL Gauging and Removal

During the reporting period, DTW and DTP were measured in Hollifield Park wells GMW-62, GMW-68, and on-site wells TFR-22, TFR-24, TFR-29 and RTF-18-E (Tables 7A, 7B, 7N, 7O, 7P and 7R).

A total of approximately 7 gallons (46 pounds) of LNAPL was removed from the Site during this quarter, and an estimated 10,527 gallons (71,121 pounds) of LNAPL has been removed since January 2014.

3.4.1 LNAPL Removal Via Bailing, Skimming and Absorbent Socks

Approximately 3 gallons (19 pounds) of LNAPL was removed via manual bailing, active pumping using a portable product skimmer and/or by utilizing absorbent socks from wells GMW-62, GMW-68, TFR-24 and RTF-18-E during this reporting period (Tables 7A, 7B, 7O and 7R).

3.4.2 LNAPL Removal Via Product Recovery System

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

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

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

4.0 REMEDIATION SYSTEMS EVALUATION AND OPTIMIZATION

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

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

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

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

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

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

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

Biosparging operations will resume pending installation and connection of the new, higher capacity compressor. Upon restart, trunkline configuration and run time schedule will be evaluated and adjusted as needed. Biosparge operations will continue to be optimized to enhance volatilization and biodegradation in impacted areas and will expand to target areas where the LNAPL plume has receded. Periodic collection of pressure response and field parameters data from monitoring wells

within the treatment zone will be used to optimize operations and confirm the biosparging zone of influence.

5.0 PLANNED SECOND QUARTER 2023 ACTIVITIES

During the next reporting period, DLA plans to continue to focus in-situ remedial efforts on the central area, eastern area, and southern area of the Site. Following is a summary of planned Second Quarter 2023 OM&M activities:

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

- Evaluate biosparge trunkline cycling configuration and make adjustments as needed to optimize air delivery to treatment wells located in previously identified “hot-spot” areas.
- Periodically measure pressure in nearby monitoring wells during biosparging operations to verify influence.

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

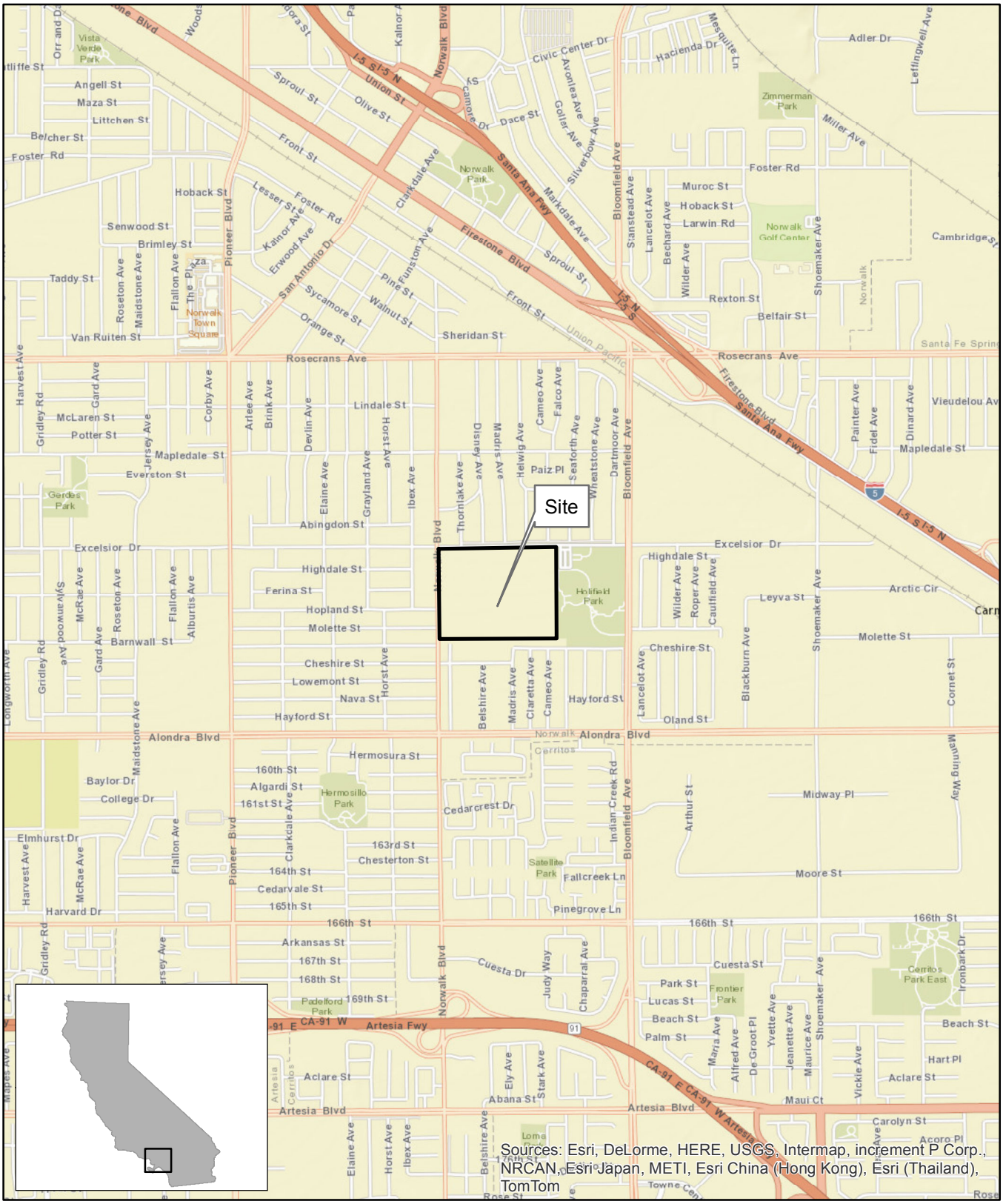
6.0 LIMITATIONS

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

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

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

FIGURES



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

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(562) 597-1055

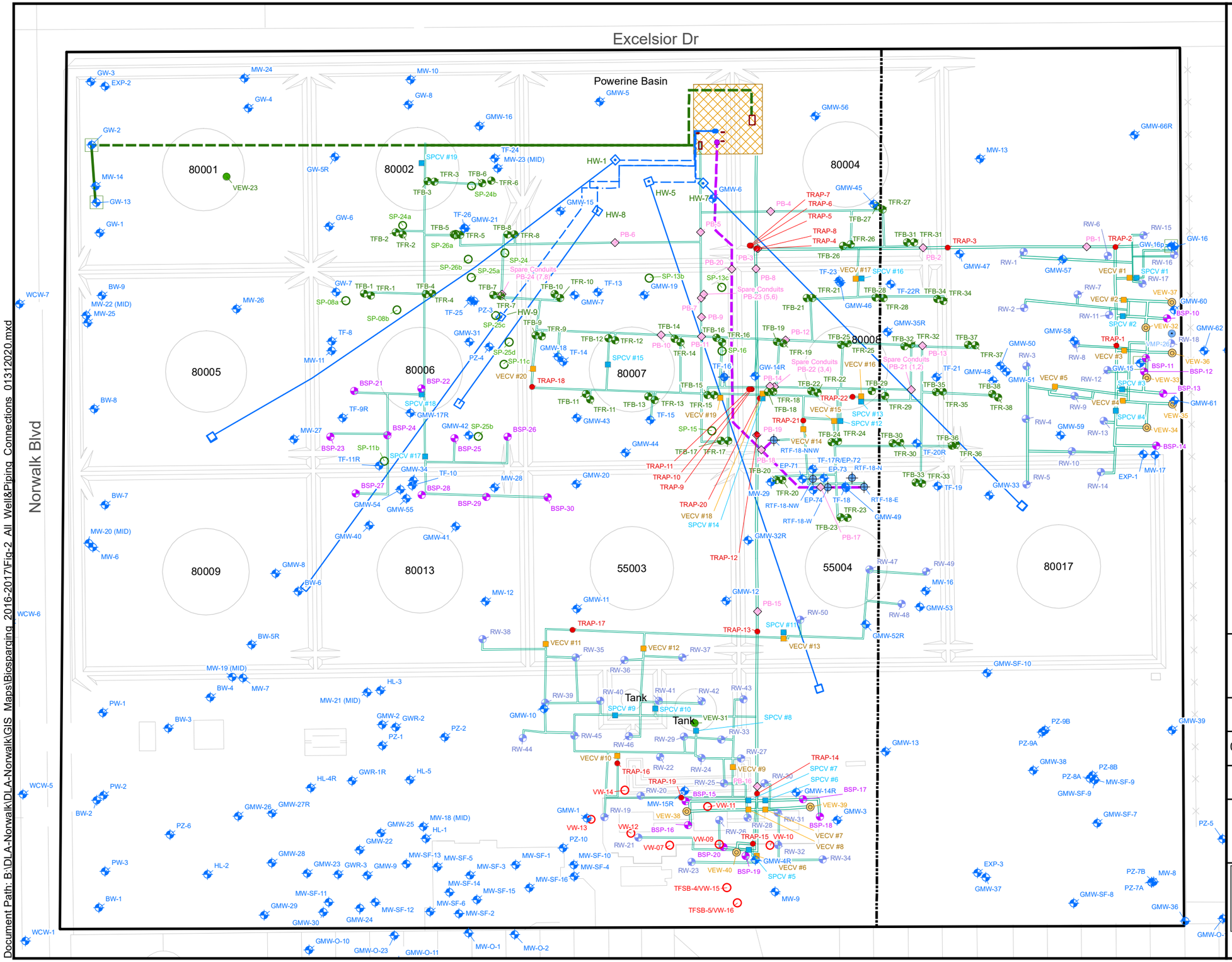
DEFENSE FUEL SUPPORT POINT NORWALK

15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

SITE LOCATION MAP

FIGURE **1**

Document Name: Fig-1_Norwalk_Site_Location_Map



Legend

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

N

DFSP Norwalk
15306 Norwalk Boulevard
Norwalk, California

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

0 70 140 280 Feet

Site Map Showing All Well and Piping Locations

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1962 Freeman Avenue Signal Hill, CA 90755
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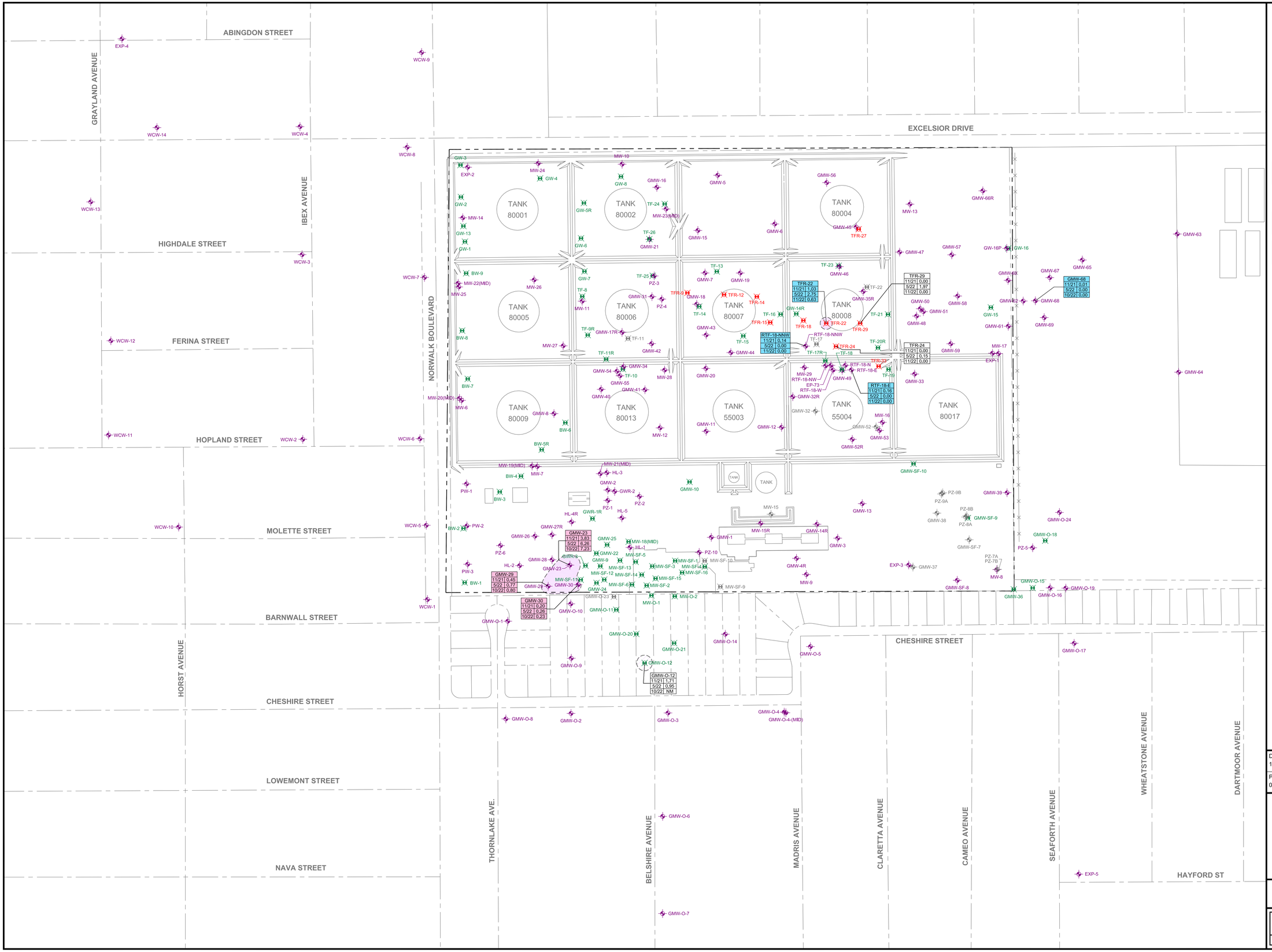
Figure 2



EXPLANATION:

- FORMER ABOVEGROUND STORAGE TANKS
- DFSP NORWALK BORDER
- WCW-14 — GROUNDWATER MONITORING WELL
- TFR-33 — TOTAL FLUIDS RECOVERY WELL
- GMW-14 — WELLS SHOWN IN GREY HAVE BEEN DECOMMISSIONED
- TF-26 — EXTRACTION WELL USED FOR VAPOR, GROUNDWATER, TOTAL FLUIDS, OR FLOATING PRODUCT EXTRACTION
- GMW-O-12 (11/21 1,71; 5/22 0,95; 10/31 NM) — MEASURED PRODUCT THICKNESS IN FEET FOR THE THREE MOST RECENT SEMIANNUAL EVENTS; WHERE THE DATABOX IS SHOWN IN WHITE, THE MEASURED THICKNESS HAS REMAINED SIMILAR (CHANGE IS LESS THAN 10%) AT THAT LOCATION SINCE THE FALL 2021 SEMIANNUAL MONITORING EVENT, OR THE DATASET SHOWN DOES NOT PROVIDE A BASIS FOR COMPARISON
- GMW-23 (11/21 3,83; 5/22 6,26; 10/22 7,23) — WHERE THE DATABOX IS SHOWN IN RED, THE MEASURED PRODUCT THICKNESS HAS INCREASED BY 10% OR MORE AT THAT LOCATION SINCE THE FALL 2021 SEMIANNUAL MONITORING EVENT
- TFR-22 (11/21 1,03; 5/22 2,75; 11/22 0,63) — WHERE THE DATABOX IS SHOWN IN BLUE, THE MEASURED PRODUCT THICKNESS HAS DECREASED BY 10% OR MORE AT THAT LOCATION SINCE THE FALL 2021 SEMIANNUAL MONITORING EVENT
- NM — NOT MEASURED
- ESTIMATED EXTENT OF MEASURABLE LIGHT NONAQUEOUS PHASE LIQUID (LNAPL, FLOATING PRODUCT) ON GROUNDWATER
- MONITORING WELL GMW-O-12 WAS INACCESSIBLE AND COULD NOT BE GAUGED; THE PRESENCE OF FLOATING PRODUCT IS INFERRED BASED UPON HISTORICAL DATA

SURVEY NOTES:

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

0 120 240
APPROXIMATE SCALE IN FEET

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

DISTRIBUTION OF FLOATING PRODUCT ON GROUNDWATER SECOND SEMIANNUAL 2022 MONITORING EVENT

DFSP NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

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FIGURE 3

TABLES

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

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

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

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

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

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

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

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

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

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

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

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

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

TABLE 2A

Groundwater Extraction and Treatment System Operations Summary - January

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	GW-14R Totalizer Reading (gallons)	GMW-31 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from Eastern Area (gallons)	Groundwater Extracted from Central Area (gallons)	Discharge Totalizer Reading (gallons)	Groundwater Extracted and Treated (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed [A] (lb)
1/1/23	Off line		--	--	--	--	--	--	--	--	9,958.09
1/2/23	Off line		--	--	--	--	--	--	--	--	9,958.09
1/3/23	Off line		--	--	--	--	--	--	--	--	9,958.09
1/4/23	Technician	1, 2	1,272,579	711,435	1,887,516	1,887,516	1,984,014	3,983,264	320	--	9,958.09
1/5/23	*		--	--	--	--	--	--	--	--	9,958.15
1/6/23	*		--	--	--	--	--	--	--	--	9,958.21
1/7/23	*		--	--	--	--	--	--	--	--	9,958.27
1/8/23	*		--	--	--	--	--	--	--	--	9,958.32
1/9/23	Technician		1,283,333	718,702	1,899,414	1,899,414	2,002,035	4,011,639	28,375	--	9,958.38
1/10/23	*		--	--	--	--	--	--	--	--	9,958.42
1/11/23	*		--	--	--	--	--	--	--	--	9,958.46
1/12/23	*		--	--	--	--	--	--	--	--	9,958.51
1/13/23	*		--	--	--	--	--	--	--	--	9,958.55
1/14/23	*		--	--	--	--	--	--	--	--	9,958.59
1/15/23	*		--	--	--	--	--	--	--	--	9,958.64
1/16/23	*		--	--	--	--	--	--	--	--	9,958.68
1/17/23	*		--	--	--	--	--	--	--	--	9,958.72
1/18/23	*		--	--	--	--	--	--	--	--	9,958.77
1/19/23	*		--	--	--	--	--	--	--	--	9,958.81
1/20/23	Technician		1,306,776	729,029	1,911,426	1,911,426	2,035,805	4,058,769	47,130	--	9,958.85
1/21/23	*		--	--	--	--	--	--	--	--	9,958.90
1/22/23	*		--	--	--	--	--	--	--	--	9,958.96
1/23/23	Technician	3	1,318,170	732,693	1,911,426	1,911,426	2,050,863	4,074,679	15,910	610	9,958.98
1/24/23	Technician		1,322,003	733,868	1,913,520	1,913,520	2,055,871	4,081,493	6,814	--	9,959.02
1/25/23	*		--	--	--	--	--	--	--	--	9,959.05
1/26/23	*		--	--	--	--	--	--	--	--	9,959.09
1/27/23	*		--	--	--	--	--	--	--	--	9,959.12
1/28/23	*		--	--	--	--	--	--	--	--	9,959.16
1/29/23	*		--	--	--	--	--	--	--	--	9,959.19
1/30/23	*		--	--	--	--	--	--	--	--	9,959.23
1/31/23	Technician		1,348,835	742,095	1,928,173	1,928,173	2,090,930	4,129,189	47,696	--	9,959.26

Cumulative Groundwater Discharged by the GWETS to Date (gallons)							
Period	January	Quarter 1, 2023	Quarter 2, 2023	Quarter 3, 2023	Quarter 4, 2023	2023 to Date	April 1996 to Date
Volume	146,142	146,142	--	--	--	146,142	82,541,896

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	January	Quarter 1 to Date	April 1996 to Date
Mass	1.17	1.17	9,959.3

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

Legend / Notes:

1 = LGAC-2 placed in standby position, LGAC-3 added to treatment process.

2 = GWETS restarted.

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

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

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

GWETS = Groundwater extraction and treatment system

µg/L - Micrograms per liter

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

-- = Not applicable

lb = Pounds

DRO = Diesel range organics

TABLE 2B

Groundwater Extraction and Treatment System Operations Summary - February

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	GW-14R Totalizer Reading (gallons)	GMW-31 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from Eastern Area (gallons)	Groundwater Extracted from Central Area (gallons)	Discharge Totalizer Reading (gallons)	Groundwater Extracted and Treated (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed [A] (lb)
2/1/23	*		--	--	--	--	--	--	--	--	9,959.26
2/2/23	*		--	--	--	--	--	--	--	--	9,959.27
2/3/23	*		--	--	--	--	--	--	--	--	9,959.27
2/4/23	*		--	--	--	--	--	--	--	--	9,959.27
2/5/23	*		--	--	--	--	--	--	--	--	9,959.28
2/6/23	*		--	--	--	--	--	--	--	--	9,959.28
2/7/23	*		--	--	--	--	--	--	--	--	9,959.28
2/8/23	*		--	--	--	--	--	--	--	--	9,959.28
2/9/23	*		--	--	--	--	--	--	--	--	9,959.29
2/10/23	Technician	1	1,352,227	743,120	1,930,432	1,930,432	2,095,347	4,135,509	6,320	--	9,959.29
2/11/23	*		--	--	--	--	--	--	--	--	9,959.35
2/12/23	*		--	--	--	--	--	--	--	--	9,959.40
2/13/23	*		--	--	--	--	--	--	--	--	9,959.46
2/14/23	*		--	--	--	--	--	--	--	--	9,959.51
2/15/23	Technician	2	1,371,424	748,883	1,930,432	1,930,432	2,120,307	4,190,409	54,900	730	9,959.58
2/16/23	*		--	--	--	--	--	--	--	--	9,959.58
2/17/23	*		--	--	--	--	--	--	--	--	9,959.59
2/18/23	*		--	--	--	--	--	--	--	--	9,959.59
2/19/23	*		--	--	--	--	--	--	--	--	9,959.59
2/20/23	*		--	--	--	--	--	--	--	--	9,959.59
2/21/23	*		--	--	--	--	--	--	--	--	9,959.59
2/22/23	Technician		1,395,813	756,415	1,930,432	1,930,432	2,152,228	4,192,514	2,105	--	9,959.60
2/23/23	*		--	--	--	--	--	--	--	--	9,959.62
2/24/23	*		--	--	--	--	--	--	--	--	9,959.64
2/25/23	*		--	--	--	--	--	--	--	--	9,959.67
2/26/23	*		--	--	--	--	--	--	--	--	9,959.69
2/27/23	*		--	--	--	--	--	--	--	--	9,959.72
2/28/23	*		--	--	--	--	--	--	--	--	9,959.74

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	February	Quarter 1, 2023	Quarter 2, 2023	Quarter 3, 2023	Quarter 4, 2023	2023 to Date	April 1996 to Date
Volume	86,870	233,012	--	--	--	233,012	82,628,766

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	February	Quarter 1 to Date	April 1996 to Date
Mass	0.48	1.65	9,959.7

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

Legend / Notes:

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

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

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

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

GWETS = Groundwater extraction and treatment system

µg/L - Micrograms per liter

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

-- = Not applicable

lb = Pounds

DRO = Diesel range organics

TABLE 2C

Groundwater Extraction and Treatment System Operations Summary - March

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	GW-14R Totalizer Reading (gallons)	GMW-31 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from Eastern Area (gallons)	Groundwater Extracted from Central Area (gallons)	Discharge Totalizer Reading (gallons)	Groundwater Extracted and Treated (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed [A] (lb)
3/1/23	*		--	--	--	--	--	--	--	--	9,959.76
3/2/23	Technician		1,417,140	763,314	1,930,432	1,930,432	2,180,454	4,224,479	31,965	--	9,959.79
3/3/23	*		--	--	--	--	--	--	--	--	9,959.82
3/4/23	*		--	--	--	--	--	--	--	--	9,959.84
3/5/23	*		--	--	--	--	--	--	--	--	9,959.87
3/6/23	*		--	--	--	--	--	--	--	--	9,959.89
3/7/23	*		--	--	--	--	--	--	--	--	9,959.92
3/8/23	*		--	--	--	--	--	--	--	--	9,959.94
3/9/23	*		--	--	--	--	--	--	--	--	9,959.97
3/10/23	Technician		1,436,202	769,522	1,930,432	1,930,432	2,205,724	4,257,504	33,025	--	9,959.99
3/11/23	*		--	--	--	--	--	--	--	--	9,960.01
3/12/23	*		--	--	--	--	--	--	--	--	9,960.03
3/13/23	Technician	1	1,443,302	771,770	1,930,439	1,930,439	2,215,072	4,267,705	10,201	--	9,960.05
3/14/23	*		--	--	--	--	--	--	--	--	9,960.08
3/15/23	*		--	--	--	--	--	--	--	--	9,960.10
3/16/23	*		--	--	--	--	--	--	--	--	9,960.12
3/17/23	Technician		1,452,768	774,767	1,930,448	1,930,448	2,227,535	4,281,307	13,602	--	9,960.14
3/18/23	*		--	--	--	--	--	--	--	--	9,960.16
3/19/23	*		--	--	--	--	--	--	--	--	9,960.18
3/20/23	*		--	--	--	--	--	--	--	--	9,960.20
3/21/23	*		--	--	--	--	--	--	--	--	9,960.22
3/22/23	Technician	2, 3	1,464,600	778,514	1,933,240	1,933,240	2,243,114	4,298,309	17,002	380	9,960.23
3/23/23	*		--	--	--	--	--	--	--	--	9,960.25
3/24/23	*		--	--	--	--	--	--	--	--	9,960.27
3/25/23	*		--	--	--	--	--	--	--	--	9,960.29
3/26/23	*		--	--	--	--	--	--	--	--	9,960.31
3/27/23	*		--	--	--	--	--	--	--	--	9,960.33
3/28/23	*		--	--	--	--	--	--	--	--	9,960.35
3/29/23	Technician	2	1,488,241	785,910	1,951,250	1,951,250	2,274,151	4,345,463	47,154	--	9,960.38
3/30/23	*		--	--	--	--	--	--	--	--	9,960.40
3/31/23	Technician		1,494,939	788,008	1,956,085	1,956,085	2,282,947	4,357,749	12,286	--	9,960.42

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	March	Quarter 1, 2023	Quarter 2, 2023	Quarter 3, 2023	Quarter 4, 2023	2023 to Date	April 1996 to Date
Volume	141,690	374,702	--	--	--	374,702	82,770,456

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	March	Quarter 1 to Date	April 1996 to Date
Mass	0.68	2.33	9,960.4

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

Legend / Notes:

1 = LGAC-1 placed in standby position, LGAC-2 added to treatment process.

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

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

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

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

GWETS = Groundwater extraction and treatment system

µg/L - Micrograms per liter

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

-- = Not applicable

lb = Pounds

DRO = Diesel range organics

TABLE 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)
01/01/23	*		80,088	557	--	--	--	--	--	2,988,372
01/02/23	*		80,112	557	--	--	--	--	--	2,988,378
01/03/23	*		80,137	557	--	--	--	--	--	2,988,383
01/04/23	*		80,161	557	--	--	--	--	--	2,988,389
01/05/23	*		80,186	557	--	--	--	--	--	2,988,395
01/06/23	Technician		80,210	576	5.7	116.0	--	69.5	0.0	2,988,400
01/07/23	*		80,234	576	--	--	--	--	--	2,988,406
01/08/23	*		80,258	576	--	--	--	--	--	2,988,412
01/09/23	*		80,283	576	--	--	--	--	--	2,988,418
01/10/23	*		80,307	576	--	--	--	--	--	2,988,423
01/11/23	*		80,331	576	--	--	--	--	--	2,988,429
01/12/23	*		80,355	576	--	--	--	--	--	2,988,435
01/13/23	Technician		80,379	563	--	112.0	--	223.4	0.0	2,988,440
01/14/23	*		80,391	563	--	--	--	--	--	2,988,443
01/15/23	*		80,403	563	--	--	--	--	--	2,988,446
01/16/23	*		80,415	563	--	--	--	--	--	2,988,449
01/17/23	*		80,427	563	--	--	--	--	--	2,988,451
01/18/23	*		80,438	563	--	--	--	--	--	2,988,454
01/19/23	*		80,450	563	--	--	--	--	--	2,988,457
01/20/23	Technician	1	80,462	557	5.6	116.0	--	158.0	0.0	2,988,460
01/21/23	*		80,485	557	--	--	--	--	--	2,988,465
01/22/23	*		80,509	557	--	--	--	--	--	2,988,470
01/23/23	*		80,532	557	--	--	--	--	--	2,988,476
01/24/23	*		80,555	557	--	--	--	--	--	2,988,481
01/25/23	*		80,578	557	--	--	--	--	--	2,988,486
01/26/23	Technician	2	80,602	557	--	--	--	--	--	2,988,492
01/27/23	Technician		80,627	573	5.1	120.0	--	304.6	0.0	2,988,498
01/28/23	*		80,650	573	--	--	--	--	--	2,988,503
01/29/23	*		80,674	573	--	--	--	--	--	2,988,509
01/30/23	*		80,698	573	--	--	--	--	--	2,988,514
01/31/23	Technician	3	80,722	549	5.6	113.0	25	392.0	0.0	2,988,520

Cumulative Mass TPHg Removed by the VES [D] (lb)			
Period	January	Quarter 1 to Date	April 1996 to Date
Mass	164	164	2,988,520

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

Legend / Notes:

1 = HW-7 opened.

2 = Carbon change out work completed.

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

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

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

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

-- = Not applicable or not measured

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

VES = Soil vapor extraction system

scfm = Standard cubic feet per minute

in. Hg = Inches of mercury

°F = Degrees Fahrenheit

ppmv = Parts per million by volume

lb = Pounds

A = Reading from chart recorder.

B = Concentrations obtained with a calibrated organic vapor analyzer.

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

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

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TABLE 3B

Carbon Vapor Extraction System Operations Summary - 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)
02/01/23	*		80,748	549	--	--	--	--	--	2,988,524
02/02/23	Technician		80,775	549	--	--	--	--	--	2,988,528
02/03/23	*		80,798	549	--	--	--	--	--	2,988,531
02/04/23	*		80,821	549	--	--	--	--	--	2,988,535
02/05/23	*		80,845	549	--	--	--	--	--	2,988,538
02/06/23	*		80,868	549	--	--	--	--	--	2,988,542
02/07/23	*		80,892	549	--	--	--	--	--	2,988,545
02/08/23	*		80,915	549	--	--	--	--	--	2,988,549
02/09/23	*		80,938	549	--	--	--	--	--	2,988,552
02/10/23	Technician		80,962	550	4.7	120.0	--	289.2	0.0	2,988,556
02/11/23	*		80,986	550	--	--	--	--	--	2,988,559
02/12/23	*		81,010	550	--	--	--	--	--	2,988,563
02/13/23	*		81,035	550	--	--	--	--	--	2,988,567
02/14/23	*		81,059	550		--	--	--	--	2,988,570
02/15/23	*		81,083	550	--	--	--	--	--	2,988,574
02/16/23	*		81,108	550	--	--	--	--	--	2,988,578
02/17/23	Technician		81,132	581	4.8	124.0	--	245.8	0.0	2,988,582
02/18/23	*		81,155	581	--	--	--	--	--	2,988,585
02/19/23	*		81,178	581	--	--	--	--	--	2,988,589
02/20/23	*		81,202	581	--	--	--	--	--	2,988,593
02/21/23	Technician	1, 2	81,225	572	4.9	118.0	13	349.7	0.0	2,988,596
02/22/23	*		81,249	572	--	--	--	--	--	2,988,600
02/23/23	*		81,273	572	--	--	--	--	--	2,988,604
02/24/23	*		81,298	572	--	--	--	--	--	2,988,608
02/25/23	*		81,322	572	--	--	--	--	--	2,988,611
02/26/23	*		81,346	572	--	--	--	--	--	2,988,615
02/27/23	*		81,370	572	--	--	--	--	--	2,988,619
02/28/23	*		81,394	572	--	--	--	--	--	2,988,623

Cumulative Mass TPHg Removed by the VES [A] (lb)			
Period	February	Quarter 1 to Date	April 1996 to Date
Mass	103	268	2,988,623

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

Legend / Notes:

1 = Collected monthly influent, after GAC-1, after GAC-2, and Effluent samples for laboratory analysis.
2 = Collected individual well vapor samples for laboratory analysis from HWs.

-- = Not applicable or not measured
* = Operational values interpolated from chart recorder data or previous monitoring event.
Vapor extraction wells on line this month: HW-1, HW-9, HW-5, HW-7, Trunkline #2

VES = Soil vapor extraction system
scfm = Standard cubic feet per minute
in. Hg = Inches of mercury
°F = Degrees Fahrenheit
ppmv = Parts per million by volume
lb = Pounds
A = Reading from chart recorder.
B = Concentrations obtained with a calibrated organic vapor analyzer.
C = Concentrations correlated to laboratory data and expressed as hexane.
D = Hydrocarbon removal is calculated using analytical laboratory results for GRO (if not detected, half the detection limit is used).

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TABLE 3C

Carbon Vapor Extraction System Operations Summary - 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)
03/01/23	*		81,419	572	--	--	--	--	--	2,988,647
03/02/23	Technician		81,443	560	--	118.0	--	224.0	0.0	2,988,650
03/03/23	*		81,467	560	--	--	--	--	--	2,988,653
03/04/23	*		81,491	560	--	--	--	--	--	2,988,656
03/05/23	*		81,514	560	--	--	--	--	--	2,988,659
03/06/23	*		81,538	560	--	--	--	--	--	2,988,661
03/07/23	*		81,562	560	--	--	--	--	--	2,988,664
03/08/23	*		81,586	560	--	--	--	--	--	2,988,667
03/09/23	Technician		81,610	563	5.1	120.0	--	172.0	0.0	2,988,670
03/10/23	*		81,634	563	--	--	--	--	--	2,988,673
03/11/23	*		81,659	563	--	--	--	--	--	2,988,676
03/12/23	*		81,684	563	--	--	--	--	--	2,988,679
03/13/23	Technician	1	81,708	562	5.3	122.0	11	201.2	0.0	2,988,682
03/14/23	*		81,732	562	--	--	--	--	--	2,988,685
03/15/23	*		81,755	562	--	--	--	--	--	2,988,688
03/16/23	*		81,779	562	--	--	--	--	--	2,988,691
03/17/23	*		81,803	562	--	--	--	--	--	2,988,694
03/18/23	*		81,826	562	--	--	--	--	--	2,988,697
03/19/23	*		81,850	562	--	--	--	--	--	2,988,699
03/20/23	*		81,874	562	--	--	--	--	--	2,988,702
03/21/23	*		81,897	562	--	--	--	--	--	2,988,705
03/22/23	*		81,921	562	--	--	--	--	--	2,988,708
03/23/23	Technician	2	81,945	443	5.0	110.0	--	179.6	0.0	2,988,710
03/24/23	Offline		81,945	0	--	--	--	--	--	2,988,710
03/25/23	Offline		81,945	0	--	--	--	--	--	2,988,710
03/26/23	Offline		81,945	0	--	--	--	--	--	2,988,710
03/27/23	Offline		81,945	0	--	--	--	--	--	2,988,710
03/28/23	Offline		81,945	0	--	--	--	--	--	2,988,710
03/29/23	Technician	3	81,948	443	--	--	--	--	--	2,988,711
03/30/23	Technician		81,972	437	5.0	105.0	--	176.0	0.0	2,988,713
03/31/23	*		81,996	437	--	--	--	--	--	2,988,715

Cumulative Mass TPHg Removed by the VES [A] (lb)			
Period	March	Quarter 1 to Date	April 1996 to Date
Mass	93	360	2,988,715

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

Legend / Notes :

1 = Collected monthly influent, after GAC-1, after GAC-2, and Effluent samples for laboratory analysis.
2 = VES manually shut down for maintenance.
3 = VES restarted following maintenance and repair work.

-- = Not applicable or not measured
* = Operational values interpolated from chart recorder data or previous monitoring event.
Vapor extraction wells on line this month: HW-1, HW-9, HW-5, HW-7, Trunkline #2

VES = Soil vapor extraction system
scfm = Standard cubic feet per minute
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)

in. Hg = Inches of mercury
°F = Degrees Fahrenheit

ppmv = Parts per million by volume
lb = Pounds

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TABLE 4
Historical Summary of Analytical Vapor Sampling Results - Influent Carbon VES
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Sample Date	Notes	Vapor Extraction System Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		VOCs as Hexane[A]		Benzene		Toluene		Ethylbenzene		o-Xylene		m,p-Xylenes		Total Xylenes		MTBE	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
04/29/11		--	TO-3 & 8260B	--	--	--	**17**	**60**	**0.021**	**0.067**	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
05/27/11		--	TO-3 & 8260B	--	--	--	**13**	**46**	**0.021**	**0.067**	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
06/30/11		--	TO-3 & 8260B	--	--	--	**11**	**39**	**0.018**	**0.057**	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
07/27/11		--	TO-3 & 8260B	--	--	--	**8.6**	**31**	**0.013**	**0.042**	<0.0050	<0.019	**0.012**	**0.052**	--	--	--	--	**0.013**	**0.056**	<0.010	<0.036
08/26/11		--	TO-3 & 8260B	--	--	--	**7.8**	**28**	**0.012**	**0.038**	<0.0050	<0.019	**0.020**	**0.087**	--	--	--	--	**0.0264**	**0.115**	<0.010	<0.036
09/30/11		--	TO-3 & 8260B	--	--	--	**6.9**	**25**	**0.012**	**0.038**	<0.0050	<0.019	**0.011**	**0.048**	--	--	--	--	**0.011**	**0.048**	<0.010	<0.036
10/28/11		--	TO-3 & 8260B	--	--	--	**5.4**	**19**	**0.011**	**0.035**	<0.0050	<0.019	**0.015**	**0.065**	--	--	--	--	**0.028**	**0.12**	<0.010	<0.036
11/30/11		--	TO-3 & 8260B	--	--	--	**8.5**	**30**	**0.012**	**0.038**	<0.0050	<0.019	**0.0067**	**0.029**	--	--	--	--	**0.010**	**0.043**	<0.010	<0.036
12/28/11		--	TO-3 & 8260B	--	--	--	**8.6**	**31**	**0.024**	**0.077**	**0.0075**	**0.028**	**0.0096**	**0.042**	--	--	--	--	**0.022**	**0.095**	<0.010	<0.036
01/26/12		--	TO-3 & 8260B	--	--	--	**3.7**	**13**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
02/24/12		--	TO-3 & 8260B	--	--	--	**4.6**	**16**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
03/28/12		--	TO-3 & 8260B	--	--	--	**4.1**	**15**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
04/27/12		--	TO-3 & 8260B	--	--	--	**3.6**	**13**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
05/31/12		--	TO-3 & 8260B	--	--	--	**6.5**	**23**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
06/28/12		--	TO-3 & 8260B	--	--	--	**5.3**	**19**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
07/26/12		--	TO-3 & 8260B	4.1	--	--	**4.1**	**15**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
08/31/12		--	TO-3 & 8260B	1.5	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
09/27/12		--	TO-3 & 8260B	1.5	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
10/30/12		--	TO-3 & 8260B	1.5	--	--	**6.1**	**22**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
11/26/12		--	TO-3 & 8260B	4.2	--	--	**4.2**	**15**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
12/19/12		--	TO-3 & 8260B	3.2	--	--	**3.2**	**11**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
01/31/13		--	TO-3 & 8260B	4.6	--	--	**4.6**	**16**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/27/13		--	TO-3 & 8260B	4.5	--	--	**4.5**	**16**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
03/28/13		--	TO-3 & 8260B	6.7	--	--	**6.7**	**24**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
04/22/13		--	TO-3 & 8260B	5.4	--	--	**5.4**	**19**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
07/29/13		--	TO-3 & 8260B	1.5	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
08/12/13		--	TO-3 & 8260B	--	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
10/30/13		--	TO-3 & 8260B	3.0	--	--	**3.0**	**11**	**0.014**	**0.045**	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
11/27/13		--	TO-3 & 8260B	1.5	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	**0.015**	**0.065**	<0.010	<0.036
12/19/13		--	TO-3 & 8260B	1.5	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
03/21/14		--	TO-3 & 8260B	1.5	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	<0.0050	<0.022	<0.010	<0.043	<0.015	<0.065	<0.010	<0.036
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

TABLE 4
Historical Summary of Analytical Vapor Sampling Results - Influent Carbon VES
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Sample Date	Notes	Vapor Extraction System Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		VOCs as Hexane[A]		Benzene		Toluene		Ethylbenzene		o-Xylene		m,p-Xylenes		Total Xylenes		MTBE	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
07/09/14	2	VEW-32, VEW-33, VEW-34, VEW-35, VEW-36 VEW-37, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	24	**6.1**	**25**	**7.0**	**25**	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
08/13/14		VEW-32, VEW-33, VEW-34, VEW-35, VEW-36 VEW-37, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	27	**7.3**	**30**	**8.4**	**30**	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
09/17/14	3	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	5.6	<4.9	<20	<5.6	<20	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
10/23/14	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	1.2	<4.9	<20	<5.6	<20	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
11/17/14	5	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	1.3	<4.9	<20	<5.6	<20	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
12/17/14		VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	0.5	<4.9	<20	<5.6	<20	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
01/14/15		VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	1.5	<4.9	<20	<5.6	<20	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
02/20/15		VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	1.5	<4.9	<20	<5.6	<20	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
03/27/15		VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	3.4	<4.9	<20	<5.6	<20	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
04/27/15	6	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	132	**140**	**580**	**160**	**580**	**0.63**	**2.0**	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	**0.23**	**1.0**	**0.23**	**1.0**	<0.6	<2.0
05/29/15	6,7	--	8015M & 8260M	103	**83**	**340**	**97**	**340**	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
06/03/15	6,8	VEW-32, VEW-33, VEW-34	8015M & 8260M	47	**32**	**130**	**37**	**130**	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
07/09/15	6	VEW-32, VEW-33, VEW-34	8015M & 8260M	162	**150**	**600**	**170**	**600**	<0.16	<0.50	**0.15**	**0.58**	<0.12	<0.50	**0.67**	**2.9**	**0.71**	**3.1**	**1.38**	**6.0**	<0.55	<2.0
07/15/15	6,9	VEW-32, VEW-33, VEW-34	8015M & 8260M	147	**170**	**700**	**200**	**700**	<0.16	<0.50	**0.53**	**2.0**	**0.18**	**0.78**	**0.99**	**4.3**	**1.5**	**6.3**	**2.49**	**10.6**	<0.55	<2.0
07/21/15	6,9	VEW-32, VEW-33, VEW-34	8015M & 8260M	259	**160**	**640**	**180**	**640**	<0.16	<0.50	**0.25**	**0.94**	<0.12	<0.50	**0.71**	**3.1**	**0.62**	**2.7**	**1.33**	**5.8**	<0.55	<2.0
07/29/15	6,9	VEW-32, VEW-33, VEW-34	8015M & 8260M	129	**170**	**710**	**200**	**710**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	**0.32**	**1.4**	**0.25**	**1.1**	**0.57**	**2.5**	<0.55	<2.0
08/17/15	6,10	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5	8015M & 8260M	135	**130**	**550**	**160**	**550**	**0.75**	**2.4**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	**0.28**	**1.2**	**0.28**	**1.2**	<0.55	<2.0
09/09/15	6,11	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	202	**190**	**760**	**220**	**760**	**0.30**	**0.95**	**0.74**	**2.8**	**0.76**	**3.3**	**0.69**	**3.0**	**2.5**	**11**	**3.19**	**14**	<0.55	<2.0
09/22/15	6,9	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	225	**150**	**600**	**170**	**600**	**0.27**	**0.85**	**0.37**	**1.4**	<0.12	<0.50	**0.71**	**3.1**	**0.58**	**2.5**	**1.29**	**5.6**	<0.55	<2.0
09/25/15	6,9	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	258	**220**	**890**	**250**	**890**	**0.41**	**1.3**	**0.64**	**2.4**	**0.17**	**0.75**	**0.74**	**3.2**	**0.85**	**3.7**	**1.59**	**6.9**	<0.55	<2.0
10/07/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	256	**230**	**940**	**270**	**940**	**0.69**	**2.2**	**0.82**	**3.1**	**0.22**	**0.97**	**0.41**	**1.8**	**1.1**	**4.6**	**1.51**	**6.4**	<0.55	<2.0
11/04/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	380	**290**	**1,200**	**340**	**1,200**	**0.88**	**2.8**	**1.6**	**5.9**	**0.25**	**1.1**	**1.4**	**6.2**	**2.1**	**9.0**	**3.5**	**15**	<0.55	<2.0
12/07/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	346	**320**	**1,300**	**370**	**1,300**	**0.69**	**2.2**	**1.9**	**7.0**	**0.15**	**0.64**	**0.76**	**3.3**	**0.94**	**4.1**	**1.7**	**7.4**	<0.55	<2.0
01/13/16	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	141	**110**	**470**	**130**	**470**	**0.16**	**0.52**	**0.29**	**1.1**	<0.12	<0.50	**0.22**	**0.95**	**0.30**	**1.3**	**0.52**	**2.3**	<0.55	<2.0
02/10/16	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	124	**98**	**400**	**110**	**400**	**0.59**	**1.9**	**0.66**	**2.5**	**0.23**	**1.0**	**0.39**	**1.7**	**0.6**	**2.6**	**0.99**	**4.3**	<0.55	<2.0
03/02/16	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	92	**54**	**220**	**63**	**220**	<0.16	<0.50	**0.25**	**0.93**	<0.12	<0.50	**0.14**	**0.62**	<0.23	<1.0	**0.14**	**0.62**	<0.55	<2.0
04/06/16	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	124	**120**	**490**	**140**	**490**	**0.38**	**1.2**	**0.29**	**1.1**	<0.12	<0.50	**0.17**	**0.72**	<0.23	<1.0	**0.17**	**0.72**	<0.55	<2.0
05/04/16	6,7	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	107	**100**	**410**	**120**	**410**	**0.31**	**1.0**	**0.20**	**0.77**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
06/06/16	6,12	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	73	**59**	**240**	**68**	**240**	**0.59**	**1.9**	**0.50**	**1.9**	<0.12	<0.50	**0.41**	**1.8**	**0.51**	**2.2**	**0.92**	**4.0**	<0.55	<2.0
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

TABLE 4
Historical Summary of Analytical Vapor Sampling Results - Influent Carbon VES
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Sample Date	Notes	Vapor Extraction System Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		VOCs as Hexane[A]		Benzene		Toluene		Ethylbenzene		o-Xylene		m,p-Xylenes		Total Xylenes		MTBE	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
12/05/16	6,13	HW-1, HW-3, HW-5, HW-7	8015M & 8260M	96	**86**	**350**	**100**	**350**	**0.31**	**1.0**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
01/09/17	6,13	HW-1, HW-3, HW-5, HW-7	8015M & 8260M	86	**68**	**280**	**80**	**280**	**0.63**	**2.0**	**0.24**	**0.89**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
02/06/17	6,13	HW-1, HW-3, HW-5, HW-7	8015M & 8260M	93	**66**	**270**	**77**	**270**	**0.44**	**1.4**	**0.19**	**0.72**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
03/15/17	6,13	HW-1, HW-3, HW-5, HW-7	8015M & 8260M	96	**76**	**310**	**88**	**310**	**0.53**	**1.7**	**0.24**	**0.9**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
03/27/17	15,16	HW-1, HW-3, HW-5, HW-7	8015M & 8260M	193	**150**	**600**	**170**	**600**	**0.91**	**2.9**	**0.42**	**1.6**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
04/17/17	15	HW-1, HW-3, HW-5, HW-7	8015M & 8260M	138	**150**	**610**	**170**	**610**	**1.1**	**3.5**	**0.53**	**2.0**	<0.12	<0.50	<0.12	<0.50	**0.23**	**1.0**	**0.23**	**1.0**	<0.55	<2.0
05/03/17	15	HW-1, HW-3, HW-5, HW-7	8015M & 8260M	141	**120**	**510**	**140**	**510**	**0.69**	**2.2**	**0.58**	**2.2**	**0.12**	**0.51**	<0.12	<0.50	**0.35**	**1.5**	**0.35**	**1.5**	<0.55	<2.0
06/05/17	15	HW-1, HW-3, HW-5	8015M & 8260M	136	**110**	**430**	**120**	**430**	**0.81**	**2.6**	**0.40**	**1.5**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
06/27/17	15,17	HW-1, HW-3, HW-5, VEW-38, VEW-39, VEW-40	8015M & 8260M	--	**140**	**560**	**160**	**560**	**0.38**	**1.2**	**0.20**	**0.75**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
07/19/17		HW-5, HW-7 and VEW-39	8015M & 8260M	199	**120**	**500**	**140**	**500**	**0.75**	**2.4**	**0.45**	**1.7**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
08/09/17	18,19	HW-1, HW-5, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	8015M & 8260M	695	**560**	**2,300**	**650**	**2,300**	**0.69**	**2.2**	**0.29**	**1.1**	**0.53**	**2.3**	<0.12	<0.50	**0.44**	**1.9**	**0.44**	**1.9**	<0.55	<2.0
09/07/17	19	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	8015M & 8260M	767	**610**	**2,500**	**710**	**2,500**	**1.2**	**3.9**	**0.48**	**1.8**	**0.46**	**2.0**	<0.12	<0.50	**0.51**	**2.2**	**0.51**	**2.2**	<0.55	<2.0
10/12/17	19,20	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	8015M & 8260M	536	**370**	**1,500**	**430**	**1,500**	**1.0**	**3.2**	**0.32**	**1.2**	**0.41**	**1.8**	**0.20**	**0.88**	**0.83**	**3.6**	**1.0**	**4.5**	<0.55	<2.0
11/02/17	19	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	8015M & 8260M	300	**240**	**970**	**270**	**970**	**0.78**	**2.5**	**0.24**	**0.89**	**0.28**	**1.2**	<0.12	<0.50	**0.51**	**2.2**	**0.51**	**2.2**	<0.55	<2.0
12/11/17	19	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	8015M & 8260M	335	**270**	**1,100**	**300**	**1,100**	**0.85**	**2.7**	**0.27**	**1.0**	**0.21**	**0.9**	<0.12	<0.50	**0.37**	**1.6**	**0.37**	**1.6**	<0.55	<2.0
01/11/18	21	HW-1, HW-5, HW-7	8015M & 8260M	269	**240**	**970**	**270**	**970**	**1.1**	**3.4**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
02/12/18	21	HW-1, HW-5, HW-7	8015M & 8260M	148	**86**	**350**	**88**	**350**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
03/28/18	21	HW-1, HW-5, HW-7	8015M & 8260M	201	**160**	**670**	**170**	**670**	**0.59**	**1.9**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
04/02/18	21	HW-1, HW-5, HW-7	8015M & 8260M	191	**150**	**620**	**160**	**620**	**0.25**	**0.79**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
05/02/18	21	HW-1, HW-5, HW-7	8015M & 8260M	149	**110**	**470**	**150**	**470**	**0.16**	**0.50**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
06/06/18	21	HW-1, HW-5, HW-7	8015M & 8260M	95	**49**	**200**	**50**	**200**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
07/02/18	21	HW-1, HW-5, HW-7	8015M & 8260M	135	**120**	**490**	**120**	**490**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
08/06/18	21	HW-1, HW-5, HW-7	8015M & 8260M	134	**49**	**200**	**48**	**200**	**0.3**	**0.95**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
09/13/18	21	HW-1, HW-5, HW-7	8015M & 8260M	109	**49**	**200**	**50**	**200**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
10/29/18	21	HW-1, HW-5, HW-7	8015M & 8260M	118	**66**	**270**	**59**	**270**	**0.44**	**1.4**	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
11/14/18	21	HW-1, HW-5, HW-7	8015M & 8260M	202	**200**	**800**	**170**	**800**	**1.3**	**4.2**	**0.69**	**2.6**	<0.12	<0.5	<0.12	<0.5	**0.35**	**1.5**	<0.35	<1.5	<0.55	<2.0
12/12/18	21	HW-1, HW-5, HW-7	8015M & 8260M	130	**98**	**400**	**87**	**400**	**0.59**	**1.9**	**0.21**	**0.79**	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
01/28/19	21	HW-1, HW-5, HW-7	8015M & 8260M	228	**220**	**880**	**190**	**880**	**1.3**	**4.0**	**0.27**	**1.0**	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
02/12/19	21	HW-1, HW-5, HW-7	8015M & 8260M	258	**240**	**1,000**	**220**	**1,000**	**1.0**	**3.3**	**0.23**	**0.88**	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
04/03/19	21, 22	HW-1, HW-5, HW-7	8015M & 8260M	394	**73**	**300**	**65**	**300**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
11/25/19	23	HW-1, HW-5, HW-7, HW-8, HW-9	8015M & 8260M	164	**42**	**170**	**38**	**170**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.1	<0.35	<1.6	<0.55	<2.0
12/30/19		HW-1, HW-5, HW-7, HW-8, HW-9	8015M & 8260M	39	**7.1**	**29**	**6.3**	**29**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
01/15/20		HW-1, HW-5, HW-7, HW-8, HW-9	8015M & 8260M	15	**5.4**	**22**	<5.7	**22**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0

TABLE 4
Historical Summary of Analytical Vapor Sampling Results - Influent Carbon VES
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Sample Date	Notes	Vapor Extraction System Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		VOCs as Hexane[A]		Benzene		Toluene		Ethylbenzene		o-Xylene		m,p-Xylenes		Total Xylenes		MTBE	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
02/18/20		HW-1, HW-5, HW-7, HW-8, HW-9	8015M & 8260M	12	<4.9	<20	<5.7	<20	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
02/27/20		HW-1, HW-5, HW-7, HW-8, HW-9	8015 & 8260B	16	<4.9	<20	<5.7	<20	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
03/16/20	24	HW-1, HW-5, HW-7	8015 & 8260B	105	**18.09**	**74**	**16**	**74**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
04/01/20	25	HW-1, HW-5, HW-7, HW-8, HW-9	8015 & 8260B	47	**8.31**	**34**	**7.5**	**34**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
04/15/20		HW-1, HW-5, HW-7, HW-8, HW-9	8015 & 8260B	87	**9.5**	**39**	**8.6**	**39**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
05/15/20		HW-1, HW-5, HW-7, HW-8, HW-9	8015 & 8260B	119	**17**	**68**	**15**	**68**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
06/22/20		HW-1, HW-5, HW-7, HW-8, HW-9	8015 & 8260B	151	**24**	**98**	**21**	**98**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
07/20/20		HW-1, HW-9, HW-7, Trunkline #1, Trunkline #2	8015 & 8260B	572	**98**	**400**	**79**	**400**	**0.19**	**0.6**	**0.16**	**0.59**	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
08/24/20		HW-1, HW-9, HW-7, Trunkline #1, Trunkline #2	8015 & 8260B	797	**93**	**380**	**69**	**380**	**0.17**	**0.53**	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
09/14/20		HW-1, HW-9, HW-7, Trunkline #2	8015 & 8260B	397	**44**	**180**	**33**	**180**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
10/05/20		HW-1, HW-9, HW-7	8015 & 8260B	80	**13**	**54**	**9.8**	**54**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
11/05/20	26	HW-1, HW-9, HW-7, Trunkline #2	8015 & 8260B	392	**34**	**140**	**25**	**140**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
11/30/20		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	398	**29**	**120**	**22**	**120**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
02/24/21		HW-1, HW-9, HW-5, HW-7	8015 & 8260B	38	<4.9	<20	<4.9	<20	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
03/08/21		HW-1, HW-8, HW-9, HW-5, HW-7	8015 & 8260B	53	**6.8**	**28**	**5.1**	**28**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
04/19/21		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	238	**22**	**90**	**16**	**90**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
06/08/21		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	177	**21**	**86**	**16**	**86**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
06/21/21		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	247	**18**	**73**	**13**	**73**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
07/07/21		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	196	**22**	**90**	**16**	**90**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
08/09/21		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	203	**17**	**69**	**13**	**69**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.178	<0.75	<0.28	<1.0
09/20/21		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	155	**16**	**64**	**12**	**64**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.178	<0.75	<0.28	<1.0
10/18/21		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	152	**14**	**56**	**10**	**56**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.178	<0.75	<0.28	<1.0
11/10/21		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	191	**29**	**120**	**21**	**120**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.178	<0.75	<0.28	<1.0
12/06/21		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	315	**46**	**190**	**35**	**190**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.178	<0.75	<0.28	<1.0
01/18/22		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	212	**32**	**130**	**25**	**130**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.178	<0.75	<0.28	<1.0
02/09/22		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	151	**27**	**110**	**19**	**110**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.178	<0.75	<0.28	<1.0
03/09/22		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	327	**29**	**120**	**22**	**120**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.178	<0.75	<0.28	<1.0
04/20/22		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	306	**34**	**140**	**25**	**140**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.178	<0.75	<0.28	<1.0
05/10/22		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	287	**37**	**150**	**27**	**150**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.178	<0.75	<0.28	<1.0
06/16/22		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	306	**23**	**95**	**17**	**95**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.178	<0.75	<0.28	<1.0
07/12/22		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	226	**24**	**100**	**18**	**100**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.178	<0.75	<0.28	<1.0
08/08/22		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	216	**21**	**87**	**16**	**87**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.178	<0.75	<0.28	<1.0
09/20/22		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	229	**27**	**110**	**20**	**110**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.178	<0.75	<0.28	<1.0

TABLE 4
Historical Summary of Analytical Vapor Sampling Results - Influent Carbon VES
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Sample Date	Notes	Vapor Extraction System Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		VOCs as Hexane[A]		Benzene		Toluene		Ethylbenzene		o-Xylene		m,p-Xylenes		Total Xylenes		MTBE	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
11/10/22	27	HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	157	**18**	**74**	**13**	**74**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.178	<0.75	<0.28	<1.0
12/14/22	28	HW-1, HW-9, HW-5, Trunkline #2	8015 & 8260B	48	**6.1**	**25**	**5.5**	**25**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.178	<0.75	<0.28	<1.0
01/31/23		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	392	**27**	**110**	**25**	**110**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.178	<0.75	<0.28	<1.0
02/21/23		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	350	**18**	**73**	**13**	**73**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.178	<0.75	<0.28	<1.0
03/13/23		HW-1, HW-9, HW-5, HW-7, Trunkline #2	8015 & 8260B	201	**14**	**58**	**11**	**58**	**0.09**	**0.28**	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.178	<0.75	<0.28	<1.0

Legend / Notes:

Data collected prior to April 2014 not verified for completeness nor accuracy.
Influent vapor sample inadvertently not collected during August 2016.
VES = Vapor extraction system
ppmv = Parts per million by volume
GRO = Gasoline range organics
µg/L = Micrograms per liter
- Reported concentrations are shown in bold.
MTBE = Methyl tertiary-butyl ether
-- = Not available or not analyzed
OVA = Organic Vapor Analyzer (calibrated or correlated to Hexane)
<0.1 = Not detected at or above the Method Reporting Limit (MRL) shown

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

1 = VES manually shut down on 05/29/14.
2 = VES restarted.
3 = Closed vapor extraction wells VEW-35, VEW-36, and VEW-37 on 08/27/14 based on field readings (see Table 9A for details).
4 = VES manually shut down.
5 = VES restarted on 11/03/14.
6 = Select soil biopiles also on line.
7 = Closed all vapor extraction wells from 05/07/15 to 06/03/15, and 05/25/16 to 06/17/16, respectively, to focus extraction efforts on soil biopiles.
8 = Opened vapor extraction wells VEW-32, VEW-33 and VEW-34.
9 = Additional sample collected for laboratory analysis as part of field instrument correlation study.
10 = Opened vapor extraction wells HW-1, HW-3 and HW-5 on 08/10/15 based on field PID readings (see Table 9A for details).
11 = Closed vapor extraction well VEW-34 on 08/19/15 based on low to non-detectable lab results (see Table 10 for details).
12 = Opened vapor extraction wells HW-1, HW-3 and HW-5 on 06/17/16.
13 = Valves associated with vapor extraction wells HW-1, HW-3, HW-5 and/or HW-7 each set to a partially open position while leaving all other wells closed to focus extraction efforts on soil biopiles.
14 = Resumed vapor extraction from well HW-7 based on field PID readings (see Table 9A for details).
15 = Valves associated with vapor extraction wells HW-1, HW-3, HW-5 and/or HW-7 each set to optimize system in accordance with recent field readings and/or lab data since completion of ex-situ remediation project on 03/20/17.
16 = Additional sample collected for laboratory analysis after disconnecting all soil biopiles and optimizing system on 03/20/17 (i.e., with extraction efforts again focused on in-situ remediation following completion of ex-situ remediation project).
17 = Wells VEW-38, VEW-39 and VEW-40 tied into system during late June 2017 following installation per SGI's March 14, 2017 *Well Replacement Report and Work Plan.*
18 = Wells RW-1, RW-2, RW-7, RW-9, RW-12, RW-13, RW-18, RW-20 through RW-24, RW-26, and RW-28 through RW-33 tied into system during early August 2017 following installation per SGI's June 30, 2017 *Remediation Well Installation Update Report.*
19 = For full list of wells online, see SGI's November 15, 2017 *Remediation Status Report - Third Quarter 2017* and *February 15, 2018 Remediation Status Report - Fourth Quarter 2017,* respectively.
20 = Opened dilution valve approximately 10% to reduce carbon usage rate.
21 = Closed dilution valve and focused extraction efforts on relatively low concentration horizontal wells to reduce carbon usage with all other higher concentration vertical wells being connected to the thermal oxidizer (see Table 8 for details).
22 = No sample collected for analysis during March 2019 due to site condition and system operation status.
23 = System restart on 10/30/19 after installation of new blower.
24 = System shut down 3/31/20 due to high effluent value permit exceedence on 3/16/20.
25 = Resampled and restarted system on 4/3/20 upon return to permit compliance.
26 = Laboratory reporting Gasoline Range Organics (GRO) as Hexane prior to 11-05-20.
27 = No sample collected for analysis during October 2022 due to system operation status.
28 = HW-7 closed 12/06/22 in advance of horizontal drilling activities.
29 = HW-7 opened 1/20/23 following drilling activities.

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)
01/01/23	Offline		26,063	0	--	--	--	--	--	361,617
01/02/23	Offline		26,063	0	--	--	--	--	--	361,617
01/03/23	Offline		26,063	0	--	--	--	--	--	361,617
01/04/23	Technician		26,063	0	--	--	--	--	--	361,617
01/05/23	Offline		26,063	0	--	--	--	--	--	361,617
01/06/23	Offline		26,063	0	--	--	--	--	--	361,617
01/07/23	Offline		26,063	0	--	--	--	--	--	361,617
01/08/23	Offline		26,063	0	--	--	--	--	--	361,617
01/09/23	Offline		26,063	0	--	--	--	--	--	361,617
01/10/23	Offline		26,063	0	--	--	--	--	--	361,617
01/11/23	Offline		26,063	0	--	--	--	--	--	361,617
01/12/23	Offline		26,063	0	--	--	--	--	--	361,617
01/13/23	Offline		26,063	0	--	--	--	--	--	361,617
01/14/23	Offline		26,063	0	--	--	--	--	--	361,617
01/15/23	Offline		26,063	0	--	--	--	--	--	361,617
01/16/23	Offline		26,063	0	--	--	--	--	--	361,617
01/17/23	Offline		26,063	0	--	--	--	--	--	361,617
01/18/23	Offline		26,063	0	--	--	--	--	--	361,617
01/19/23	Offline		26,063	0	--	--	--	--	--	361,617
01/20/23	Offline		26,063	0	--	--	--	--	--	361,617
01/21/23	Offline		26,063	0	--	--	--	--	--	361,617
01/22/23	Offline		26,063	0	--	--	--	--	--	361,617
01/23/23	Offline		26,063	0	--	--	--	--	--	361,617
01/24/23	Offline		26,063	0	--	--	--	--	--	361,617
01/25/23	Offline		26,063	0	--	--	--	--	--	361,617
01/26/23	Offline		26,063	0	--	--	--	--	--	361,617
01/27/23	Offline		26,063	0	--	--	--	--	--	361,617
01/28/23	Offline		26,063	0	--	--	--	--	--	361,617
01/29/23	Offline		26,063	0	--	--	--	--	--	361,617
01/30/23	Offline		26,063	0	--	--	--	--	--	361,617
01/31/23	Offline		26,063	0	--	--	--	--	--	361,617

Cumulative Mass TPHg Removed by the VES [D] (lb)			
Period	January	Quarter 1 to Date	January 2018 to Date
Mass	0.0	0.0	369,458.4

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

Legend / Notes:

VES offline pending maintenance.

System operating under SCAQMD Permit #G52288

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

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

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

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

TABLE 5B

Thermal Oxidizer Vapor Extraction System Operations Summary - 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)
02/01/23	Offline		26,063	0	--	--	--	--	--	361,617
02/02/23	Offline		26,063	0	--	--	--	--	--	361,617
02/03/23	Offline		26,063	0	--	--	--	--	--	361,617
02/04/23	Offline		26,063	0	--	--	--	--	--	361,617
02/05/23	Offline		26,063	0	--	--	--	--	--	361,617
02/06/23	Offline		26,063	0	--	--	--	--	--	361,617
02/07/23	Offline		26,063	0	--	--	--	--	--	361,617
02/08/23	Offline		26,063	0	--	--	--	--	--	361,617
02/09/23	Offline		26,063	0	--	--	--	--	--	361,617
02/10/23	Technician	1	26,074	722	74	764	--	432	3	361,653
02/11/23	*		26,098	722	--	--	--	--	--	361,732
02/12/23	*		26,123	722	--	--	--	--	--	361,812
02/13/23	*		26,147	722	--	--	--	--	--	361,891
02/14/23	*		26,172	722	--	--	--	--	--	361,970
02/15/23	*		26,196	722	--	--	--	--	--	362,049
02/16/23	*		26,221	722	--	--	--	--	--	362,129
02/17/23	Technician		26,245	655	74	762	--	324	12	362,201
02/18/23	*		26,268	655	--	--	--	--	--	362,268
02/19/23	*		26,291	655	--	--	--	--	--	362,336
02/20/23	*		26,314	655	--	--	--	--	--	362,404
02/21/23	Technician	2, 3	26,337	633	74	758	230	282	6	362,469
02/22/23	*		26,361	633	--	--	--	--	--	362,538
02/23/23	*		26,385	633	--	--	--	--	--	362,607
02/24/23	*		26,410	633	--	--	--	--	--	362,676
02/25/23	*		26,434	633	--	--	--	--	--	362,745
02/26/23	*		26,458	633	--	--	--	--	--	362,814
02/27/23	*		26,482	633	--	--	--	--	--	362,883
02/28/23	*		26,507	633	--	--	--	--	--	362,952

Cumulative Mass TPHg Removed by the VES [D] (lb)			
Period	February	Quarter 1 to Date	January 2018 to Date
Mass	1,334.4	1,334.4	370,792.8

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

Legend / Notes:

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

System operating under SCAQMD Permit #G52288
Vapor extraction wells on line this month (grouped by location):
Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)

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

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

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

TABLE 5C

Thermal Oxidizer Vapor Extraction System Operations Summary - 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)
03/01/23	*		26,531	633	--	--	--	--	--	363,370
03/02/23	Technician		26,555	522	75	750	--	--	1	363,413
03/03/23	*		26,579	522	--	--	--	--	--	363,456
03/04/23	*		26,603	522	--	--	--	--	--	363,498
03/05/23	*		26,627	522	--	--	--	--	--	363,541
03/06/23	*		26,651	522	--	--	--	--	--	363,584
03/07/23	*		26,675	522	--	--	--	--	--	363,627
03/08/23	*		26,699	522	--	--	--	--	--	363,669
03/09/23	Technician		26,723	488	72	770	--	224	3	363,709
03/10/23	*		26,747	488	--	--	--	--	--	363,750
03/11/23	*		26,772	488	--	--	--	--	--	363,790
03/12/23	*		26,796	488	--	--	--	--	--	363,830
03/13/23	Technician		26,820	425	68	766	170	247	7	363,865
03/14/23	*		26,844	425	--	--	--	--	--	363,900
03/15/23	*		26,867	425	--	--	--	--	--	363,934
03/16/23	*		26,891	425	--	--	--	--	--	363,968
03/17/23	*		26,915	425	--	--	--	--	--	364,003
03/18/23	*		26,939	425	--	--	--	--	--	364,037
03/19/23	*		26,962	425	--	--	--	--	--	364,071
03/20/23	*		26,986	425	--	--	--	--	--	364,106
03/21/23	*		27,010	425	--	--	--	--	--	364,140
03/22/23	*		27,033	425	--	--	--	--	--	364,174
03/23/23	Technician		27,057	302	64	766	--	196	2	364,199
03/24/23	*		27,081	302	--	--	--	--	--	364,223
03/25/23	*		27,104	302	--	--	--	--	--	364,248
03/26/23	*		27,128	302	--	--	--	--	--	364,272
03/27/23	*		27,152	302	--	--	--	--	--	364,296
03/28/23	*		27,176	302	--	--	--	--	--	364,321
03/29/23	*		27,199	302	--	--	--	--	--	364,345
03/30/23	Technician		27,223	306	64	848	--	172	4	364,370
03/31/23	*		27,247	306	--	--	--	--	--	364,395

Cumulative Mass TPHg Removed by the VES [A] (lb)			
Period	March	Quarter 1 to Date	January 2018 to Date
Mass	1,443.3	2,777.7	372,236.1

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

Legend / Notes:

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

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

System operating under SCAQMD Permit #G52288

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

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

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

SGI environmental APEX

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

Sample Date	Notes	VES Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		VOCs as Hexane[A]		Benzene		Ethylbenzene		MTBE		Toluene		o-Xylene		m,p-Xylenes		Total Xylenes	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
01/11/18	1,2,3	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-1, RW-9, RW-13, RW-18 and RW-26	8015M & 8260M	**1,942**	370	1500	380	1,500	<0.16	<0.50	<0.12	<0.50	<0.55	<2.0	<0.13	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5
03/14/18	2,4,5,6	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-1, -4, -5, -7, -9, -10, -11, -13, -14, -18 and -26	8015M & 8260M	**2,193**	370	1500	380	1,500	0.41	1.3	<0.12	<0.50	<0.55	<2.0	<0.13	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5
04/02/18	2	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-1, -4, -5, -7, -9, -10, -11, -13, -14, -18 and -26	8015M & 8260M	**1,370**	1,700	7,100	1,800	7,100	4.1	13	**0.28**	**1.2**	<0.55	<2.0	<0.13	<0.50	<0.12	<0.50	0.76	3.3	<0.35	<1.5
05/02/18	2	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-1, -4, -5, -7, -9, -10, -11, -13, -14, -18 and -26	8015M & 8260M	**1,380**	780	3,200	820	3,200	3.0	9.6	<0.12	<0.50	<0.55	<2.0	<0.13	<0.50	<0.12	<0.50	0.28	1.2	<0.35	<1.5
06/06/18	2,6,7	HW-1, HW-5, HW-7, VEW-39, RW-1, -4, -9, -10, -11, -13, -14 and -18	8015M & 8260M	**1,531**	**1,000**	**4,100**	**990**	**4,100**	**4.1**	**13**	**0.17**	**0.72**	<0.55	<2.0	<0.13	<0.50	<0.12	<0.50	**0.53**	**2.3**	<0.35	<1.5
07/02/18	2,6	RW-1, -4, -5, -9, -10, -11, -13, -18, -22, -29, -23, -24, -26, -27, -28, -30, -31, -32, -33, -36, -37, -40, -41, -42, -43, -44, -45, -47, -48, -49, -50, VEW-40	8015M & 8260M	**890**	560	2,300	560	2,300	2.2	7.1	<0.23	<1.0	<1.1	<4.0	<0.27	<1.0	<0.23	<1.0	0.55	2.4	<0.35	<1.5
08/06/18	2,6	RW-1, -4, -5, -9, -10, -11, -13, -18, -22, -29, -23, -24, -26, -27, -28, -30, -31, -32, -33, -36, -37, -40, -41, -42, -43, -44, -45, -47, -48, -49, -50, VEW-40	8015M & 8260M	**876**	710	2,900	710	2,900	0.88	2.8	**0.23**	**1.0**	<0.55	<2.0	**0.58**	**2.2**	0.25	1.1	0.92	4.0	<0.35	<1.5
09/13/18	2,6	RW-1, -4, -5, -9, -10, -11, -13, -18, -22, -29, -23, -24, -26, -27, -28, -30, -31, -32, -33, -36, -37, -40, -41, -42, -43, -44, -45, -47, -48, -49, -50, VEW-40	8015M & 8260M	**935**	930	3,800	930	3,800	**1.9**	**6.0**	**0.41**	**1.8**	<0.28	<1.0	**0.34**	**1.3**	**0.18**	**0.77**	**0.94**	**4.1**	<0.35	<1.5
10/29/18	2,6	RW-1, -4, -5, -9, -10, -11, -14, -18, -22, -23, -24, -26, -27, -28, -29, -30, -31, -32, -33, -35, -36, -37, -38, -40, -41, -42, -44, -45, -47, -48, -49, -50, VEW-40	8015M & 8260M	**791**	440	1,800	390	1,800	**0.97**	**3.1**	<0.12	<0.5	<0.55	<2.0	<0.13	<0.5	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5
11/14/18	2,6	RW-1, -4, -5, -9, -10, -11, -14, -18, -22, -23, -24, -26, -27, -28, -29, -30, -31, -32, -33, -35, -36, -37, -38, -40, -41, -42, -44, -45, -47, -48, -49, -50, VEW-40	8015M & 8260M	**794**	640	2,600	560	2,600	**1.6**	**5.1**	**0.18**	**0.77**	<0.55	<2.0	<0.13	<0.5	<0.12	<0.5	**0.41**	**1.8**	<0.35	<1.5
12/17/18	2,6,8	RW-1, -4, -5, -9, -10, -11, -14, -18, -22, -23, -24, -26, -27, -28, -29, -30, -31, -32, -33, -35, -36, -37, -38, -40, -41, -42, -44, -45, -47, -48, -49, -50, VEW-40	8015M & 8260M	**968**	220	900	200	900	**0.47**	**1.5**	<0.12	<0.5	<0.55	<2.0	<0.13	<0.5	<0.12	<0.5	<0.23	<1.0	<0.38	<1.8
03/19/19	2,6,9	RW-1, -4, -5, -9, -10, -11, -18, -22, -23, -24, -26, -27, -28, -29, -30, -31, -32, -33, -35, -37, -40, -41, -42, -43, -44, -45, -47, -48, -49, and -50; VEW-40; TFR-5, -7, -9, -10, -11, -13, -16, -19, -21, -24, -26, -28, -30, -35, -36, and -37	8015M & 8260M	**766**	**270**	**1,100**	**240**	**1,100**	**0.72**	**2.3**	<0.12	<0.50	<0.55	<2.0	<0.13	<0.50	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5
04/03/19	2,6,9	RW-1, -4, -5, -9, -10, -11, -18, -22, -23, -24, -26, -27, -28, -29, -30, -31, -32, -33, -35, -37, -40, -41, -42, -43, -44, -45, -47, -48, -49, and -50; VEW-40; TFR-5, -7, -9, -10, -11, -13, -16, -19, -21, -24, -26, -28, -30, -35, -36, and -37	8015M & 8260M	**1,984**	**210**	**860**	**190**	**860**	**0.28**	**0.91**	<0.12	<0.50	<0.55	<2.0	<0.13	<0.50	<0.12	<0.5	<0.23	<1.0	<0.35	<1.5
04/22/19	2,6,9	RW-1, -4, -5, -9, -10, -11, -18, -22, -23, -24, -26, -27, -28, -29, -30, -31, -32, -33, -35, -37, -40, -41, -42, -43, -44, -45, -47, -48, -49, and -50; VEW-40; TFR-5, -7, -9, -10, -11, -13, -16, -19, -21, -24, -26, -28, -30, -35, -36, and -37	8015M & 8260M	**2,410**	**660**	**2,700**	**600**	**2,700**	**2.9**	**9.2**	**0.28**	**1.2**	<0.55	<2.0	<0.13	<0.50	**0.13**	**0.58**	**0.41**	**1.8**	**0.54**	**2.38**
05/06/19	2,6,9	RW-1, -4, -5, -9, -10, -11, -18, -22, -23, -24, -26, -27, -28, -29, -30, -31, -32, -33, -35, -37, -40, -41, -42, -43, -44, -45, -47, -48, -49, and -50; VEW-40; TFR-5, -7, -9, -10, -11, -13, -16, -19, -21, -24, -26, -28, -30, -35, -36, and -37	8015M & 8260M	**1,860**	**710**	**2,900**	**630**	**2,900**	**3.8**	**12**	**0.46**	**2.0**	<0.55	<2.0	<0.13	<0.50	<0.12	<0.50	**0.64**	**2.8**	**0.64**	**2.8**
06/06/19	2,6,9	RW-1, -4, -5, -9, -10, -11, -18, -22, -23, -24, -26, -27, -28, -29, -30, -31, -32, -33, -35, -37, -40, -41, -42, -43, -44, -45, -47, -48, -49, and -50; VEW-40; TFR-5, -7, -9, -10, -11, -12, -13, -14, -15, -16, -18, -19, -21, -22, -24, -26, -28, -29, -30, -32, -33, TF-17, TFR-18, TFR-19, TFR-22, TFR-25, TF-18, RTF-18-E, RTF-18-NW	8015M & 8260M	**5,375**	**950**	**3,900**	**860**	**3,900**	**5.3**	**17**	**0.25**	**1.1**	<0.55	<2.0	**0.21**	**0.8**	<0.12	<0.5	**0.46**	**2.0**	**0.46**	**2.0**
07/10/19	2,6,9	Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, RFR-19, TFR-22), (TFR-13, TFR-14, TFR-15, TFR-16), (TRF-5, TFR-7, TFR-9, TFR-10, TFR-12); Eastern Area - (RW-1, RW-11, RW-18, RW-13, RW-4, RW-5, RW-9, RW-10, TFR-21, TFR-26, TFR-27, TFR-28, TFR-34); Southern Area - (RW-23, RW-30, RW-31, RW-32, VEW-40, RW-26, RW-28, RW-24, RW-27, RW-33, RW-43, RW-22, RW-29, RW-45, RW-35, RW-40, RW-44, RW-36, RW-37, RW-41, RW-42, RW-47, RW-48, RW-49, RW-50).	8015M & 8260M	**1,962**	**2,100**	**8,500**	**1,900**	**8,500**	**5.3**	**17**	**0.37**	**1.6**	<0.55	<2.0	**0.58**	**2.2**	**0.25**	**1.1**	**0.78**	**3.4**	**1.03**	**4.5**

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

Sample Date	Notes	VES Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		VOCs as Hexane[A]		Benzene		Ethylbenzene		MTBE		Toluene		o-Xylene		m,p-Xylenes		Total Xylenes	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
08/05/19	6	Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, RFR-19, TFR-22), (TFR-13, TFR-14, TFR-15, TFR-16), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-18), (RW-13), (RW-4, RW-5, RW-9, RW-10); Southern Area -(RW-23), (RW-30, RW-31, RW-32), (VEW-40, RW-26, RW-28), (RW-24, RW-27, RW-33, RW-43), (RW-22, RW-29, RW-45), (RW-35, RW-40, RW-44), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50).	8015M & 8260M	**2,620**	**2,700**	**11,000**	**2,500**	**11,000**	**6.6**	**21**	**0.37**	**1.6**	<0.55	<2.0	**0.77**	**2.9**	**0.25**	**1.1**	**0.94**	**4.1**	**1.19**	**5.2**
09/09/19	6	Central Area -(TFR-21, TFR-26, TFR-27, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, RFR-19, TFR-22), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-13), (RW-4, RW-5, RW-9, RW-10); Southern Area -(RW-23), (RW-30, RW-31, RW-32), (VEW-40, RW-26, RW-28), (RW-24, RW-27, RW-33, RW-43), (RW-22, RW-29, RW-45), (RW-35, RW-40, RW-44), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50).	8015M & 8260M	**2,180**	**2,300**	**9,600**	**2,100**	**9,600**	**5.0**	**16**	**1.0**	**4.4**	<0.55	<2.0	**0.72**	**2.7**	**0.28**	**1.2**	**1.6**	**6.9**	**7.18**	**8.1**
10/31/19		Central Area - (TFR-21, TFR-26, TFR-27, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, RFR-19, TFR-22), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-13, RW-14), (RW-4, RW-5, RW-9, RW-10); Southern Area -(RW-30, RW-31, RW-32), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40, RW-44), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50).	8015M & 8260M	**2,176**	**3,400**	**14,000**	**3,100**	**14,000**	**5.6**	**18**	**0.92**	**4.0**	<0.55	<2.0	**0.61**	**2.3**	**0.46**	**2.0**	**2.2**	**9.7**	**2.66**	**12**
11/20/19		Central Area - (TFR-21, TFR-26, TFR-27, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, RFR-19, TFR-22), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-13, RW-14), (RW-4, RW-5, RW-9, RW-10); Southern Area -(RW-30, RW-31, RW-32), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40, RW-44), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50).	8015M & 8260M	**1,290**	**3,200**	**13,000**	**2,800**	**13,000**	**2.0**	**6.5**	**0.83**	**3.6**	<0.55	<2.0	**0.53**	**2.0**	**0.39**	**1.7**	**1.3**	**5.8**	**1.69**	**7.5**
12/16/19		Central Area - (TFR-21, TFR-26, TFR-27, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, RFR-19, TFR-22), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-13, RW-14), (RW-4, RW-5, RW-9, RW-10); Southern Area -(RW-30, RW-31, RW-32), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40, RW-44), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50).	8015M & 8260M	**1,566**	**3,400**	**14,000**	**3,000**	**14,000**	**5.0**	**16**	**1.0**	**4.4**	<0.55	<2.0	**0.72**	**2.7**	**0.28**	**1.2**	**1.6**	**6.9**	**1.88**	**8.1**
1/15/2020		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-23, TFR-24, TFR-30, TFR-33), (TFR-17, TFR-18, RFR-19, TFR-22), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-7), (RW-13, RW-14), (RW-4, RW-9, RW-10); Southern Area -(RW-30, RW-31, RW-32), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50).	8015M & 8260M	**1,446**	**2,400**	**10,000**	**2,300**	**10,000**	**2.20**	**7.10**	**0.69**	**3.00**	<1.1	<4	**0.93**	**3.50**	**0.62**	**2.70**	**1.70**	**7.40**	**2.32**	**10**
2/18/2020		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-23, TFR-24, TFR-30, TFR-33), (TFR-17, TFR-18, RFR-19, TFR-22), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-7), (RW-13, RW-14), (RW-4, RW-9, RW-10); Southern Area -(RW-30, RW-31, RW-32), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50).	8015M & 8260M	**996**	**1,900**	**7,800**	**1,700**	**7,800**	**2.10**	**6.80**	**0.55**	**2.40**	<.55	<2	**0.80**	**3.00**	**0.55**	**2.40**	**1.40**	**6.20**	**1.95**	**8.6**
3/16/2020		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TFR-29, TFR-32, TFR-35, TFR-36, TFR-37), (TFR-17, TFR-18, RFR-19, TFR-22, TFR-25), (TFR-11, TFR-13, TFR-14, TFR-15), (TFR-5, TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1,RW-6, RW-15, RW-16, RW-17), (VEW-32, VEW-37, RW-2, RW-7, RW-11), (VEW-33, VEW-36, RW-8, RW-12, RW-18), (VEW-34, VEW-35, RW-13, RW-14), (RW-3, RW-4, RW-5, RW-9, RW-10); Southern Area -(RW-19, RW-20, RW-22, RW-29, RW-45), (RW-35, RW-38, RW-39, RW-40 RW-44), (RW-36, RW-37, RW-41, RW-42, RW-46), (RW-47, RW-48, RW-49, RW-50).	8015M & 8260M	**864**	**1,198**	**4,900**	**313**	**1,100**	**1.94**	**6.20**	**0.41**	**1.80**	<.55	<2	**0.74**	**2.80**	**0.48**	**2.10**	**1.22**	**5.30**	**1.7**	**7.4**

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

Sample Date	Notes	VES Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		VOCs as Hexane[A]		Benzene		Ethylbenzene		MTBE		Toluene		o-Xylene		m,p-Xylenes		Total Xylenes	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
4/15/2020		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TFR-29, TFR-32, TFR-35, TFR-36, TFR-37), (TFR-17, TFR-18, RFR-19, TFR-22, TFR-25), (TFR-11, TFR-13, TFR-14, TFR-15), (TFR-5, TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1,RW-6, RW-15, RW-16, RW-17), (VEW-32, VEW-37, RW-2, RW-7, RW-11), (VEW-33, VEW-36, RW-8, RW-12, RW-18), (VEW-34, VEW-35, RW-13, RW-14), (RW-3, RW-4, RW-5, RW-9, RW-10); Southern Area -(RW-19, RW-20, RW-22, RW-29, RW-45), (RW-35, RW-38, RW-39, RW-40 RW-44), (RW-36, RW-37, RW-41, RW-42, RW-46), (RW-47, RW-48, RW-49, RW-50),	8015M & 8260M	**606**	**830**	**3,400**	**740**	**3,400**	**0.94**	**3.00**	**0.18**	**0.80**	<.55	<2	**0.42**	**1.60**	**0.25**	**1.10**	**0.55**	**2.40**	**0.8**	**3.5**
5/15/2020		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-23, TFR-24, TFR-30, TFR-33), (TFR-17, TFR-18, TFR-19, TFR-22), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10); Southern Area -(RW-30, RW-31, RW-32), (VEW-40, RW-26, RW-28), (RW-33), (RW-22, RW-29), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50).	8015M & 8260M	**522**	**1,100**	**4,600**	**960**	**4,600**	**0.78**	**2.50**	**0.28**	**1.20**	<.55	<2	**0.48**	**1.80**	**0.37**	**1.60**	**0.88**	**3.80**	**1.25**	**5.4**
6/22/2020		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-23, TFR-24, TFR-30, TFR-33), (TFR-17, TFR-18, TFR-19), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10); Southern Area -(RW-30, RW-31, RW-32), (VEW-40, RW-26, RW-28), (RW-33), (RW-22, RW-29), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50).	8015M & 8260M	**708**	**1,900**	**7,700**	**1,700**	7,700	**1.50**	**4.90**	**0.20**	**0.86**	<.55	<2	**0.32**	**1.20**	**0.30**	**1.30**	**0.60**	**2.60**	**0.9**	**3.9**
7/20/2020		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-23, TFR-24, TFR-30, TFR-33), (TFR-17, TFR-18, TFR-19), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34); Eastern Area - (RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10); Southern Area -(RW-30, RW-31, RW-32), (VEW-40, RW-26, RW-28), (RW-33), (RW-22, RW-29), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50).	8015 & 8260B	**630**	**950**	**3,900**	--	**3,900**	**1.10**	**3.50**	**0.21**	**0.91**	<0.55	<2.0	**0.42**	**1.60**	**0.48**	**2.10**	**0.71**	**3.10**	**1.19**	**5.2**
9/14/2020		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-23, TFR-24, TFR-30, TFR-33), (TFR-17, TFR-18, TFR-19), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34); Eastern Area - (RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10); Southern Area -(RW-30, RW-31, RW-32), (VEW-40, RW-26, RW-28), (RW-33), (RW-22, RW-29), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50).	8015 & 8260B	**748**	**1,900**	**7,700**	--	**7,700**	**3.40**	**11.00**	**0.35**	**1.50**	<0.55	<2.0	**0.40**	**1.50**	**0.35**	**1.50**	**0.85**	**3.70**	**1.2**	**5.2**
10/5/2020		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34); Eastern Area - (RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10); Southern Area -(RW-30, RW-31, RW-32), (VEW-40, RW-26, RW-28), (RW-33), (RW-22, RW-29), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50).	8015 & 8260B	**582**	**1,300**	**5,300**	--	**5,300**	**1.20**	**3.90**	**0.22**	**0.96**	<0.55	<2.0	**0.58**	**2.20**	**0.25**	**1.10**	**0.62**	**2.70**	**0.87**	**3.8**
11/4/2020		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34); Eastern Area - (RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10); Southern Area -(RW-30), (VEW-40, RW-26, RW-28), (RW-29), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49).	8015 & 8260B	**554**	**1,900**	**7,900**	**1,400**	**7,900**	**1.20**	**3.90**	**0.32**	**1.40**	<0.55	<2.0	**0.85**	**3.20**	**0.35**	**1.50**	**0.81**	**3.50**	**1.16**	**5.0**
12/7/2020		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34); Eastern Area - (RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10); Southern Area -(RW-30), (VEW-40, RW-26, RW-28), (RW-29), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49).	8015 & 8260B	**512**	**1,300**	**5,500**	**1,000**	**5,500**	**0.94**	**3.00**	**0.35**	**1.50**	<0.55	<2.0	**0.74**	**2.80**	**0.37**	**1.60**	**0.85**	**3.70**	**1.22**	**5.3**

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

Sample Date	Notes	VES Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		VOCs as Hexane[A]		Benzene		Ethylbenzene		MTBE		Toluene		o-Xylene		m,p-Xylenes		Total Xylenes	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
1/28/2021		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34); Eastern Area - (RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10); Southern Area -(RW-30), (VEW-40, RW-26, RW-28), (RW-29), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49).	8015 & 8260B	**782**	**1,400**	**5,600**	**1,000**	**5,600**	**1.80**	**5.80**	**0.41**	**1.80**	<0.55	<2.0	**0.40**	**1.50**	**0.32**	**1.40**	**0.99**	**4.30**	**1.31**	**5.7**
2/24/2021		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34); Eastern Area - (RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10); Southern Area -(RW-30), (VEW-40, RW-26, RW-28), (RW-29), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49).	8015 & 8260B	**826**	**980**	**4,000**	**740**	**4,000**	**1.40**	**4.60**	**0.41**	**1.80**	<0.55	<2.0	**0.42**	**1.60**	**0.25**	**1.10**	**0.92**	**4.00**	**1.17**	**5.1**
3/8/2021		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34); Eastern Area - (RW-1), (RW-7), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-21, RW-23), (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-24, RW-25, RW-27, RW-33, RW-43), (RW-22, RW-29), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**696**	**540**	**2,200**	**400**	**2,200**	**1.80**	**5.60**	**0.46**	**2.00**	<0.55	<2.0	**0.58**	**2.20**	**0.28**	**1.20**	**0.94**	**4.10**	**1.22**	**5.3**
4/19/2021		Central Area - (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12), (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34); Eastern Area - (RW-1), (RW-7), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-21, RW-23), (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-24, RW-25, RW-27, RW-33, RW-43), (RW-22, RW-29), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**504**	**420**	**1,700**	**310**	**1,700**	**1.40**	**4.40**	**0.28**	**1.20**	<0.55	<2.0	**0.26**	**0.97**	**0.20**	**0.86**	**0.60**	**2.60**	**0.8**	**3.46**
6/8/2021		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**486**	**390**	**1,600**	**280**	**1,600**	**1.10**	**3.60**	**0.46**	**2.00**	<0.55	<2.0	**0.53**	**2.00**	**0.35**	**1.50**	**1.00**	**4.40**	**1.35**	**5.9**
6/21/2021		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**538**	**460**	**1,900**	**340**	**1,900**	**1.10**	**3.40**	**0.37**	**1.60**	<0.55	<2.0	**0.48**	**1.80**	**0.30**	**1.30**	**0.88**	**3.80**	**1.18**	**5.1**
7/7/2021		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**490**	**460**	**1,900**	**340**	**1,900**	**0.94**	**3.00**	**0.44**	**1.90**	<0.55	<2.0	**0.53**	**2.00**	**0.37**	**1.60**	**1.10**	**4.70**	**1.47**	**6.3**
8/9/2021		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**406**	**370**	**1,500**	**290**	**1,500**	**1.20**	**3.90**	**0.46**	**2.00**	<0.28	<1.0	**0.58**	**2.20**	**0.37**	**1.60**	**1.00**	**4.50**	**1.37**	**6.1**

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

Sample Date	Notes	VES Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		VOCs as Hexane[A]		Benzene		Ethylbenzene		MTBE		Toluene		o-Xylene		m,p-Xylenes		Total Xylenes	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
9/20/2021		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**412**	**320**	**1,300**	**240**	**1,300**	**0.44**	**1.40**	**0.32**	**1.40**	<0.28	<1.0	**0.37**	**1.40**	**0.30**	**1.30**	**0.83**	**3.60**	**1.13**	**4.9**
10/18/2021		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**436**	**440**	**1,800**	**330**	**1,800**	**0.85**	**2.70**	**0.37**	**1.60**	<0.28	<1.0	**0.45**	**1.70**	**0.37**	**1.60**	**1.00**	**4.50**	**1.37**	**6.1**
11/10/2021		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**446**	**610**	**2,500**	**450**	**2,500**	**1.10**	**3.40**	**0.28**	**1.20**	<0.28	<1.0	**0.32**	**1.20**	**0.23**	**1.00**	**0.69**	**3.00**	**0.92**	**4.0**
12/6/2021		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**458**	**640**	**2,600**	**470**	**2,600**	**0.63**	**2.00**	**0.35**	**1.50**	<0.28	<1.0	**0.42**	**1.60**	**0.30**	**1.30**	**0.99**	**4.30**	**1.29**	**5.6**
1/18/2022		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**498**	**610**	**2,500**	**460**	**2,500**	**1.10**	**3.60**	**0.37**	**1.60**	<0.28	<1.0	**0.45**	**1.70**	**0.25**	**1.10**	**0.92**	**4.00**	**1.17**	**5.1**
2/9/2022		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**436**	**540**	**2,200**	**390**	**2,200**	**0.75**	**2.40**	**0.22**	**0.97**	<0.28	<1.0	**0.32**	**1.20**	**0.21**	**0.90**	**0.69**	**3.00**	**0.9**	**3.9**
3/9/2022		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**402**	**540**	**2,200**	**400**	**2,200**	**0.81**	**2.60**	**0.25**	**1.10**	<0.28	<1.0	**0.42**	**1.60**	**0.30**	**1.30**	**0.83**	**3.60**	**1.13**	**4.9**

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

Sample Date	Notes	VES Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		VOCs as Hexane[A]		Benzene		Ethylbenzene		MTBE		Toluene		o-Xylene		m,p-Xylenes		Total Xylenes	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
4/20/2022		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**310**	**370**	**1,500**	**280**	**1,500**	**0.41**	**1.30**	**0.21**	**0.93**	<0.28	<1.0	**0.24**	**0.89**	**0.25**	**1.10**	**0.62**	**2.70**	**0.87**	**3.8**
5/10/2022		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**356**	**390**	**1,600**	**290**	**1,600**	**0.53**	**1.70**	**0.25**	**1.10**	<0.28	<1.0	**0.32**	**1.20**	**0.28**	**1.20**	**0.81**	**3.50**	**1.09**	**4.7**
6/16/2022		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**290**	**370**	**1,500**	**270**	**1,500**	**0.41**	**1.30**	**0.17**	**0.72**	<0.28	<1.0	**0.29**	**1.10**	**0.21**	**0.90**	**0.58**	**2.50**	**0.79**	**3.4**
7/12/2022		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**356**	**540**	**2,200**	**390**	**2,200**	**0.56**	**1.80**	**0.30**	**1.30**	<0.28	<1.0	**0.37**	**1.40**	**0.35**	**1.50**	**1.10**	**4.60**	**1.45**	**6.1**
8/8/2022		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**292**	**290**	**1,200**	**220**	**1,200**	**0.41**	**1.30**	**0.18**	**0.76**	<0.28	<1.0	**0.18**	**0.69**	**0.16**	**0.70**	**0.53**	**2.30**	**0.69**	**3.0**
9/20/2022		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**130**	**370**	**1,500**	**270**	**1,500**	**0.56**	**1.80**	**0.18**	**0.80**	<0.28	<1.0	**0.20**	**0.74**	**0.20**	**0.87**	**0.55**	**2.40**	**0.75**	**3.27**
10/26/2022		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**320**	**370**	**1,500**	**270**	**1,500**	**0.41**	**1.30**	**0.14**	**0.61**	<0.28	<1.0	**0.09**	**0.32**	**0.13**	**0.58**	**0.37**	**1.60**	**0.5**	**2.18**
11/10/2022		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**234**	**290**	**1,200**	**210**	**1,200**	**0.41**	**1.30**	**0.12**	**0.52**	<0.28	<1.0	**0.10**	**0.37**	**0.12**	**0.54**	**0.37**	**1.60**	**0.49**	**2.14**

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

Sample Date	Notes	VES Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		VOCs as Hexane[A]		Benzene		Ethylbenzene		MTBE		Toluene		o-Xylene		m,p-Xylenes		Total Xylenes	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
12/14/2022		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**294**	**290**	**1,200**	**270**	**1,200**	**0.28**	**0.89**	**0.15**	**0.66**	<0.28	<1.0	**0.07**	**0.28**	**0.13**	**0.56**	**0.35**	**1.50**	**0.48**	**2.06**
2/21/2023		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**282**	**290**	**1,200**	**230**	**1,200**	**0.34**	**1.10**	**0.23**	**1.00**	<0.28	<1.0	<0.066	<0.25	**0.09**	**0.40**	**0.44**	**1.90**	**0.53**	**2.3**
3/13/2023		Central Area - (TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12); Eastern Area - (RW-1), (RW-13), (RW-3, RW-4, RW-9, RW-10); Southern Area - (RW-30), (VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	8015 & 8260B	**247**	**220**	**910**	**170**	**910**	**0.23**	**0.72**	**0.11**	**0.47**	<0.28	<1.0	<0.066	<0.25	<0.058	<0.25	**0.23**	**1.00**	**0.26**	**1.13**

Legend / Notes:
VES = Vapor extraction system
GRO = Gasoline range organics
MTBE = Methyl tertiary-butyl ether
OVA = Organic Vapor Analyzer (calibrated or correlated to Hexane)
ppmv = Parts per million by volume
µg/L = Micrograms per liter
<1 = Not detected at or above the Method Reporting Limit (MRL) shown.
-- = Not available or not analyzed
- Reported concentrations are shown in bold.

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

1 = Temporary thermal oxidizer VES started on 01/08/18.
2 = VES operations limited to daytime hours due to noise concerns from nearby residents.
3 = Noise abatement measures implemented in an effort to address concerns from nearby residents.
4 = Vapor extraction wells RW-3 through RW-6, RW-8, RW-11, RW-12, and RW-14 through RW-17 brought online 02/14/18 following the completion of installation and tie-in activities per SGI's June 30, 2017 *Remediation Well Installation Update Report.*
5 = No sample collected for analysis during February 2018 due to site condition and system operation status.
6 = Measured individual well concentrations and opened and/or closed select vapor extraction wells (see Table 9A through 9D for details).
7 = Vapor extraction wells RW-19, RW-20, RW-22, RW-24, RW-27 through RW-30, RW-32, RW-33, RW-35 through RW-38, and RW-40 through RW-50 brought online 6/27/18 following the completion of tie-in activities per SGI's June 30, 2017 report.
8 = Temporary thermal oxidizer VES shutdown on 01/08/2019.
9 = Permanent thermal oxidizer VES started on 03/13/2019.

TABLE 7A
Summary of LNAPL Removal in Well GMW-62 - First Quarter 2023
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing [A] (gallons)	LNAPL Removed with Socks [A] (pounds)	LNAPL Removed with Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A, B] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A,B] (pounds)
						End of Fourth Quarter 2022:	*149.3*	*1,021.9*
01/09/23	--	36.28	--	0.0	0.0	0.0	149.3	1,021.9
01/24/23	--	36.30	--	0.0	0.7	0.1	149.4	1,022.6
02/02/23	--	36.28	--	0.0	0.0	0.0	149.4	1,022.6
03/23/23	--	36.03	--	0.0	0.0	0.0	149.4	1,022.6
Cumulative for the Reporting Period [A]:				**0.0**	**0.7**	**0.1**	**0.1**	**0.7**
Cumulative Beginning January 2014 [A,B]:				**112.0**	**256.2**	**37.4**	**149.4**	**1,022.6**

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

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

TABLE 7B
Summary of LNAPL Removal in Well GMW-68 - First Quarter 2023
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing [A] (gallons)	LNAPL Removed with Socks [A] (pounds)	LNAPL Removed with Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A, B] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A,B] (pounds)
						End of Fourth Quarter 2022:	*100.9*	*690.5*
01/09/23	--	35.45	--	0.0	0.0	0.0	100.9	690.5
01/24/23	--	35.44	--	0.0	0.9	0.1	101.0	691.4
02/02/23	--	35.47	--	0.0	0.0	0.0	101.0	691.4
03/23/23	--	35.20	--	0.0	1.5	0.2	101.2	692.9
Cumulative for the Reporting Period [A]:				**0.0**	**2.4**	**0.4**	**0.4**	**2.4**
Cumulative Beginning October 2016 [A,B]:				**33.5**	**463.7**	**67.7**	**101.2**	**692.9**

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

A = Difference between additive sum and displayed cumulative value is a result of rounding and/or significant figures.
B = Cumulative LNAPL removed since 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 2023
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via, Pumping, Bailing and Socks [A] (pounds)
No Product Removal Via Bailing, Skimming, or Absorbant Socks During 1st Quarter 2023								

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

Legend / Notes:

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

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

TABLE 7D
Summary of LNAPL Removal in Well TF-19 - First Quarter 2023
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Pumping, Bailing and Socks [A] (pounds)
No Product Removal Via Bailing, Skimming, or Absorbant Socks During 1st Quarter 2023								

Cumulative for the Reporting Period:	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning June 2015 [A]:	**6.75**	**199.1**	**29.08**	**35.8**	**245.2**

Legend / Notes:

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

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

TABLE 7E
Summary of LNAPL Removal in Well TFR-9 - First Quarter 2023
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 2023								
Cumulative for the Reporting Period:				**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning October 2018 [A,B]:				**150.0**	**0.0**	**0.0**	**150.0**	**1,026.5**

Legend / Notes:

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

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

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

TABLE 7F
Summary of LNAPL Removal in Well GMW-18 - First Quarter 2023
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 2023								
Cumulative for the Reporting Period [B]:				**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning March 2017 [A]:				**101.1**	**75.8**	**11.1**	**112.2**	**767.6**

Legend / Notes:

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

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

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

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TABLE 7G
Summary of LNAPL Removal in Well TFR-12 - First Quarter 2023
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 2023								

Cumulative for the Reporting Period:	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning April 2018 [A,B]:	**284.3**	**0.0**	**0.0**	**284.3**	**1,945.7**

Legend / Notes:

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

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

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

TABLE 7H
Summary of LNAPL Removal in Well TFR-14 - First Quarter 2023
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 2023								

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

Legend / Notes:

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

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

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

TABLE 7I
Summary of LNAPL Removal in Well TF-15 - First Quarter 2023
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 2023								
Cumulative for the Reporting Period [B]:				**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning October 2016 [A]:				**187.1**	**52.5**	**7.7**	**194.8**	**1,332.9**

Legend / Notes:

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

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

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

TABLE 7J
Summary of LNAPL Removal in Well TFR-15 - First Quarter 2023
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 2023								
Cumulative for the Reporting Period:				**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning October 2018 [A,B]:				**23.0**	**0.0**	**0.0**	**23.0**	**157.4**

Legend / Notes:

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

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

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

TABLE 7K
Summary of LNAPL Removal in Well TF-16 - First Quarter 2023
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 2023								

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

Legend / Notes:

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

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

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

TABLE 7L
Summary of LNAPL Removal in Well GW-14R - First Quarter 2023
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 2023								

Cumulative for the Reporting Period:	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning October 2018 [A,B]:	**360.0**	**0.0**	**0.0**	**360.0**	**2,463.6**

Legend / Notes:

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

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

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

TABLE 7M
Summary of LNAPL Removal in Well TFR-18 - First Quarter 2023
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 2023								
Cumulative for the Reporting Period:				**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning October 2018 [A,B]:				**18.1**	**0.0**	**0.0**	**18.1**	**124.2**

Legend / Notes:

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

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

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

TABLE 7N
Summary of LNAPL Removal in Well TFR-22 - First Quarter 2023
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
						End of Fourth Quarter 2022:	*366.8*	*2,509.9*
01/09/23	35.03	35.09	0.06	4.0	--	--	370.8	2,537.2
02/02/23	34.94	35.22	0.28	0.0	--	--	370.8	2,537.2
03/23/23	--	--	--	--	--	--	--	--
03/30/23	--	--	--	--	--	--	--	--
Cumulative for the Reporting Period:				**4.0**	**0.0**	**0.0**	**4.0**	**27.4**
Cumulative Beginning October 2018 [A,B]:				**370.8**	**0.0**	**0.0**	**370.8**	**2,537.2**

Legend / Notes:

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

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

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

TABLE 7O
Summary of LNAPL Removal in Well TFR-24 - First Quarter 2023
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
						End of Fourth Quarter 2022:	*114.4*	*783.2*
01/09/23	--	34.75	0.00	0.0	6.4	0.9	115.4	789.6
01/24/23	--	34.87	0.00	0.0	0.5	0.1	115.5	790.1
02/02/23	--	34.66	0.00	0.0	0.0	0.0	115.5	790.1
03/23/23	--	--	--	--	--	--	--	--
Cumulative for the Reporting Period:				**0.0**	**6.9**	**1.0**	**1.0**	**6.9**
Cumulative Beginning October 2018 [A,B]:				**110.1**	**36.8**	**5.4**	**115.5**	**790.1**

Legend / Notes:

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

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

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

TABLE 7P
Summary of LNAPL Removal in Well TFR-29 - First Quarter 2023
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing [A] (gallons)	LNAPL Removed with Socks [A] (pounds)	LNAPL Removed with Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A,B] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A,B] (pounds)
						End of Fourth Quarter 2022:	*984.4*	*6,736.6*
01/09/23	35.05	35.11	0.06	0.0	--	--	984.4	6,736.6
02/02/23	35.19	35.33	0.14	0.0	--	--	984.4	6,736.6
03/23/23	--	--	--	--	--	--	--	--
03/30/23	--	--	--	--	--	--	--	--
Cumulative for the Reporting Period [A]:				**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning April 2018 [A,B,C,D]:				**981.9**	**17.3**	**2.5**	**984.4**	**6,736.6**

Legend / Notes:

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

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

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

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

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

TABLE 7Q
Summary of LNAPL Removal in Well TFR-33 - First Quarter 2023
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 2023								
Cumulative for the Reporting Period:				**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning October 2018 [A,B]:				**123.0**	**0.0**	**0.0**	**123.0**	**841.7**

Legend / Notes:

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

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

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

TABLE 7R
Summary of LNAPL Removal in Well RTF-18-E - First Quarter 2023
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
						End of Fourth Quarter 2022:	*683.2*	*4,675.5*
01/09/23	--	35.01	0.00	0.0	3.1	0.5	683.7	4,678.6
01/24/23	--	34.97	0.00	0.0	0.5	0.1	683.8	4,679.1
02/02/23	--	34.86	0.00	0.0	0.0	0.0	683.8	4,679.1
03/23/23	--	34.02	0.00	0.0	5.0	0.7	684.5	4,684.1

Cumulative for the Reporting Period:	**0.0**	**8.6**	**1.3**	**1.3**	**8.6**
Cumulative Beginning May 2016 - July 2016 [A]:	**47.5**	**0.0**	**0.0**	**47.5**	**325.1**
Cumulative Beginning August 2016 - September 2019 [B]:	**593.4**	**0.0**	**0.0**	**593.4**	**4,061.5**
Cumulative Beginning May 2016 [A]:	**679.1**	**37.1**	**5.4**	**684.5**	**4,684.1**

Legend / Notes:

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

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

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

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

TABLE 7S
Summary of LNAPL Removal in Well RTF-18-NW - First Quarter 2023
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 2023								

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

Legend / Notes:

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

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

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

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

TABLE 7T
Summary of LNAPL Removal in Well RTF-18-N - First Quarter 2023
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 2023								

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

Legend / Notes:

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

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

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

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

TABLE 7U
Summary of LNAPL Removal in Well TF-18 - First Quarter 2023
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 2023								

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

Legend / Notes:

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

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

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

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

TABLE 7V
Summary of LNAPL Removal in Well RTF-18-NNW - First Quarter 2023
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 2023								

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

Legend / Notes:

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

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

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

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

TABLE 7W
Summary of LNAPL Removal in Well RTF-18-W - First Quarter 2023
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 2023								

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

Legend / Notes:

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

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

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

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

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

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

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

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

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

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

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

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

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

Sample Date	Notes	GWETS Wells On Line	Laboratory Analysis Methods	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	TBA	MTBE	DIPE	ETBE	TAME
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
01/08/19		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	--	<40	**1.4**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.92 J**	<0.50	<0.40	<0.30
02/06/19	9	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**1.4**	<0.30	<0.20	**0.52 J**	<0.30	<7.0	**0.49 J**	<0.50	<0.40	<0.30
01/30/20	10,11	GW-13, GW-15, GW-16	8015B	**790**	--	--	--	--	--	--	--	--	--	--	--
03/11/20	10,11	GW-15, GW-16	8015B & EPA 624	**370**	--	<5.0	<5.0	<5.0	<1.0	<0.5	<10	<0.5	<0.5	<0.5	<0.5
04/22/20		GW-16	8015B	<94	<50	--	--	--	--	--	--	--	--	--	--
05/27/20		GW-16, GMW-31, GW-14R	8015B & EPA 624	**610**	**490**	**46**	<5.0	<5.0	<10	<5.0	<10	<5.0	<5.0	<1.0	<1.0
06/24/20		GW-16, GMW-31, GW-14R	8015B & EPA 624	**850**	**640**	**79**	<5.0	<5.0	<10	<5.0	**12**	**6.4**	<5.0	<1.0	<1.0
07/24/20	12	GW-16, GMW-31, GW-14R	8015B & EPA 624	**1,000**	**150**	**6.2**	<5.0	<5.0	<10	<5.0	**18**	<5.0	<5.0	<1.0	<1.0
11/24/20	12	GW-16, GMW-31, GW-14R	8015B & EPA 624	**430**	**190**	**5.3**	<5.0	<5.0	<10	<5.0	**12**	<5.0	<5.0	<1.0	<1.0
01/28/21	13	GW-16, GMW-31, GW-14R	8015B & EPA 624	**860**	**410**	**34**	<5.0	<5.0	<10	<5.0	**25**	<5.0	<5.0	<1.0	<1.0
02/10/21		GW-16, GMW-31, GW-14R	8015B & EPA 624	**1,500**	**740**	**48**	<5.0	<5.0	<10	<5.0	**30**	**5.2**	<5.0	<1.0	<1.0
05/05/21		GW-16, GMW-31, GW-14R	8015B & EPA 624	**470**	**190**	**8.6**	<5.0	<5.0	<10	<5.0	**14**	<5.0	<5.0	<1.0	<1.0
06/11/21		GW-16, GMW-31, GW-14R	8015B & EPA 624	**540**	**260**	**7.0**	<5.0	<5.0	<10	<5.0	**17**	<5.0	<5.0	<1.0	<1.0
07/09/21		GW-16, GMW-31, GW-14R	8015B & EPA 624	**480**	**250**	**6.2**	<5.0	<5.0	<10	<5.0	**21**	<5.0	<5.0	<1.0	<1.0
08/18/21		GW-16, GMW-31, GW-14R	8015B & EPA 624	**500**	**110**	<5.0	<5.0	<5.0	<10	<5.0	**26**	<5.0	<5.0	<1.0	<1.0
09/27/21		GMW-31, GW-14R	8015B & EPA 624	**800**	**220**	<5.0	<5.0	<5.0	<10	<5.0	**33**	<5.0	<5.0	<1.0	<1.0
10/20/21		GMW-31, GW-14R	8015B & EPA 624	**760**	**140**	<5.0	<5.0	<5.0	<10	<5.0	**36**	<5.0	<5.0	<1.0	<1.0
11/10/21		GW-16, GMW-31, GW-14R	8015B & EPA 624	**550**	<50	<5.0	<5.0	<5.0	<10	<5.0	<10	<5.0	<5.0	<1.0	<1.0
12/07/21		GW-16, GMW-31, GW-14R	8015B & EPA 624	**620**	**120**	<5.0	<5.0	<5.0	<10	<5.0	**39**	<5.0	<5.0	<1.0	<1.0
01/19/22		GW-16, GW-14R	8015B & EPA 624	**830**	**210**	<5.0	<5.0	<5.0	<10	<5.0	**36**	<5.0	<5.0	<1.0	<1.0
02/16/22		GW-16, GW-14R	8015B & EPA 624	**420**	**55**	<5.0	<5.0	<5.0	<10	<5.0	**46**	<5.0	<5.0	<1.0	<1.0
03/09/22		GW-16, GW-14R	8015B & EPA 624	**460**	**67**	<5.0	<5.0	<5.0	<10	<5.0	**42**	<5.0	<5.0	<1.0	<1.0
04/28/22		GW-16, GMW-31, GW-14R	8015B & EPA 624	**490**	<50	<5.0	<5.0	<5.0	<10	<5.0	<10	<5.0	<5.0	<1.0	<1.0
05/11/22		GW-16, GMW-31, GW-14R	8015B & EPA 624	**470**	<50	<5.0	<5.0	<5.0	<10	<5.0	**58**	<5.0	<5.0	<1.0	<1.0

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

Sample Date	Notes	GWETS Wells On Line	Laboratory Analysis Methods	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	TBA	MTBE	DIPE	ETBE	TAME
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
06/16/22		GW-16, GMW-31	8015B & EPA 624	**47**	<50	<5.0	<5.0	<5.0	<10	<5.0	<10	<5.0	<5.0	<1.0	<1.0
09/28/22	14,15	GW-16, GMW-31, GW-14R	8015B & EPA 624	**340**	<50	<5.0	<0.5	<5.0	<10	<5.0	**49**	<5.0	<5.0	<1.0	<1.0
10/26/22		GW-16, GW-14R	8015B & EPA 624	**430**	<50	<5.0	<0.5	<5.0	<10	<5.0	**29**	<5.0	<5.0	<1.0	<1.0
11/29/22		GW-16, GMW-31, GW-14R	8015B & EPA 624	**360**	<50	<5.0	<0.5	<5.0	<10	<5.0	**10**	<5.0	<5.0	<1.0	<1.0
12/21/22		GW-16, GMW-31, GW-14R	8015B & EPA 624	**1,200**	<50	<5.0	<0.5	<5.0	<10	<5.0	<10	<5.0	<5.0	<1.0	<1.0
01/23/23		GW-16, GMW-31, GW-14R	8015B & EPA 624	**610**	<50	<5.0	<0.5	<5.0	<10	<5.0	**16**	<5.0	<5.0	<1.0	<1.0
02/15/23		GW-16, GMW-31, GW-14R	8015B & EPA 624	**730**	**56**	<5.0	<0.5	<5.0	<10	<5.0	**22**	<5.0	<5.0	<1.0	<1.0
03/22/23		GW-16, GMW-31, GW-14R	8015B & EPA 624	**380**	<50	<5.0	<0.5	<5.0	<10	<5.0	**26**	<5.0	<5.0	<1.0	<1.0

Legend / Notes:

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

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

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

1 = GWETS manually shut down.
2 = GWETS restarted on 7/2/14, 1/13/15 and 2/25/15.
3 = GWETS manually shut down on 11/11/14.
4 = GWETS temporarily restarted but left off-line upon departure.
5 = GWETS manually shut down on 4/13/15, 5/6/15, 4/4/16, 9/26/16, 11/7/16, 3/8/17, 4/17/17 and 7/3/17, and restarted on 4/27/15, 5/8/15, 4/28/16, 10/12/16, 11/23/16, 3/15/17, 4/25/17 and 7/17/17, respectively.
6 = GWETS restarted following an automatic shut down on 2/4/17.
7 = GWETS manually shut down on 11/20/17 and largely remained off-line through late May 2018, as well as during July and December 2018, with the exception of a few operational days and/or weeks to collect system removal performance samples following the completion of media change out work, and/or to complete routine groundwater monitoring and sampling work along with system maintenance activities.
8 = GWETS manually shut down from 7/9/18 to 7/12/18 for installation of replacement discharge totalizer, 7/13/18 to 7/16/18 for repairs, and 7/18/18 to 7/20/18 for carbon changeout fieldwork.
9 = GWETS off-line since 2/27/19 pending the completion of an alternative waste discharge evaluation study.
10 = GWETS restarted on October 10, 2019 per the new sewer discharge permit. Sampling will begin January 1, 2020 per the permit requirements.
11 = TPHd and benzene, toluene, and ethylbenzene analyzed for mass extraction purposes only; new Industrial Waste Discharge (IWD) permit has different analytical requiremets than previous stormsewer discharge permit.
12 = GWETS manually shut down on 6/30/20 and largely remained off-line through early January 2021 with the exception of a few operational days and/or weeks to collect system removal performance samples.
13 = GWETS restarted on 1/5/21.
14 = GWETS manually shut down 6/24/22 due to naturally ocurring sludge in extraction wells.
15 = GWETS restarted on 9/9/22 following extensive in-well chemical treatment and installation of new pumps in all extraction wells.

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

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

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

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

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
06/27/18	15	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-19, -20, -22, -24, -26 through -30, -32, -33, -35 through -38 and -40 through -50	--	--	--	--	--	--
07/16/18	15	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-19, -20, -22, -24, -26 through -30, -32, -33, -35 through -38 and -40 through -50	--	--	--	--	--	--
07/30/18	15	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-19, -20, -22, -24, -26 through -30, -32, -33, -35 through -38 and -40 through -50	--	--	--	--	--	--
08/29/18	15	HW-1, HW-5, HW-7, VEW-38, VEW-40, RW-19, -20, -22, -24, -26 through -30, -32, -33, -35 through -38 and -40 through -50	--	--	--	--	--	--
12/03/18	15	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46, -47, -48, -49, -50	--	--	--	--	--	--
01/25/19	15	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46, -47, -48, -49, -50	1,127	--	375	474	--	--
02/12/19	15	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46, -47, -48, -49, -50	1,845	--	696	718	--	--
03/06/19	15	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46, -47, -48, -49, -50	1,309	--	1,115	939	--	--
03/12/19	15,17	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46-, -47, -48, -49, -50	--	--	--	--	--	--
03/20/19	15	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46, -47, -48, -49, -50	591	--	234	730	--	--
03/26/19	15	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46, -47, -48, -49, -50	--	--	--	--	--	--
04/09/19	15,18	HW-1, HW-5, HW-7, RW-1, -4, -5, -9, -10, -11, -14, -18, VEW-40, RW- 22, -24, -26, -27 -28, -29, -35, -40, -44, 30,-32, -33, -36, -37, -41, -42, -43, -46, -47, -48, -49, -50	>15,000	--	1,541	1,725	--	--
11/25/19	19,20	HW-1, HW-5, HW-7, HW-8, HW-9	730	--	501	730	--	1,820
12/16/19		HW-1, HW-5, HW-7, HW-8, HW-9	4,900	--	1,336	1,215	431	1,375
01/15/20		HW-1, HW-5, HW-7, HW-8, HW-9	184	--	6	10	976	22
02/05/20		HW-1, HW-5, HW-7, HW-8, HW-9	371	--	5	124	6	843
02/14/20		HW-1, HW-5, HW-7, HW-8, HW-9	397	--	24	366	4	805
02/18/20		HW-1, HW-5, HW-7, HW-8, HW-9	139	--	4	149	3	530
02/27/20		HW-1, HW-5, HW-7, HW-8, HW-9	155	--	29	21	2	1,192
03/04/20		HW-1, HW-5, HW-7, HW-8, HW-9	2,188	--	611	461	61	774
03/16/20		HW-1, HW-5, HW-7, HW-8, HW-9	1,520	--	241	186	21	4,344
03/24/20		HW-1, HW-5, HW-7, HW-8, HW-9	339	--	57	156	6	2,681

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

Date	Notes	Vapor Extraction System(s) Wells On Line *	Well GRO Concentration (ppmv) / Screen Depth for Horizontal Wells or Interval in Feet Below Grade for Vertical Wells					
			HW-1	HW-3 **	HW-5	HW-7 **	HW-8	HW-9
			25	25	25	25	60	220
04/01/20		HW-1, HW-5, HW-7, HW-8, HW-9	132	--	5	87	4	1,982
04/10/20		HW-1, HW-5, HW-7, HW-8, HW-9	172	--	5	145	0	378
04/15/20		HW-1, HW-5, HW-7, HW-8, HW-9	143	--	4	286	3	768
04/24/20		HW-1, HW-5, HW-7, HW-8, HW-9	83	--	16	337	4	780
05/01/20		HW-1, HW-5, HW-7, HW-8, HW-9	108	--	1	15000+	1	15000+
05/06/20		HW-1, HW-5, HW-7, HW-8, HW-9	99	--	18	15000+	2	15000+
05/15/20		HW-1, HW-5, HW-7, HW-8, HW-9	199	--	8	697	7	1,058
05/28/20		HW-1, HW-5, HW-7, HW-8, HW-9	105	--	5	636	5	1,841
06/03/20		HW-1, HW-5, HW-7, HW-8, HW-9	88	--	3	475	4	968
06/09/20		HW-1, HW-5, HW-7, HW-8, HW-9	73	--	3	399	1	853
06/22/20		HW-1, HW-5, HW-7, HW-8, HW-9	140	--	71	493	3	957
06/23/20	21	HW-1, HW-7, HW-9	--	--	--	--	--	--
07/01/20		HW-1, HW-7, HW-9	165	--	--	615	--	1,867
07/07/20		HW-1, HW-7, HW-9	123	--	--	457	--	1,882
07/17/20		HW-1, HW-7, HW-9	127	--	--	387	--	3,470
07/20/20		HW-1, HW-7, HW-9	127	--	--	339	--	1,893
07/31/20		HW-1, HW-7, HW-9	106	--	--	330	--	211
08/07/20		HW-1, HW-7, HW-9	320	--	--	503	--	929
08/10/20		HW-1, HW-7, HW-9	98	--	--	463	--	2,908
08/17/20		HW-1, HW-7, HW-9	128	--	--	660	--	3,633
08/24/20		HW-1, HW-7, HW-9	141	--	12	615	15	7,848
08/26/20		HW-1, HW-7, HW-9	108	--	--	546	--	2,573
08/31/20		HW-1, HW-7, HW-9	97	--	--	490	--	1,873
09/11/20		HW-1, HW-7, HW-9	86	--	--	439	--	1,502
09/14/20		HW-1, HW-7, HW-9	362	--	--	398	--	3,815
09/24/20		HW-1, HW-7, HW-9	42	--	--	311	--	34
09/28/20		HW-1, HW-7, HW-9	115	--	--	471	--	1,783
10/05/20		HW-1, HW-7, HW-9	122	--	--	400	--	3,011
10/12/20		HW-1, HW-7, HW-9	77	--	--	219	--	1,542
10/19/20		HW-1, HW-7, HW-9	101	--	--	1,791	--	1,771
10/28/20		HW-1, HW-7, HW-9	102	--	--	171	--	69

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

Date	Notes	Vapor Extraction System(s) Wells On Line *	Well GRO Concentration (ppmv) / Screen Depth for Horizontal Wells or Interval in Feet Below Grade for Vertical Wells					
			HW-1	HW-3 **	HW-5	HW-7 **	HW-8	HW-9
			25	25	25	25	60	220
11/5/20		HW-1, HW-7, HW-9	107	--	49	165	124	1,421
11/16/20		HW-1, HW-5, HW-7, HW-9	64	--	25	134	--	964
11/24/20		HW-1, HW-5, HW-7, HW-9	46	--	104	--	--	993
1/15/21		HW-1, HW-9, HW-5, HW-7	48	--	72	56	--	976
2/4/21		HW-1, HW-9, HW-5, HW-7	139	--	77	59	--	421
2/8/21		HW-1, HW-9, HW-5, HW-7	48	--	--	--	--	--
2/24/21		HW-1, HW-9, HW-5, HW-7	43	--	6	35	--	1,287
3/4/21		HW-1, HW-8, HW-9, HW-5, HW-7	48	--	33	295	46	535
3/8/21	22	HW-1, HW-8, HW-9, HW-5, HW-7	48	--	19	231	3	458
3/15/21		HW-1, HW-9, HW-5, HW-7	37	--	48	245	--	1,192
3/24/21		HW-1, HW-9, HW-5, HW-7	43	--	63	73	--	1,274
3/30/21		HW-1, HW-9, HW-5, HW-7	--	--	73	68	--	1,150
4/6/21		HW-1, HW-9, HW-5, HW-7	43	--	49	346	--	592
4/15/21		HW-1, HW-9, HW-5, HW-7	33	--	33	193	--	605
4/19/21		HW-1, HW-9, HW-5, HW-7	71	--	42	--	--	369
4/26/21		HW-1, HW-9, HW-5, HW-7	58	--	61	141	--	456
5/10/21		HW-1, HW-9, HW-5, HW-7	144	--	100	364	--	833
5/19/21		HW-1, HW-9, HW-5, HW-7	61	--	64	104	--	583
5/28/21		HW-1, HW-9, HW-5, HW-7	46	--	15	121	--	675
6/4/21		HW-1, HW-9, HW-5, HW-7	25	--	7	121	--	879
6/16/21		HW-1, HW-9, HW-5, HW-7	70	--	16	101	--	493
6/21/21		HW-1, HW-9, HW-5, HW-7	37	--	14	136	--	727
6/28/21		HW-1, HW-9, HW-5, HW-7	21	--	5	133	--	840
7/7/21		HW-1, HW-9, HW-5, HW-7	79	--	37	153	--	613
7/16/21		HW-1, HW-9, HW-5, HW-7	31	--	21	102	--	448
7/23/21		HW-1, HW-9, HW-5, HW-7	43	--	18	118	--	425
7/28/21		HW-1, HW-9, HW-5, HW-7	49	--	45	137	--	697
8/3/21		HW-1, HW-9, HW-5, HW-7	27	--	24	125	--	515
8/9/21		HW-1, HW-9, HW-5, HW-7	41	--	46	68	--	715
8/18/21		HW-1, HW-9, HW-5, HW-7	22	--	12	102	--	698
8/25/21		HW-1, HW-9, HW-5, HW-7	18	--	20	68	--	479

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

Date	Notes	Vapor Extraction System(s) Wells On Line *	Well GRO Concentration (ppmv) / Screen Depth for Horizontal Wells or Interval in Feet Below Grade for Vertical Wells					
			HW-1	HW-3 **	HW-5	HW-7 **	HW-8	HW-9
			25	25	25	25	60	220
8/31/21		HW-1, HW-9, HW-5, HW-7	13	--	18	46	--	455
9/14/21		HW-1, HW-9, HW-5, HW-7	59	--	54	201	--	710
9/20/21		HW-1, HW-9, HW-5, HW-7	63	--	45	153	--	634
9/27/21		HW-1, HW-9, HW-5, HW-7	22	--	14	92	--	788
10/5/21		HW-1, HW-9, HW-5, HW-7	54	--	29	137	--	663
10/13/21		HW-1, HW-9, HW-5, HW-7	17	--	1	90	--	373
10/18/21		HW-1, HW-9, HW-5, HW-7	38	--	7	121	--	621
10/27/21		HW-1, HW-9, HW-5, HW-7	23	--	26	184	--	463
11/1/21		HW-1, HW-9, HW-5, HW-7	65	--	78	145	--	917
11/9/21		HW-1, HW-9, HW-5, HW-7	26	--	14	130	--	546
11/17/21		HW-1, HW-9, HW-5, HW-7	16	--	3	165	--	427
11/30/21		HW-1, HW-9, HW-5, HW-7	14	--	40	187	--	376
12/6/21		HW-1, HW-9, HW-5, HW-7	18	--	5	151	--	588
12/13/21		HW-1, HW-9, HW-5, HW-7	12	--	3	160	--	831
12/28/21		HW-1, HW-9, HW-5, HW-7	10	--	2	786	--	812
1/6/22		HW-1, HW-9, HW-5, HW-7	29	--	43	17	--	525
1/11/22		HW-1, HW-9, HW-5, HW-7	79	--	75	853	--	425
1/18/22		HW-1, HW-9, HW-5, HW-7	38	--	22	1,373	--	796
1/26/22		HW-1, HW-9, HW-5, HW-7	11	--	12	0	--	535
2/1/22		HW-1, HW-9, HW-5, HW-7	17	--	108	1,414	--	1,130
2/9/22		HW-1, HW-9, HW-5, HW-7	22	--	6	930	--	514
2/15/22		HW-1, HW-9, HW-5, HW-7	55	--	63	802	--	1,082
2/22/22		HW-1, HW-9, HW-5, HW-7	25	--	23	159	--	902
3/1/22		HW-1, HW-9, HW-5, HW-7	22	--	47	168	--	1,050
3/9/22		HW-1, HW-9, HW-5, HW-7	34	--	58	652	--	715
3/15/22		HW-1, HW-9, HW-5, HW-7	44	--	4	84	--	843
3/21/22		HW-1, HW-9, HW-5, HW-7	41	--	4	420	--	381
3/31/22		HW-1, HW-9, HW-5, HW-7	47	--	25	325	--	814
4/6/22		HW-1, HW-9, HW-5, HW-7	32	--	4	550	--	626
4/13/22		HW-1, HW-9, HW-5, HW-7	37	--	13	486	--	568
4/26/22		HW-1, HW-9, HW-5, HW-7	30	--	66	595	--	653

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
5/3/22		HW-1, HW-9, HW-5, HW-7	44	--	57	628	--	483
5/10/22		HW-1, HW-9, HW-5, HW-7	41	--	55	373	--	754
5/17/22		HW-1, HW-9, HW-5, HW-7	32	--	68	973	--	1,281
5/27/22		HW-1, HW-9, HW-5, HW-7	19	--	4	618	--	693
6/3/22		HW-1, HW-9, HW-5, HW-7	22	--	37	1,392	--	860
6/9/22		HW-1, HW-9, HW-5, HW-7	28	--	43	1,275	--	885
6/16/22		HW-1, HW-9, HW-5, HW-7	14	--	55	1,809	--	464
7/1/22		HW-1, HW-9, HW-5, HW-7	20	--	4	1,576	--	672
7/12/22		HW-1, HW-9, HW-5, HW-7	30	--	25	1,303	--	463
7/29/22		HW-1, HW-9, HW-5, HW-7	47	--	62	553	--	386
8/1/22		HW-1, HW-9, HW-5, HW-7	13	--	10	19	--	468
8/8/22		HW-1, HW-9, HW-5, HW-7	12	--	6	53	--	420
8/18/22		HW-1, HW-9, HW-5, HW-7	14	--	11	73	--	526
8/30/22		HW-1, HW-9, HW-5, HW-7	18	--	11	65	--	412
9/7/22		HW-1, HW-9, HW-5, HW-7	9	--	4	95	--	417
9/15/22		HW-1, HW-9, HW-5, HW-7	9	--	28	273	--	>15000
9/16/22		HW-1, HW-9, HW-5, HW-7	--	--	--	--	--	12,400
9/20/22		HW-1, HW-9, HW-5, HW-7	12	--	13	161	--	1,269
9/29/22		HW-1, HW-9, HW-5, HW-7	9	--	19	163	--	385
10/6/22		HW-1, HW-9, HW-5, HW-7	8	--	26	186	--	342
10/11/22		HW-1, HW-9, HW-5, HW-7	19	--	22	--	--	324
11/10/22		HW-1, HW-9, HW-5, HW-7	26	--	2	275	--	281
11/18/22		HW-1, HW-9, HW-5, HW-7	30	--	24	314	--	390
12/1/22		HW-1, HW-9, HW-5, HW-7	27	--	22	337	--	415
12/6/22	23	HW-1, HW-9, HW-5	17	--	23	--	--	303
1/6/23		HW-1, HW-9, HW-5	10	--	2	--	--	1,150
1/20/23	24	HW-1, HW-9, HW-5, HW-7	10	--	16	15,000	--	15,000
1/31/23		HW-1, HW-9, HW-5, HW-7	0	--	0	386	--	284
2/10/23		HW-1, HW-9, HW-5, HW-7	22	--	15	41	--	867
2/17/23		HW-1, HW-9, HW-5, HW-7	--	--	--	--	--	--
2/21/23		HW-1, HW-9, HW-5, HW-7	62	--	17	14	--	2,080

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

Date	Notes	Vapor Extraction System(s) Wells On Line *	Well GRO Concentration (ppmv) / Screen Depth for Horizontal Wells or Interval in Feet Below Grade for Vertical Wells					
			HW-1	HW-3 **	HW-5	HW-7 **	HW-8	HW-9
			25	25	25	25	60	220
3/2/23		HW-1, HW-9, HW-5, HW-7	97	--	99	131	--	1,853
3/9/23		HW-1, HW-9, HW-5, HW-7	43	--	41	160	--	1,231
3/13/23		HW-1, HW-9, HW-5, HW-7	20	--	4	213	--	1,115
3/23/23		HW-1, HW-9, HW-5, HW-7	22	--	31	14	--	382
3/30/23		HW-1, HW-9, HW-5, HW-7	28	--	24	14	--	201

Legend / Notes:

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

Concentrations measured using calibrated field OVA.

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

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

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

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

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

Date	Notes	Vapor Extraction System(s) Wells On Line *	Well GRO Concentration (ppmv) / Screen Interval in Feet Below Grade																																
			Truckline #1, VECV #17					Truckline #3, VECV #14					Truckline #3, VECV #15					Truckline #4, VECV #16					Truckline #4, VECV #18					Truckline #5, VECV #19					Truckline #5, VECV #20				
			TFR-21	TFR-26	TFR-27	TFR-28	TFR-34	TF-18	RTF-18-E	RTF-18-W	RTF-18-NW	RTF-18-NNW	TFR-20	TFR-23	TFR-24	TFR-30	TFR-33	TFR-29	TFR-32	TFR-35	TFR-36	TFR-37	TFR-17	TFR-18	TFR-19	TFR-22	TFR-25	TFR-11	TFR-13	TFR-14	TFR-15	TFR-16	TFR-5	TFR-7	TFR-9	TFR-10	TFR-12
			13-33	13-33	13-33	13-33	13-33	13 - 33	13 - 33	13 - 33	13 - 33	13-33	13-33	13-33	13-33	13-33	13-33	13 - 33	12 - 33	13 - 33	13 - 33	13 - 33	14 - 33	15 - 33	16 - 33	17 - 33	18 - 33	13 - 33	13 - 33	14 - 33	15 - 33	13 - 33	13 - 33	13 - 33	13 - 33	13 - 33	14 - 33
03/05/21		(TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12).	3,934	1,544	848	874	302	676	3,860	4,010	746	3,828	30	66	16,240	708	912	12,440	--	--	--	--	2,258	1,174	4,890	28,750	9,150	--	2,648	270	342	--	--	278	562	--	212
05/13/21		(TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12).	3,858	1,428	778	588	220	668	2,296	1,954	246	1,848	128	154	12,170	786	584	9,220	--	--	--	--	2,040	500	2,552	19,150	5,690	--	2,160	184	316	--	--	38	490	--	70
07/23/21		(TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12).	3,549	1,492	725	656	275	394	1,396	1,106	264	884	8	20	9,570	458	254	7,780	--	--	--	--	1,048	280	2,132	17,140	3,860	--	1,474	110	174	--	--	86	348	--	62
09/16/21		(TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12).	3,625	1,520	796	620	250	205	1,250	335	940	1,628	12	14	7,130	406	205	8,150	--	--	--	--	968	305	2,084	15,850	4,150	--	1,380	155	210	--	--	102	354	--	98
01/21/22		(TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12).	2,544	1,265	710	486	74	306	965	1,336	150	904	54	76	10,520	376	416	6,850	--	--	--	--	654	220	1,455	15,750	4,845	--	1,446	126	34	--	--	40	268	--	200
03/08/22		(TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12).	2,836	1,220	740	520	138	280	1,025	1,122	325	1,406	46	102	9,865	412	315	6,620	--	--	--	--	722	265	2,130	15,750	4,260	--	1,122	178	126	--	--	88	244	--	266
08/15/22		(TFR-21, TFR-26, TFR-27, TFR-28, TFR-34), (TF-18, RTF-18-E, RTF-18-W, RTF-18-NW, RTF-18-NNW), (TFR-20, TFR-23, TFR-24, TFR-30, TFR-33), (TFR-29), (TFR-17, TFR-18, TFR-19, TFR-22, TFR-25), (TFR-13, TFR-14, TFR-15), (TFR-7, TFR-9, TFR-12).	2,734	688	376	404	92	76	1,234	1,894	342	716	0	2	224	94	9,330	6,160	--	--	--	--	310	94	214	12,150	3,170	--	386	68	56	--	--	24	128	--	94

Legend / Notes:

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

Concentrations measured using calibrated field OVA.

1 = Wells RW-35 through RW-38, and RW47 through RW-50 tied into thermal oxidizer VES during late June 2018 following installation per SGI's July 2018 *Well Installation Completion Report.*
2 = See Tables 9A, 9C and 9D for applicable HW, VEW and RW on line well field vapor readings.
3 = New Thermal Oxidizer system startup on 3/13/19.
4 = Closed wells were opened to check for rebound concentrations.

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

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

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

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

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

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

Date	Notes	Vapor Extraction System(s) Wells On Line *	Well GRO Concentration (ppmv) / Screen Interval in Feet Below Grade																								
			Truckline #1, VECV #1					Truckline #1, VECV #2					Truckline #1, VECV #3					Truckline #1, VECV #4				Truckline #1, VECV #5				
			RW-1	RW-6	RW-15	RW-16	RW-17	VEW-32	VEW-37	RW-2	RW-7	RW-11	VEW-33	VEW-36	RW-8	RW-12	RW-18	VEW-34	VEW-35	RW-13	RW-14	RW-3	RW-4	RW-5	RW-9	RW-10
			15 - 35	17 - 37	18 - 38	14 - 34	19 - 39	10 - 25	10 - 25	13 - 33	17 - 37	16 - 36	10 - 25	10 - 25	18.5 - 38.5	14 - 34	18 - 38	10 - 25	10 - 25	15 - 35	14 - 34	17 - 37	14 - 34	14 - 34	15 - 35	14 - 34
12/03/19	7	(RW-1), (RW-13, RW-14), (RW-4, RW-5, RW-9, RW-10)	4	2	2	--	--	--	--	2	434	--	--	--	--	--	--	10	6	226	124	--	28	--	116	146
01/08/20		(RW-1), (RW-7), (RW-13, RW-14), (RW-4, RW-9, RW-10)	1,050	--	--	--	--	--	--	--	466	--	--	--	--	--	--	--	--	630	184	--	360	--	1,720	900
03/02/20	7	(RW-1), (RW-2, RW-7), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10)	1,156	--	--	--	--	--	2	1,370	262	--	--	2	1,024	2	14	2	2	88	128	46	202	8	836	746
04/30/20		(RW-1), (RW-2, RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10)	694	--	--	--	--	--	--	10	84	--	--	--	514	--	--	--	--	110	164	148	188	--	2,158	710
05/21/20		(RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10)	794	--	--	--	--	--	--	--	56	--	--	--	245	--	--	--	--	135	98	108	164	--	1,530	620
09/29/20	7	(RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10)	704	8	4	--	--	--	--	--	10	--	--	--	38	--	2	4	2	102	--	62	112	--	780	350
10/27/20		(RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10)	834	--	--	--	--	--	--	--	36	--	--	--	60	--	--	--	--	1,262	0	108	140	--	1,028	274
01/21/21	7	(RW-1), (RW-7), (RW-8), (RW-13, RW-14), (RW-3, RW-4, RW-9, RW-10)	604	4	0	0	0	0	0	0	40	0	0	0	116	0	6	0	0	1,676	4	6	140	2	2,086	28
03/05/21		(RW-1), (RW-7), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10)	740	--	--	--	--	--	--	--	6	--	--	--	46	--	--	--	--	442	--	22	160	--	1,660	142
04/27/21		(RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10)	702	--	--	--	--	--	--	--	--	--	--	--	16	--	--	--	--	308	--	60	114	--	1,650	76
07/22/21		(RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10)	652	--	--	--	--	--	--	--	--	--	--	--	27	--	--	--	--	206	--	40	206	--	995	42
09/02/21		(RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10)	722	--	--	--	--	--	--	--	--	--	--	--	19	--	--	--	--	272	--	55	187	--	1,121	36
01/14/22		(RW-1), (RW-8), (RW-13), (RW-3, RW-4, RW-9, RW-10)	514	--	--	--	--	--	--	--	--	--	--	--	34	--	--	--	--	64	--	34	130	--	1,200	28
03/11/22		(RW-1), (RW-13), (RW-3, RW-4, RW-9, RW-10)	424	--	--	--	--	--	--	--	--	--	--	--	4	--	--	--	--	44	--	30	90	--	968	26
08/17/22		(RW-1), (RW-13), (RW-3, RW-4, RW-9, RW-10)	190	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22	--	2	10	--	646	24

Legend / Notes:

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

Concentrations measured using calibrated field OVA.

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

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

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

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

Date	Notes	Vapor Extraction System(s) Wells On Line *	Well GRO Concentration (ppmv) / Screen Interval in Feet Below Grade																																			
			Truckline #2, VECV #6		Trunkline #2, VECV #7					Trunkline #2, VECV #8				Trunkline #2, VECV #9					Trunkline #2, VECV #10					Trunkline #2, VECV #11					Trunkline #2, VECV #12					Trunkline #2, VECV #13			
			RW-21	RW-23	VEW-39	RW-30	RW-31	RW-32	RW-34	VEW-38	VEW-40	RW-26	RW-28	RW-24	RW-25	RW-27	RW-33	RW-43	RW-19	RW-20	RW-22	RW-29	RW-45	RW-35	RW-38	RW-39	RW-40	RW-44	RW-36	RW-37	RW-41	RW-42	RW-46	RW-47	RW-48	RW-49	RW-50
			13 - 33	13 - 33	13 33	13 - 33	13 - 33	13 - 33	13 - 33	13 33	13 - 33	13 - 33	13 - 33	13 33	13 - 33	14 - 33	15 - 33	13 - 33	13 33	13 - 33	13 - 33	15 - 33	13 - 33	13 33	13 - 33	13 - 33	15 - 33	13 - 33	13 33	13 - 33	13 - 33	15 - 33	13 - 33	13 33	13 - 33	15 - 33	13 - 33
09/02/21		(RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	--	--	--	210	--	--	--	2	725	71	586	--	--	--	55	--	--	--	--	--	--	8	--	--	75	--	136	78	726	351	--	62	54	8	65
10/06/22	7	(RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	0	10	4	160	4	8	12	2	554	30	318	2	0	0	52	0	0	0	0	0	2	28	0	0	74	8	130	102	716	264	10	--	--	--	--
01/13/22		(RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	--	--	--	160	--	--	--	44	674	140	680	--	--	--	78	--	--	--	--	--	--	95	--	--	72	--	104	454	706	212	--	30	6	0	48
03/01/22		(RW-30), (VEW-38, VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	--	--	--	155	--	--	--	35	586	105	706	--	--	--	66	--	--	--	--	--	--	43	--	--	75	--	115	95	690	275	--	42	21	2	55
08/04/22		(RW-30), (VEW-40, RW-26, RW-28), (RW-33), (RW-35, RW-40), (RW-36, RW-37, RW-41, RW-42), (RW-47, RW-48, RW-49, RW-50)	--	--	--	122	--	--	--	--	440	40	200	--	--	--	82	--	--	--	--	--	--	10	--	--	48	--	70	142	598	336	--	68	12	4	70

Legend / Notes:

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

Concentrations measured using calibrated field OVA.

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

* = Carbon VES only through 2017 and also includes thermal oxidizer VES wells online after 2017.

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

Well ID	Sample Date	Notes	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		Benzene		Toluene		Ethylbenzene		o-Xylene		m,p-Xylenes		MTBE	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
	07/09/14	1		**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
HW-1	11/25/19			**730**	**200**	**820**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	02/18/20			**139**	**24**	**98**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	05/15/20			**199**	**24**	**100**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	08/24/20			**141**	**12**	**50**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	11/05/20			**107**	**8.3**	**34**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	02/24/21			**43**	**8.3**	**34**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	07/07/21			**79**	**17**	**68**	<0.16	<0.5	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	10/18/21			**38**	**14**	**58**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.28	<1.0
	01/18/22			**38**	**6.4**	**26**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.28	<1.0
	05/10/22		8015 & 8260B	**41**	**6.8**	**28**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.28	<1.0
	08/08/22			**12**	<4.9	<20	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.28	<1.0
	11/10/22			**26**	**5.4**	**22**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.28	<1.0
	02/21/23			**62**	<4.9	<20	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.28	<1.0
	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
HW-3 *	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
	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
HW-5	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

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

Well ID	Sample Date	Notes	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		Benzene		Toluene		Ethylbenzene		o-Xylene		m,p-Xylenes		MTBE	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
HW-5	11/25/19		8015 & 8260B	**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			**4.0**	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	05/15/20			**7.5**	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	08/24/20			**12**	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	11/05/20			**49**	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	02/24/21			**5.7**	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	07/07/21			**37**	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	10/18/21			**7.0**	<4.9	<20	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.28	<1.0
	01/18/22			**22**	<4.9	<20	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.28	<1.0
	05/10/22			**55**	<4.9	<20	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.28	<1.0
	08/08/22			**5.7**	<4.9	<20	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.28	<1.0
	11/10/22			**1.7**	<4.9	<20	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.28	<1.0
	02/21/23			**17**	<4.9	<20	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.28	<1.0
HW-7 *	07/09/14	1		**4,176**	**2,055**	**8,400**	**3.1**	**10**	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	10/23/14			**2.0**	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	04/27/15			**810**	**590**	**2,400**	**3.4**	**11**	**0.69**	**2.6**	**0.32**	**1.4**	**0.20**	**0.88**	**1.2**	**5.0**	<0.55	<2.0
	08/10/15			**732**	**950**	**3,900**	**6.3**	**20**	**0.34**	**1.3**	**0.64**	**2.8**	**0.30**	**1.3**	**2.3**	**10**	<0.55	<2.0
	02/08/16			**240**	**190**	**780**	**1.2**	**3.8**	**0.37**	**1.4**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	04/06/16			**220**	**170**	**710**	**1.4**	**4.4**	**0.53**	**2.0**	<0.12	<0.50	<0.12	<0.50	**0.28**	**1.2**	<0.55	<2.0
	08/08/16			**230**	**170**	**710**	**2.0**	**6.5**	**0.56**	**2.1**	<0.12	<0.50	<0.12	<0.50	**0.32**	**1.4**	<0.55	<2.0
	01/18/17	2		**200**	**110**	**370**	**2.0**	**6.5**	**0.82**	**3.1**	**0.12**	**0.52**	**0.12**	**0.51**	**0.35**	**1.5**	<0.55	<2.0
	05/03/17			**260**	**240**	**1,000**	**2.1**	**6.6**	**1.2**	**4.6**	**0.15**	**0.64**	**0.15**	**0.66**	**0.51**	**2.2**	<0.55	<2.0
	11/02/17			**334**	**210**	**860**	**2.3**	**7.4**	**1.2**	**4.4**	**0.18**	**0.78**	**0.16**	**0.68**	**0.51**	**2.2**	<0.55	<2.0
	02/12/18			**290**	**230**	**960**	**1.3**	**4.0**	**0.48**	**1.8**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	03/28/18			**270**	**190**	**760**	**0.59**	**1.9**	**0.21**	**0.79**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/06/18			**--**	**210**	**840**	**1.30**	**4.2**	**0.80**	**3.00**	**0.12**	**0.53**	**0**	**1**	**0**	**2**	<0.55	<2.0
	02/12/19			**696**	**240**	**1,000**	**2.30**	**7.2**	**0.88**	**3.30**	**0.14**	**0.60**	**0**	**1**	**0**	**2**	<0.55	<2.0
	11/25/19			**730**	**240**	**1,000**	**0.53**	**1.7**	**0.42**	**1.60**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	02/18/20			**149**	**16**	**64**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	05/15/20			**697**	**190**	**760**	**0.81**	**2.6**	**0.69**	**2.6**	<0.12	<0.50	**0.12**	**0.54**	**0.28**	**1.2**	<0.55	<2.0
	08/24/20			**615**	**130**	**540**	**0.88**	**2.8**	**0.45**	**1.70**	<0.12	<0.50	<0.12	<0.50	**0.28**	**1.2**	<0.55	<2.0
	11/05/20			**165**	**18**	**72**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	02/24/21			**35**	**6.6**	**27**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	07/07/21			**153**	**34**	**140**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	10/18/21			**121**	**29**	**120**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.28	<1.0
	01/18/22			**1,373**	**460**	**1,900**	<0.078	<0.25	**0.069**	**0.26**	<0.058	<0.25	**0.090**	**0.39**	**0.12**	**0.52**	<0.28	<1.0
	05/10/22			**373**	**160**	**640**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.28	<1.0
	08/08/22			**53**	**78**	**320**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.28	<1.0
	11/10/22			**275**	**100**	**420**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.28	<1.0
	02/21/23			**14**	<4.9	<20	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.28	<1.0
HW-8	11/25/19	8		**--**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/18/20			**3**	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	05/15/20			**7**	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0

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-8	08/24/20		8015 & 8260B	**15**	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	11/05/20			**124**	<4.9	<20	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
HW-9	11/25/19	8		**1,820**	**390**	**1,600**	<0.16	<0.5	<0.13	<0.50	**0.25**	**1.1**	**0.35**	**1.50**	**0.94**	**4.10**	<0.55	<2.0
	02/18/20			**530**	**320**	**1,300**	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	05/15/20			**1,058**	**510**	**2,100**	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	08/24/20			**7,848**	**560**	**2,300**	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	11/05/20			**1,421**	**340**	**1,400**	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	02/24/21			**1,287**	**320**	**1,300**	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	07/07/21			**613**	**160**	**670**	<0.16	<0.50	<0.13	<0.5	<0.12	<0.5	<0.12	<0.5	<0.23	<1.0	<0.55	<2.0
	10/18/21			**621**	**180**	**740**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	**0.12**	**0.53**	<0.28	<1.0
	01/18/22			**796**	**210**	**840**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.28	<1.0
	05/10/22			**754**	**190**	**790**	<0.078	<0.25	<0.066	<0.25	**0.092**	**0.40**	<0.058	<0.25	**0.16**	**0.70**	<0.28	<1.0
	08/08/22			**420**	**190**	**770**	<0.078	<0.25	<0.066	<0.25	**0.064**	**0.28**	<0.058	<0.25	**0.14**	**0.60**	<0.28	<1.0
	11/10/22			**281**	**110**	**470**	<0.078	<0.25	<0.066	<0.25	**0.060**	**0.26**	<0.058	<0.25	**0.12**	**0.52**	<0.28	<1.0
	02/21/23			**2,080**	**10**	**41**	<0.078	<0.25	<0.066	<0.25	<0.058	<0.25	<0.058	<0.25	<0.12	<0.5	<0.28	<1.0
VEW-32	07/09/14	1		**154**	**132**	**540**	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	10/23/14			**191**	**19**	**76**	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	04/27/15			**210**	**320**	**1,300**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			**456**	**460**	**1,900**	**0.66**	**2.1**	<0.13	<0.50	**0.23**	**1.0**	<0.12	<0.50	**0.46**	**2.0**	<0.55	<2.0
	02/08/16			**160**	**130**	**550**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	04/06/16			**60**	**17**	**68**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/17			**9.0**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-33	07/09/14	1		**10**	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	10/23/14			**22**	**6.6**	**27**	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	04/27/15			**324**	**270**	**1,100**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			**334**	**290**	**1,200**	**0.50**	**1.6**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	**0.32**	**1.4**	<0.55	<2.0
	02/08/16			**220**	**270**	**1,100**	**0.38**	**1.2**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	04/06/16			**380**	**340**	**1,400**	**0.50**	**1.6**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	**0.25**	**1.1**	<0.55	<2.0
	06/27/17			**5.8**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-34	07/09/14	1		**4.2**	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	10/23/14			**8.0**	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	04/27/15			**115**	**44**	**180**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			**63**	**14**	**57**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/17			**7.0**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-35	07/09/14	1		**5.5**	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	10/23/14			**28**	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	04/27/15			**4.8**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			**16.4**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/17			**4.5**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-36	07/09/14	1		**6.4**	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	10/23/14			**9.1**	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	04/27/15			**5.7**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			**2.2**	**8.1**	**33**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0

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-36	06/27/17		8015 & 8260B	**6.7**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-37	07/09/14	1		**20**	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	10/23/14			**151**	<4.9	<20	<0.2	<0.5	<0.1	<0.5	<0.1	<0.5	<0.1	<0.5	<0.2	<1.0	<0.6	<2.0
	04/27/15			**2.4**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			**3.9**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/17			**5.7**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-38	06/27/17	3		**331**	**37**	**150**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	07/27/17			**--**	**490**	**2,000**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	09/07/17			**480**	**440**	**1,800**	<0.16	<0.50	<0.13	<0.50	**0.17**	**0.74**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/18	4		**51**	**8.3**	**34**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-39	06/27/17	3		**130**	**37**	**150**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	07/27/17			**--**	**1,100**	**4,300**	**0.41**	**1.3**	<0.13	<0.50	**0.78**	**3.4**	<0.12	<0.50	**0.62**	**2.7**	<0.55	<2.0
	09/07/17			**190**	**29**	**120**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-40	06/27/17	3		**3,018**	**2,700**	**11,000**	**0.28**	**0.88**	<0.13	<0.50	**0.99**	**4.3**	<0.12	<0.50	**0.81**	**3.5**	<0.55	<2.0
	07/27/17			**--**	**8,800**	**36,000**	**1.4**	**4.4**	<0.13	<0.50	**8.5**	**37**	**0.23**	**1.0**	**5.3**	**23**	<0.55	<2.0
	09/07/17			**9,200**	**7,600**	**31,000**	**0.97**	**3.1**	<0.13	<0.50	**3.7**	**16**	**0.25**	**1.1**	**2.2**	**9.0**	<0.55	<2.0
	06/27/18	4		**5,100**	**2,900**	**12,000**	<0.78	<2.5	<0.78	<2.5	**0.78**	**3.4**	<0.58	<2.5	<1.2	<5.0	<2.8	<10
RW-1	08/09/17	5		**1,268**	**1,100**	**4,400**	**1.7**	**5.4**	**3.7**	**14**	**0.85**	**3.7**	**0.55**	**2.4**	**2.5**	**11**	<0.55	<2.0
	09/07/17			**3,860**	**2,300**	**9,600**	**6.3**	**20**	**16**	**60**	**2.8**	**12**	**2.0**	**8.9**	**7.4**	**32**	<0.55	<2.0
RW-2	08/09/17	5		**16**	**39**	**160**	**0.19**	**0.61**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	03/14/18			**31**	**22**	**92**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-3	03/14/18	6		**68**	**37**	**150**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-4	03/14/18	6		**598**	**460**	**1,900**	**1.8**	**5.9**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-5	03/14/18	6		**4,600**	**2,900**	**12,000**	**1.7**	**5.5**	<0.13	<0.50	**0.78**	**3.4**	**0.18**	**0.76**	**2.5**	**11**	<0.55	<2.0
RW-7	08/09/17	5		**120**	**320**	**1,300**	<0.16	<0.50	**0.14**	**0.53**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	03/14/18			**54**	**64**	**260**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-9	08/09/17	5		**1,164**	**1,100**	**4,500**	**0.44**	**1.4**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	09/07/17			**320**	**240**	**1,000**	**0.75**	**2.4**	<0.13	<0.50	**0.19**	**0.83**	<0.12	<0.50	**0.41**	**1.8**	<0.55	<2.0
	03/14/18			**2,824**	**2,000**	**8,100**	**18**	**59**	<0.13	<0.50	**5.1**	**22**	**3.0**	**13**	**9.4**	**41**	<0.55	<2.0
RW-10	03/14/18	6		**>10,000**	**14,000**	**58,000**	**14**	**45**	<0.13	<0.50	**0.69**	**3.0**	**0.53**	**2.3**	**5.8**	**25**	<0.55	<2.0
RW-11	03/14/18	6		**420**	**230**	**950**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-12	08/09/17	5		**76**	**100**	**420**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	03/14/18			**5.5**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-13	08/09/17	5		**2,440**	**1,800**	**7,400**	**1.6**	**5.0**	<0.13	<0.50	**0.22**	**0.95**	**0.28**	**1.2**	**1.7**	**7.4**	<0.55	<2.0
	09/07/17			**2,870**	**1,800**	**7,400**	**5.9**	**19.0**	<0.13	<0.50	**1.8**	**7.9**	**1.5**	**6.4**	**6.4**	**28**	<0.55	<2.0
	03/14/18			**2,000**	**7,300**	**30,000**	**9.1**	**29**	<0.13	<0.50	**0.64**	**2.8**	**0.46**	**2.0**	**1.8**	**7.6**	<0.55	<2.0
RW-14	03/14/18	6		**1,235**	**950**	**3,900**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
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

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-20	06/27/18	4	8015 & 8260B	**42**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-21	08/09/17	5		**160**	**95**	**390**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/18	4		**55**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-22	08/16/17	5		**1,775**	**1,600**	**6,700**	**0.38**	**1.2**	<0.13	<0.50	**3.2**	**14**	**0.20**	**0.88**	**4.6**	**20**	<0.55	<2.0
	09/07/17			**1,379**	**1,200**	**5,000**	**0.44**	**1.4**	<0.13	<0.50	**2.2**	**9.5**	**0.48**	**2.1**	**3.2**	**14**	<0.55	<2.0
	06/27/18	4		**2,595**	**1,200**	**4,800**	<0.78	<2.5	<0.66	<2.5	<0.58	<2.5	<0.58	<2.5	<1.2	<5.0	<2.8	<10
RW-23	08/09/17	5		**787**	**660**	**2,700**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	09/07/17			**141**	**83**	**340**	<0.16	<0.50	<0.13	<0.50	**0.25**	**1.1**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-24	08/16/17	5		**1,525**	**1,400**	**5,900**	<0.16	<0.50	<0.13	<0.50	**0.19**	**0.82**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	09/07/17			**1,423**	**930**	**3,800**	<0.16	<0.50	<0.13	<0.50	**0.37**	**1.6**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/18	4		**459**	**98**	**400**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-25	06/27/18	4		**89**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-26	08/09/17	5		**4,340**	**7,100**	**29,000**	**0.23**	**0.75**	<0.13	<0.50	**0.94**	**4.1**	<0.12	<0.50	**0.35**	**1.5**	<0.55	<2.0
	09/07/17			**3,290**	**3,200**	**13,000**	<0.16	<0.50	<0.13	<0.50	**0.88**	**3.8**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/18	4		**1,821**	**710**	**2,900**	<0.78	<2.5	<0.66	<2.5	<0.58	<2.5	<0.58	<2.5	<1.2	<5.0	<2.8	<10
RW-27	06/27/18	4		**1,215**	**420**	**1,700**	<0.31	<1.0	<0.27	<1.0	<0.23	<1.0	<0.23	<1.0	<0.46	<2.0	<1.1	<4.0
RW-28	08/09/17	5		**8,420**	**7,600**	**31,000**	**2.4**	**7.6**	<0.13	<0.50	**9.4**	**41**	**0.28**	**1.2**	**3.7**	**16**	<0.55	<2.0
	09/07/17			**8,080**	**7,300**	**30,000**	**1.7**	**5.5**	<0.13	<0.50	**8.1**	**35**	**0.25**	**1.1**	**3.0**	**13**	<0.55	<2.0
	06/27/18	4		**5,000**	**4,200**	**17,000**	<0.78	<2.5	<0.66	<2.5	**2.3**	**10**	<0.58	<2.5	**1.9**	**8.2**	<2.8	<10
RW-29	08/09/17	5		**620**	**640**	**2,600**	**0.16**	**0.52**	<0.13	<0.50	**0.17**	**0.75**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	09/07/17			**1,123**	**930**	**3,800**	**0.17**	**0.54**	<0.13	<0.50	**0.13**	**0.56**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/18	4		**2,563**	**780**	**3,200**	<0.78	<2.5	<0.66	<2.5	<0.58	<2.5	<0.58	<2.5	<1.2	<5.0	<2.8	<10
RW-30	08/09/17	5		**6,550**	**12,000**	**50,000**	**0.85**	**2.7**	<0.13	<0.50	**17**	**72**	<0.12	<0.50	**0.81**	**3.5**	<0.55	<2.0
	09/07/17			**8,240**	**3,200**	**13,000**	<0.16	<0.50	<0.13	<0.50	**6.9**	**30**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/18	4		**32**	**13**	**54**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-31	08/09/17	5		**7,165**	**6,800**	**28,000**	**1.2**	**3.9**	**0.20**	**0.76**	**3.2**	**14**	**1.6**	**7.1**	**3.7**	**16**	<0.55	<2.0
	09/07/17			**3,400**	**2,900**	**12,000**	**0.4**	**1.4**	<0.13	<0.50	**3.0**	**13**	**1.1**	**4.9**	**2.3**	**10**	<0.55	<2.0
	06/27/18	4		**80**	**12**	**51**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-32	08/16/17	5		**820**	**880**	**3,600**	<0.16	<0.50	<0.13	<0.50	**0.78**	**3.4**	<0.12	<0.50	**0.28**	**1.2**	<0.55	<2.0
	09/07/17			**715**	**810**	**3,300**	**0.17**	**0.54**	<0.13	<0.50	**0.55**	**2.4**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/18	4		**421**	**66**	**270**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-33	08/16/17	5		**1,230**	**860**	**3,500**	<0.16	<0.50	<0.13	<0.50	**0.44**	**1.9**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	09/07/17			**836**	**640**	**2,600**	<0.16	<0.50	<0.13	<0.50	**0.35**	**1.5**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/18	4		**843**	**210**	**840**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-34	06/27/18	4		**46**	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-35	06/27/18	4		**416**	**83**	**340**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-36	06/27/18	4		**452**	**440**	**1,800**	<0.78	<2.5	<0.66	<2.5	<0.58	<2.5	<0.58	<2.5	<1.2	<5.0	<2.8	<10
RW-37	06/27/18	4		**1,509**	**210**	**850**	<0.31	<1.0	<0.27	<1.0	<0.23	<1.0	<0.23	<1.0	<0.46	<2.0	<1.1	<4.0
RW-38	06/27/18	4		**134**	**24**	**100**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
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

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-43	06/27/18	4	8015 & 8260B	**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)
01/01/23	Offline		25,801.3	--	--	--	--	--	--	--
01/02/23	Offline		25,801.3	--	--	--	--	--	--	--
01/03/23	Offline		25,801.3	--	--	--	--	--	--	--
01/04/23	Offline		25,801.3	--	--	--	--	--	--	--
01/05/23	Offline		25,801.3	--	--	--	--	--	--	--
01/06/23	Offline		25,801.3	--	--	--	--	--	--	--
01/07/23	Offline		25,801.3	--	--	--	--	--	--	--
01/08/23	Offline		25,801.3	--	--	--	--	--	--	--
01/09/23	Offline		25,801.3	--	--	--	--	--	--	--
01/10/23	Offline		25,801.3	--	--	--	--	--	--	--
01/11/23	Offline		25,801.3	--	--	--	--	--	--	--
01/12/23	Offline		25,801.3	--	--	--	--	--	--	--
01/13/23	Offline		25,801.3	--	--	--	--	--	--	--
01/14/23	Offline		25,801.3	--	--	--	--	--	--	--
01/15/23	Offline		25,801.3	--	--	--	--	--	--	--
01/16/23	Offline		25,801.3	--	--	--	--	--	--	--
01/17/23	Offline		25,801.3	--	--	--	--	--	--	--
01/18/23	Offline		25,801.3	--	--	--	--	--	--	--
01/19/23	Offline		25,801.3	--	--	--	--	--	--	--
01/20/23	Offline		25,801.3	--	--	--	--	--	--	--
01/21/23	Offline		25,801.3	--	--	--	--	--	--	--
01/22/23	Offline		25,801.3	--	--	--	--	--	--	--
01/23/23	Offline		25,801.3	--	--	--	--	--	--	--
01/24/23	Offline		25,801.3	--	--	--	--	--	--	--
01/25/23	Offline		25,801.3	--	--	--	--	--	--	--
01/26/23	Offline		25,801.3	--	--	--	--	--	--	--
01/27/23	Offline		25,801.3	--	--	--	--	--	--	--
01/28/23	Offline		25,801.3	--	--	--	--	--	--	--
01/29/23	Offline		25,801.3	--	--	--	--	--	--	--
01/30/23	Offline		25,801.3	--	--	--	--	--	--	--
01/31/23	Offline		25,801.3	--	--	--	--	--	--	--

Legend / Notes:

Biosparge system offline during the First Quarter 2023.

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)
02/01/23	Offline		25,801.3	--	--	--	--	--	--	--
02/02/23	Offline		25,801.3	--	--	--	--	--	--	--
02/03/23	Offline		25,801.3	--	--	--	--	--	--	--
02/04/23	Offline		25,801.3	--	--	--	--	--	--	--
02/05/23	Offline		25,801.3	--	--	--	--	--	--	--
02/06/23	Offline		25,801.3	--	--	--	--	--	--	--
02/07/23	Offline		25,801.3	--	--	--	--	--	--	--
02/08/23	Offline		25,801.3	--	--	--	--	--	--	--
02/09/23	Offline		25,801.3	--	--	--	--	--	--	--
02/10/23	Offline		25,801.3	--	--	--	--	--	--	--
02/11/23	Offline		25,801.3	--	--	--	--	--	--	--
02/12/23	Offline		25,801.3	--	--	--	--	--	--	--
02/13/23	Offline		25,801.3	--	--	--	--	--	--	--
02/14/23	Offline		25,801.3	--	--	--	--	--	--	--
02/15/23	Offline		25,801.3	--	--	--	--	--	--	--
02/16/23	Offline		25,801.3	--	--	--	--	--	--	--
02/17/23	Offline		25,801.3	--	--	--	--	--	--	--
02/18/23	Offline		25,801.3	--	--	--	--	--	--	--
02/19/23	Offline		25,801.3	--	--	--	--	--	--	--
02/20/23	Offline		25,801.3	--	--	--	--	--	--	--
02/21/23	Offline		25,801.3	--	--	--	--	--	--	--
02/22/23	Offline		25,801.3	--	--	--	--	--	--	--
02/23/23	Offline		25,801.3	--	--	--	--	--	--	--
02/24/23	Offline		25,801.3	--	--	--	--	--	--	--
02/25/23	Offline		25,801.3	--	--	--	--	--	--	--
02/26/23	Offline		25,801.3	--	--	--	--	--	--	--
02/27/23	Offline		25,801.3	--	--	--	--	--	--	--
02/28/23	Offline		25,801.3	--	--	--	--	--	--	--

Legend / Notes:

Biosparge system offline during the First Quarter 2023.

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)
03/01/23	Offline		25,801.3	--	--	--	--	--	--	--
03/02/23	Offline		25,801.3	--	--	--	--	--	--	--
03/03/23	Offline		25,801.3	--	--	--	--	--	--	--
03/04/23	Offline		25,801.3	--	--	--	--	--	--	--
03/05/23	Offline		25,801.3	--	--	--	--	--	--	--
03/06/23	Offline		25,801.3	--	--	--	--	--	--	--
03/07/23	Offline		25,801.3	--	--	--	--	--	--	--
03/08/23	Offline		25,801.3	--	--	--	--	--	--	--
03/09/23	Offline		25,801.3	--	--	--	--	--	--	--
03/10/23	Offline		25,801.3	--	--	--	--	--	--	--
03/11/23	Offline		25,801.3	--	--	--	--	--	--	--
03/12/23	Offline		25,801.3	--	--	--	--	--	--	--
03/13/23	Offline		25,801.3	--	--	--	--	--	--	--
03/14/23	Offline		25,801.3	--	--	--	--	--	--	--
03/15/23	Offline		25,801.3	--	--	--	--	--	--	--
03/16/23	Offline		25,801.3	--	--	--	--	--	--	--
03/17/23	Offline		25,801.3	--	--	--	--	--	--	--
03/18/23	Offline		25,801.3	--	--	--	--	--	--	--
03/19/23	Offline		25,801.3	--	--	--	--	--	--	--
03/20/23	Offline		25,801.3	--	--	--	--	--	--	--
03/21/23	Offline		25,801.3	--	--	--	--	--	--	--
03/22/23	Offline		25,801.3	--	--	--	--	--	--	--
03/23/23	Offline		25,801.3	--	--	--	--	--	--	--
03/24/23	Offline		25,801.3	--	--	--	--	--	--	--
03/25/23	Offline		25,801.3	--	--	--	--	--	--	--
03/26/23	Offline		25,801.3	--	--	--	--	--	--	--
03/27/23	Offline		25,801.3	--	--	--	--	--	--	--
03/28/23	Offline		25,801.3	--	--	--	--	--	--	--
03/29/23	Offline		25,801.3	--	--	--	--	--	--	--
03/30/23	Offline		25,801.3	--	--	--	--	--	--	--
03/31/23	Offline		25,801.3	--	--	--	--	--	--	--

Legend / Notes:
Biosparge system offline during the First Quarter 2023.

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

February 14, 2023

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5334852 / 3A31010

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 01/31/23 15:38 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: A5334852
Date Received: 01/31/23
Date Reported: 02/14/23

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES After GAC-1	3A31010-01	Vapor	5	01/31/23 08:30	01/31/23 15:38
VES After GAC-2	3A31010-02	Vapor	5	01/31/23 08:35	01/31/23 15:38
VES Carbon-Influent	3A31010-03	Vapor	5	01/31/23 08:25	01/31/23 15:38
VES Carbon-Effluent	3A31010-04	Vapor	5	01/31/23 08:40	01/31/23 15:38
VOCs Gasoline Range Organics Vapor					
VES After GAC-1	3A31010-01	Vapor	5	01/31/23 08:30	01/31/23 15:38
VES After GAC-2	3A31010-02	Vapor	5	01/31/23 08:35	01/31/23 15:38
VES Carbon-Influent	3A31010-03	Vapor	5	01/31/23 08:25	01/31/23 15:38
VES Carbon-Effluent	3A31010-04	Vapor	5	01/31/23 08:40	01/31/23 15:38
VOCs in Vapor as Hexane					
VES After GAC-1	3A31010-01	Vapor	5	01/31/23 08:30	01/31/23 15:38
VES After GAC-2	3A31010-02	Vapor	5	01/31/23 08:35	01/31/23 15:38
VES Carbon-Influent	3A31010-03	Vapor	5	01/31/23 08:25	01/31/23 15:38
VES Carbon-Effluent	3A31010-04	Vapor	5	01/31/23 08:40	01/31/23 15:38

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334852
Project No:	04-NDLA-013	**Date Received:**	01/31/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/14/23
Matrix:	Vapor	**Sampled:**	01/31/23
Dilution:	0.5	**Prepared:**	02/01/23
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/01/23

VES After GAC-1

3A31010-01 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	96.4 %	70-140
Dibromofluoromethane	95.9 %	70-140
Toluene-d8	93.5 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334852
Project No:	04-NDLA-013	**Date Received:**	01/31/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/14/23
Matrix:	Vapor	**Sampled:**	01/31/23
Dilution:	0.5	**Prepared:**	02/01/23
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/01/23

VES After GAC-2

3A31010-02 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	100 %	70-140
Dibromofluoromethane	97.9 %	70-140
Toluene-d8	97.5 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334852
Project No:	04-NDLA-013	**Date Received:**	01/31/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/14/23
Matrix:	Vapor	**Sampled:**	01/31/23
Dilution:	0.5	**Prepared:**	02/01/23
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/01/23

VES Carbon-Influent

3A31010-03 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	97.6 %	70-140
Dibromofluoromethane	97.9 %	70-140
Toluene-d8	97.2 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334852
Project No:	04-NDLA-013	**Date Received:**	01/31/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/14/23
Matrix:	Vapor	**Sampled:**	01/31/23
Dilution:	0.5	**Prepared:**	02/01/23
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/01/23

VES Carbon-Effluent

3A31010-04 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	99.0 %	70-140
Dibromofluoromethane	93.5 %	70-140
Toluene-d8	97.7 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334852
Project No:	04-NDLA-013	**Date Received:**	01/31/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/14/23
Matrix:	Vapor	**Sampled:**	01/31/23
Dilution:	1	**Prepared:**	02/01/23
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/01/23

VES After GAC-1

3A31010-01 (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	81.1 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334852
Project No:	04-NDLA-013	**Date Received:**	01/31/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/14/23
Matrix:	Vapor	**Sampled:**	01/31/23
Dilution:	1	**Prepared:**	02/01/23
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/01/23

VES After GAC-2

3A31010-02 (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	86.4 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334852
Project No:	04-NDLA-013	**Date Received:**	01/31/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/14/23
Matrix:	Vapor	**Sampled:**	01/31/23
Dilution:	1	**Prepared:**	02/01/23
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/01/23

VES Carbon-Influent

3A31010-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**110**	ug/L	20	**27**	ppmv	4.9

Surrogates	**%REC**	**%REC Limits**
a,a,a-Trifluorotoluene	91.7 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334852
Project No:	04-NDLA-013	**Date Received:**	01/31/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/14/23
Matrix:	Vapor	**Sampled:**	01/31/23
Dilution:	1	**Prepared:**	02/01/23
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/01/23

VES Carbon-Effluent

3A31010-04 (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	83.0 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334852
Date Received: 01/31/23
Date Reported: 02/14/23
Units: ppmv

Date Sampled:	01/31/23	01/31/23	01/31/23	01/31/23	
Date Prepared:	02/01/23	02/01/23	02/01/23	02/01/23	
Date Analyzed:	02/01/23	02/01/23	02/01/23	02/01/23	
AA ID No:	3A31010-01	3A31010-02	3A31010-03	3A31010-04	
Client ID No:	VES After GAC-1	VES After GAC-2	VES Carbon-Influent	VES Carbon-Effluent	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL
VOCs in Vapor as Hexane (EPA 8015M)					
Total VOCs as Hexane	<4.9	<4.9	**25**	<4.9	4.9

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334852
Date Received: 01/31/23
Date Reported: 02/14/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B3B0116 - *** DEFAULT PREP ****										
Blank (B3B0116-BLK1)				Prepared & Analyzed: 02/01/23						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*52.2*		*ug/L*	*50.0*		*104*	*70-140*			
Surrogate: Dibromofluoromethane	*46.2*		*ug/L*	*50.0*		*92.5*	*70-140*			
Surrogate: Toluene-d8	*48.8*		*ug/L*	*50.0*		*97.7*	*70-140*			
LCS (B3B0116-BS1)				Prepared & Analyzed: 02/01/23						
Benzene	**21.9**	0.50	ug/L	20.0		109	75-125			
Ethylbenzene	**21.4**	0.50	ug/L	20.0		107	75-125			
Methyl-tert-Butyl Ether (MTBE)	**35.1**	2.0	ug/L	40.0		87.7	75-125			
Toluene	**20.4**	0.50	ug/L	20.0		102	75-125			
o-Xylene	**23.1**	0.50	ug/L	20.0		116	75-125			
m,p-Xylenes	**44.7**	1.0	ug/L	40.0		112	75-125			
Surrogate: 4-Bromofluorobenzene	*46.6*		*ug/L*	*50.0*		*93.1*	*70-140*			
Surrogate: Dibromofluoromethane	*43.6*		*ug/L*	*50.0*		*87.2*	*70-140*			
Surrogate: Toluene-d8	*46.6*		*ug/L*	*50.0*		*93.1*	*70-140*			
LCS Dup (B3B0116-BSD1)				Prepared & Analyzed: 02/01/23						
Benzene	**21.3**	0.50	ug/L	20.0		107	75-125	2.41	30	
Ethylbenzene	**20.5**	0.50	ug/L	20.0		102	75-125	4.39	30	
Methyl-tert-Butyl Ether (MTBE)	**41.8**	2.0	ug/L	40.0		105	75-125	17.5	30	
Toluene	**20.3**	0.50	ug/L	20.0		101	75-125	0.590	30	
o-Xylene	**21.4**	0.50	ug/L	20.0		107	75-125	7.69	30	
m,p-Xylenes	**42.5**	1.0	ug/L	40.0		106	75-125	5.09	30	
Surrogate: 4-Bromofluorobenzene	*47.0*		*ug/L*	*50.0*		*93.9*	*70-140*			
Surrogate: Dibromofluoromethane	*45.7*		*ug/L*	*50.0*		*91.4*	*70-140*			
Surrogate: Toluene-d8	*46.8*		*ug/L*	*50.0*		*93.6*	*70-140*			
Duplicate (B3B0116-DUP1)				**Source: 3A31010-01** Prepared & Analyzed: 02/01/23						

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: A5334852
Date Received: 01/31/23
Date Reported: 02/14/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B3B0116 - *** DEFAULT PREP ****										
Duplicate (B3B0116-DUP1) Continued			**Source: 3A31010-01**	Prepared & Analyzed: 02/01/23						
Benzene	**<0.25**	0.25	ug/L		<0.25				30	
Ethylbenzene	**<0.25**	0.25	ug/L		<0.25				30	
Methyl-tert-Butyl Ether (MTBE)	**<1.0**	1.0	ug/L		<1.0				30	
Toluene	**<0.25**	0.25	ug/L		<0.25				30	
o-Xylene	**<0.25**	0.25	ug/L		<0.25				30	
m,p-Xylenes	**<0.50**	0.50	ug/L		<0.50				30	
Surrogate: 4-Bromofluorobenzene	*48.7*		*ug/L*	*50.0*		*97.5*	*70-140*			
Surrogate: Dibromofluoromethane	*50.2*		*ug/L*	*50.0*		*100*	*70-140*			
Surrogate: Toluene-d8	*46.9*		*ug/L*	*50.0*		*93.9*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B3B0113 - *** DEFAULT PREP ****										
Blank (B3B0113-BLK1)				Prepared & Analyzed: 02/01/23						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*42.7*		*ug/L*	*50.0*		*85.5*	*70-130*			
LCS (B3B0113-BS1)				Prepared & Analyzed: 02/01/23						
Gasoline Range Organics (GRO)	**465**	20	ug/L	500		93.1	75-125			
Surrogate: a,a,a-Trifluorotoluene	*51.2*		*ug/L*	*50.0*		*102*	*70-130*			
LCS Dup (B3B0113-BSD1)				Prepared & Analyzed: 02/01/23						
Gasoline Range Organics (GRO)	**452**	20	ug/L	500		90.3	75-125	3.02	30	
Surrogate: a,a,a-Trifluorotoluene	*51.2*		*ug/L*	*50.0*		*102*	*70-130*			
Duplicate (B3B0113-DUP1)			**Source: 3A31010-03**	Prepared & Analyzed: 02/01/23						
Gasoline Range Organics (GRO)	**98.2**	20	ug/L		113			14.1	30	
Surrogate: a,a,a-Trifluorotoluene	*44.1*		*ug/L*	*50.0*		*88.2*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B3B0113 - *** DEFAULT PREP ****										
Blank (B3B0113-BLK1)				Prepared & Analyzed: 02/01/23						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B3B0113-DUP1)			**Source: 3A31010-03**	Prepared & Analyzed: 02/01/23						

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: A5334852
Date Received: 01/31/23
Date Reported: 02/14/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B3B0113 - *** DEFAULT PREP ****										
Duplicate (B3B0113-DUP1) Continued	**Source: 3A31010-03**			Prepared & Analyzed: 02/01/23						
Total VOCs as Hexane	**21.4**	4.9	ppmv		24.7			14.1	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334852
Project No:	04-NDLA-013	**Date Received:**	01/31/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/14/23

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

2155

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

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

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B	Special Instructions
						Please enter the TAT Turnaround Codes ** below			
VES After GAC-1	3A31010 -01	1/31/23	0830	Air	1	✓	✓	✓	*VOCs reported as GRO (detection limit = 4.9 ppmv) and *VOCs as Hexane (detection limit = 4.9 ppmv) *Benzene (detection limit = 0.10 ppmv)
VES After GAC-2	-02	1/31/23	0935	Air	1	✓	✓	✓	

PRIORITY
Start Date 2/1/23 Time 0600

'23 JAN 31 15:38

Relinquished by	Date	Time	Received by
Bill Cendron	1/31/23	1215	
Relinquished by	Date	Time	Received by
	1/31/23	15:38	
Relinquished by	Date	Time	Received by

AS334852/3A31010

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 CHAIN-OF-CUSTODY RECORD

26156

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

Client: The Source Group, Inc. **Project Name / No.:** DFSP - Norwalk / 091-NOR-001 **Sampler's Name:** Bill Gordon

Project Manager: Neil Irish **Site Address:** 15306 Norwalk Blvd **Sampler's Signature:** Bill Gordon

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

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

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX//MTBE 8260B	Special Instructions
VES Carbon-Influent	3A31010 -03	1/31/23	0825	Air	1	✓	✓	✓	*VOC's reported as
VES Carbon-Effluent	-04	1/31/23	0840	Air	1	✓	✓	✓	GRO (detection limit
									= 4.9 ppmv) and
									*VOCs as Hexane
									(detection limit =
									4.9 ppmv)
									*Benzene (detection
									limit = 0.10 ppmv)

PRIORITY ✓ 2/1/23 1600

'23 JAN 31 15:38

A5334852 / 3A31010

Relinquished by	Date	Time	Received by
Bill Gordon	1/31/23	12:15	[signature]
[signature]	1/31/23	15:38	[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

March 07, 2023

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5334903 / 3B21015

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 02/21/23 16:31 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334903
Date Received: 02/21/23
Date Reported: 03/07/23

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES Carbon-Influent	3B21015-01	Vapor	5	02/21/23 09:18	02/21/23 13:25
VES Carbon-Effluent	3B21015-02	Vapor	5	02/21/23 09:14	02/21/23 13:25
VOCs Gasoline Range Organics Vapor					
VES Carbon-Influent	3B21015-01	Vapor	5	02/21/23 09:18	02/21/23 13:25
VES Carbon-Effluent	3B21015-02	Vapor	5	02/21/23 09:14	02/21/23 13:25
VOCs in Vapor as Hexane					
VES Carbon-Influent	3B21015-01	Vapor	5	02/21/23 09:18	02/21/23 13:25
VES Carbon-Effluent	3B21015-02	Vapor	5	02/21/23 09:14	02/21/23 13:25

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334903
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	0.5	**Prepared:**	02/22/23
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/22/23

VES Carbon-Influent

3B21015-01 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	89.9 %	70-140
Dibromofluoromethane	123 %	70-140
Toluene-d8	91.5 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334903
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	0.5	**Prepared:**	02/22/23
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/22/23

VES Carbon-Effluent

3B21015-02 (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	98.9 %	70-140
Dibromofluoromethane	116 %	70-140
Toluene-d8	100 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334903
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	1	**Prepared:**	02/22/23
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/22/23

VES Carbon-Influent

3B21015-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**73**	ug/L	20	**18**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	93.1 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334903
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	1	**Prepared:**	02/22/23
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/22/23

VES Carbon-Effluent

3B21015-02 (Vapor)

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

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	89.1 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334903
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	02/21/23	02/21/23	
Date Prepared:	02/22/23	02/22/23	
Date Analyzed:	02/22/23	02/22/23	
AA ID No:	3B21015-01	3B21015-02	
Client ID No:	VES Carbon-Influent	VES Carbon-Effluent	
Matrix:	Vapor	Vapor	
Dilution Factor:	1	1	MRL
VOCs in Vapor as Hexane (EPA 8015M)			
Total VOCs as Hexane	**13**	<4.9	4.9

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334903
Date Received: 02/21/23
Date Reported: 03/07/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B3B2251 - *** DEFAULT PREP ****										
Blank (B3B2251-BLK1)				Prepared & Analyzed: 02/22/23						
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	*49.0*		*ug/L*	*50.0*		*98.0*	*70-140*			
Surrogate: Dibromofluoromethane	*50.6*		*ug/L*	*50.0*		*101*	*70-140*			
Surrogate: Toluene-d8	*51.9*		*ug/L*	*50.0*		*104*	*70-140*			
LCS (B3B2251-BS1)				Prepared & Analyzed: 02/22/23						
Benzene	**20.9**	0.50	ug/L	20.0		105	75-125			
Ethylbenzene	**19.2**	0.50	ug/L	20.0		95.9	75-125			
Methyl-tert-Butyl Ether (MTBE)	**44.5**	2.0	ug/L	40.0		111	75-125			
Toluene	**19.5**	0.50	ug/L	20.0		97.4	75-125			
o-Xylene	**20.8**	0.50	ug/L	20.0		104	75-125			
m,p-Xylenes	**41.0**	1.0	ug/L	40.0		103	75-125			
Surrogate: 4-Bromofluorobenzene	*42.8*		*ug/L*	*50.0*		*85.6*	*70-140*			
Surrogate: Dibromofluoromethane	*47.4*		*ug/L*	*50.0*		*94.8*	*70-140*			
Surrogate: Toluene-d8	*46.0*		*ug/L*	*50.0*		*92.1*	*70-140*			
LCS Dup (B3B2251-BSD1)				Prepared & Analyzed: 02/22/23						
Benzene	**23.4**	0.50	ug/L	20.0		117	75-125	11.0	30	
Ethylbenzene	**22.2**	0.50	ug/L	20.0		111	75-125	14.6	30	
Methyl-tert-Butyl Ether (MTBE)	**32.8**	2.0	ug/L	40.0		82.0	75-125	30.4	30	QR-02
Toluene	**23.2**	0.50	ug/L	20.0		116	75-125	17.2	30	
o-Xylene	**23.6**	0.50	ug/L	20.0		118	75-125	12.2	30	
m,p-Xylenes	**44.7**	1.0	ug/L	40.0		112	75-125	8.65	30	
Surrogate: 4-Bromofluorobenzene	*45.0*		*ug/L*	*50.0*		*90.0*	*70-140*			
Surrogate: Dibromofluoromethane	*51.3*		*ug/L*	*50.0*		*103*	*70-140*			
Surrogate: Toluene-d8	*50.4*		*ug/L*	*50.0*		*101*	*70-140*			
Duplicate (B3B2251-DUP1)				**Source: 3B21015-01** Prepared & Analyzed: 02/22/23						

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: A5334903
Date Received: 02/21/23
Date Reported: 03/07/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B3B2251 - *** DEFAULT PREP ****										
Duplicate (B3B2251-DUP1) Continued			**Source: 3B21015-01**	Prepared & Analyzed: 02/22/23						
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	*44.9*		*ug/L*	*50.0*		*89.9*	*70-140*			
Surrogate: Dibromofluoromethane	*50.2*		*ug/L*	*50.0*		*100*	*70-140*			
Surrogate: Toluene-d8	*50.9*		*ug/L*	*50.0*		*102*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B3B2254 - *** DEFAULT PREP ****										
Blank (B3B2254-BLK1)				Prepared & Analyzed: 02/22/23						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*47.6*		*ug/L*	*50.0*		*95.3*	*70-130*			
LCS (B3B2254-BS1)				Prepared & Analyzed: 02/22/23						
Gasoline Range Organics (GRO)	**464**	20	ug/L	500		92.9	75-125			
Surrogate: a,a,a-Trifluorotoluene	*59.5*		*ug/L*	*50.0*		*119*	*70-130*			
LCS Dup (B3B2254-BSD1)				Prepared & Analyzed: 02/22/23						
Gasoline Range Organics (GRO)	**554**	20	ug/L	500		111	75-125	17.7	30	
Surrogate: a,a,a-Trifluorotoluene	*61.3*		*ug/L*	*50.0*		*123*	*70-130*			
Duplicate (B3B2254-DUP1)			**Source: 3B21015-01**	Prepared & Analyzed: 02/22/23						
Gasoline Range Organics (GRO)	**59.0**	20	ug/L		72.8			20.9	30	
Surrogate: a,a,a-Trifluorotoluene	*42.2*		*ug/L*	*50.0*		*84.4*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B3B2254 - *** DEFAULT PREP ****										
Blank (B3B2254-BLK1)				Prepared & Analyzed: 02/22/23						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B3B2254-DUP1)			**Source: 3B21015-01**	Prepared & Analyzed: 02/22/23						

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: A5334903
Date Received: 02/21/23
Date Reported: 03/07/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B3B2254 - *** DEFAULT PREP ****										
Duplicate (B3B2254-DUP1) Continued	**Source: 3B21015-01**		Prepared & Analyzed: 02/22/23							
Total VOCs as Hexane	**10.9**	4.9	ppmv		13.4			20.9	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334903
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23

Special Notes

[1] = **QR-02** : The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

26277

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

TAT Turnaround Codes **

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

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

Client I.D.	AA I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX//MTBE 8260B	Special Instructions
VES Carbon-Influent	3B21015-01	2-21-23	0918	Air	1	✓	✓	✓	*VOC's reported as GRO (detection limit = 4.9 ppmv) and
VES Carbon-Effluent	-02	"	0914	Air	1	✓	✓	✓	*VOCs as Hexane (detection limit = 4.9 ppmv)
									*Benzene (detection limit = 0.10 ppmv)

PRIORITY Hrs SH ✓
Rush Date 2/22/23 Time 0700

23FEB21 16:31

A5334903/3B21015

Relinquished by	Date	Time	Received by
Glenn Androsko	2-21-23	11:53	[signature]
[signature]	2/21/23	1631	[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

March 07, 2023

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5334905 / 3B21017

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 02/21/23 16:31 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334905
Date Received: 02/21/23
Date Reported: 03/07/23

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES After GAC-1	3B21017-01	Vapor	5	02/21/23 09:17	02/21/23 16:31
VES After GAC-2	3B21017-02	Vapor	5	02/21/23 09:16	02/21/23 16:31
VOCs Gasoline Range Organics Vapor					
VES After GAC-1	3B21017-01	Vapor	5	02/21/23 09:17	02/21/23 16:31
VES After GAC-2	3B21017-02	Vapor	5	02/21/23 09:16	02/21/23 16:31
VOCs in Vapor as Hexane					
VES After GAC-1	3B21017-01	Vapor	5	02/21/23 09:17	02/21/23 16:31
VES After GAC-2	3B21017-02	Vapor	5	02/21/23 09:16	02/21/23 16:31

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334905
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	0.5	**Prepared:**	02/22/23
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/22/23

VES After GAC-1

3B21017-01 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	92.0 %	70-140
Dibromofluoromethane	89.1 %	70-140
Toluene-d8	91.3 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334905
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	0.5	**Prepared:**	02/22/23
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/22/23

VES After GAC-2

3B21017-02 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	92.2 %	70-140
Dibromofluoromethane	131 %	70-140
Toluene-d8	94.9 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334905
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	1	**Prepared:**	02/22/23
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/22/23

VES After GAC-1

3B21017-01 (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	110 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334905
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	1	**Prepared:**	02/22/23
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/22/23

VES After GAC-2

3B21017-02 (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	100 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334905
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	02/21/23	02/21/23	
Date Prepared:	02/22/23	02/22/23	
Date Analyzed:	02/22/23	02/22/23	
AA ID No:	3B21017-01	3B21017-02	
Client ID No:	VES After GAC-1	VES After GAC-2	
Matrix:	Vapor	Vapor	
Dilution Factor:	1	1	MRL
VOCs in Vapor as Hexane (EPA 8015M)			
Total VOCs as Hexane	<4.9	<4.9	4.9

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334905
Date Received: 02/21/23
Date Reported: 03/07/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B3B2251 - *** DEFAULT PREP ****										
Blank (B3B2251-BLK1)				Prepared & Analyzed: 02/22/23						
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	*49.0*		*ug/L*	*50.0*		*98.0*	*70-140*			
Surrogate: Dibromofluoromethane	*50.6*		*ug/L*	*50.0*		*101*	*70-140*			
Surrogate: Toluene-d8	*51.9*		*ug/L*	*50.0*		*104*	*70-140*			
LCS (B3B2251-BS1)				Prepared & Analyzed: 02/22/23						
Benzene	**20.9**	0.50	ug/L	20.0		105	75-125			
Ethylbenzene	**19.2**	0.50	ug/L	20.0		95.9	75-125			
Methyl-tert-Butyl Ether (MTBE)	**44.5**	2.0	ug/L	40.0		111	75-125			
Toluene	**19.5**	0.50	ug/L	20.0		97.4	75-125			
o-Xylene	**20.8**	0.50	ug/L	20.0		104	75-125			
m,p-Xylenes	**41.0**	1.0	ug/L	40.0		103	75-125			
Surrogate: 4-Bromofluorobenzene	*42.8*		*ug/L*	*50.0*		*85.6*	*70-140*			
Surrogate: Dibromofluoromethane	*47.4*		*ug/L*	*50.0*		*94.8*	*70-140*			
Surrogate: Toluene-d8	*46.0*		*ug/L*	*50.0*		*92.1*	*70-140*			
LCS Dup (B3B2251-BSD1)				Prepared & Analyzed: 02/22/23						
Benzene	**23.4**	0.50	ug/L	20.0		117	75-125	11.0	30	
Ethylbenzene	**22.2**	0.50	ug/L	20.0		111	75-125	14.6	30	
Methyl-tert-Butyl Ether (MTBE)	**32.8**	2.0	ug/L	40.0		82.0	75-125	30.4	30	QR-02
Toluene	**23.2**	0.50	ug/L	20.0		116	75-125	17.2	30	
o-Xylene	**23.6**	0.50	ug/L	20.0		118	75-125	12.2	30	
m,p-Xylenes	**44.7**	1.0	ug/L	40.0		112	75-125	8.65	30	
Surrogate: 4-Bromofluorobenzene	*45.0*		*ug/L*	*50.0*		*90.0*	*70-140*			
Surrogate: Dibromofluoromethane	*51.3*		*ug/L*	*50.0*		*103*	*70-140*			
Surrogate: Toluene-d8	*50.4*		*ug/L*	*50.0*		*101*	*70-140*			
Duplicate (B3B2251-DUP1)				**Source: 3B21015-01** Prepared & Analyzed: 02/22/23						

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: A5334905
Date Received: 02/21/23
Date Reported: 03/07/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B3B2251 - *** DEFAULT PREP ****										
Duplicate (B3B2251-DUP1) Continued			**Source: 3B21015-01**	Prepared & Analyzed: 02/22/23						
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	*44.9*		*ug/L*	*50.0*		*89.9*	*70-140*			
Surrogate: Dibromofluoromethane	*50.2*		*ug/L*	*50.0*		*100*	*70-140*			
Surrogate: Toluene-d8	*50.9*		*ug/L*	*50.0*		*102*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B3B2254 - *** DEFAULT PREP ****										
Blank (B3B2254-BLK1)				Prepared & Analyzed: 02/22/23						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*47.6*		*ug/L*	*50.0*		*95.3*	*70-130*			
LCS (B3B2254-BS1)				Prepared & Analyzed: 02/22/23						
Gasoline Range Organics (GRO)	**464**	20	ug/L	500		92.9	75-125			
Surrogate: a,a,a-Trifluorotoluene	*59.5*		*ug/L*	*50.0*		*119*	*70-130*			
LCS Dup (B3B2254-BSD1)				Prepared & Analyzed: 02/22/23						
Gasoline Range Organics (GRO)	**554**	20	ug/L	500		111	75-125	17.7	30	
Surrogate: a,a,a-Trifluorotoluene	*61.3*		*ug/L*	*50.0*		*123*	*70-130*			
Duplicate (B3B2254-DUP1)			**Source: 3B21015-01**	Prepared & Analyzed: 02/22/23						
Gasoline Range Organics (GRO)	**59.0**	20	ug/L		72.8			20.9	30	
Surrogate: a,a,a-Trifluorotoluene	*42.2*		*ug/L*	*50.0*		*84.4*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B3B2254 - *** DEFAULT PREP ****										
Blank (B3B2254-BLK1)				Prepared & Analyzed: 02/22/23						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B3B2254-DUP1)			**Source: 3B21015-01**	Prepared & Analyzed: 02/22/23						

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: A5334905
Date Received: 02/21/23
Date Reported: 03/07/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B3B2254 - *** DEFAULT PREP ****										
Duplicate (B3B2254-DUP1) Continued	**Source: 3B21015-01**		Prepared & Analyzed: 02/22/23							
Total VOCs as Hexane	**10.9**	4.9	ppmv		13.4			20.9	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334905
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23

Special Notes

[1] = **QR-02** : The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

2e279

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

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Client I.D.	Lab I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B	Special Instructions
						Please enter the TAT Turnaround Codes ** below			
VES After GAC-1	3B21017-01	2-21-23	0917	Air	1	✓	✓	✓	*VOCs reported as GRO (detection limit = 4.9 ppmv) and *VOCs as Hexane (detection limit = 4.9 ppmv) *Benzene (detection limit = 0.10 ppmv)
VES After GAC-2	-02	"	0916	Air	1	✓	✓	✓	

PRIORITY
RUSH 4/22/23 0730

'23 FEB 21 10:31

A5334905/3B21017

Relinquished by	Date	Time	Received by
Glenn Androsko	2-21-23	11:53	
	2/21/23	1631	

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 07, 2023

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5334937 / 3C13014

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 03/13/23 15:46 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334937
Date Received: 03/13/23
Date Reported: 04/07/23

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES Carbon-Influent	3C13014-01	Vapor	5	03/13/23 12:24	03/13/23 15:46
VES Carbon-Effluent	3C13014-02	Vapor	5	03/13/23 12:19	03/13/23 15:46
VOCs Gasoline Range Organics Vapor					
VES Carbon-Influent	3C13014-01	Vapor	5	03/13/23 12:24	03/13/23 15:46
VES Carbon-Effluent	3C13014-02	Vapor	5	03/13/23 12:19	03/13/23 15:46
VOCs in Vapor as Hexane					
VES Carbon-Influent	3C13014-01	Vapor	5	03/13/23 12:24	03/13/23 15:46
VES Carbon-Effluent	3C13014-02	Vapor	5	03/13/23 12:19	03/13/23 15:46

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334937
Project No:	04-NDLA-013	**Date Received:**	03/13/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	04/07/23
Matrix:	Vapor	**Sampled:**	03/13/23
Dilution:	0.5	**Prepared:**	03/14/23
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	03/15/23

VES Carbon-Influent

3C13014-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**0.28**	ug/L	0.50	**0.088**	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	112 %		70-140
Dibromofluoromethane	68.0 %	S-GC	70-140
Toluene-d8	107 %		70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334937
Project No:	04-NDLA-013	**Date Received:**	03/13/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	04/07/23
Matrix:	Vapor	**Sampled:**	03/13/23
Dilution:	0.5	**Prepared:**	03/14/23
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	03/15/23

VES Carbon-Effluent

3C13014-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**0.33**	ug/L	0.50	**0.10**	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	98.3 %	70-140
Toluene-d8	100 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334937
Project No:	04-NDLA-013	**Date Received:**	03/13/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	04/07/23
Matrix:	Vapor	**Sampled:**	03/13/23
Dilution:	1	**Prepared:**	03/15/23
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	03/15/23

VES Carbon-Influent

3C13014-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**58**	ug/L	20	**14**	ppmv	4.9

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334937
Project No:	04-NDLA-013	**Date Received:**	03/13/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	04/07/23
Matrix:	Vapor	**Sampled:**	03/13/23
Dilution:	1	**Prepared:**	03/15/23
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	03/15/23

VES Carbon-Effluent

3C13014-02 (Vapor)

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

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334937
Project No:	04-NDLA-013	**Date Received:**	03/13/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	04/07/23
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	03/13/23	03/13/23	
Date Prepared:	03/15/23	03/15/23	
Date Analyzed:	03/15/23	03/15/23	
AA ID No:	3C13014-01	3C13014-02	
Client ID No:	VES Carbon-Influent	VES Carbon-Effluent	
Matrix:	Vapor	Vapor	
Dilution Factor:	1	1	MRL
VOCs in Vapor as Hexane (EPA 8015M)			
Total VOCs as Hexane	**11**	<4.9	4.9

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334937
Date Received: 03/13/23
Date Reported: 04/07/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B3C1423 - *** DEFAULT PREP ****										
Blank (B3C1423-BLK1)				Prepared: 03/14/23 Analyzed: 03/15/23						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*50.2*		*ug/L*	*50.0*		*100*	*70-140*			
Surrogate: Dibromofluoromethane	*46.4*		*ug/L*	*50.0*		*92.9*	*70-140*			
Surrogate: Toluene-d8	*52.8*		*ug/L*	*50.0*		*106*	*70-140*			
LCS (B3C1423-BS1)				Prepared: 03/14/23 Analyzed: 03/15/23						
Benzene	**21.6**	0.50	ug/L	20.0		108	75-125			
Ethylbenzene	**22.6**	0.50	ug/L	20.0		113	75-125			
Methyl-tert-Butyl Ether (MTBE)	**43.0**	2.0	ug/L	40.0		107	75-125			
Toluene	**20.7**	0.50	ug/L	20.0		103	75-125			
o-Xylene	**24.9**	0.50	ug/L	20.0		125	75-125			
m,p-Xylenes	**47.5**	1.0	ug/L	40.0		119	75-125			
Surrogate: 4-Bromofluorobenzene	*48.1*		*ug/L*	*50.0*		*96.2*	*70-140*			
Surrogate: Dibromofluoromethane	*50.6*		*ug/L*	*50.0*		*101*	*70-140*			
Surrogate: Toluene-d8	*50.3*		*ug/L*	*50.0*		*101*	*70-140*			
LCS Dup (B3C1423-BSD1)				Prepared: 03/14/23 Analyzed: 03/15/23						
Benzene	**23.2**	0.50	ug/L	20.0		116	75-125	7.06	30	
Ethylbenzene	**21.4**	0.50	ug/L	20.0		107	75-125	5.68	30	
Methyl-tert-Butyl Ether (MTBE)	**43.4**	2.0	ug/L	40.0		108	75-125	1.02	30	
Toluene	**19.7**	0.50	ug/L	20.0		98.6	75-125	4.65	30	
o-Xylene	**23.7**	0.50	ug/L	20.0		118	75-125	5.02	30	
m,p-Xylenes	**45.7**	1.0	ug/L	40.0		114	75-125	3.80	30	
Surrogate: 4-Bromofluorobenzene	*46.9*		*ug/L*	*50.0*		*93.7*	*70-140*			
Surrogate: Dibromofluoromethane	*50.6*		*ug/L*	*50.0*		*101*	*70-140*			
Surrogate: Toluene-d8	*48.2*		*ug/L*	*50.0*		*96.5*	*70-140*			
Duplicate (B3C1423-DUP1)				**Source: 3C13014-01** Prepared: 03/14/23 Analyzed: 03/15/23						

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: A5334937
Date Received: 03/13/23
Date Reported: 04/07/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B3C1423 - *** DEFAULT PREP ****										
Duplicate (B3C1423-DUP1) Continued	**Source: 3C13014-01**		Prepared: 03/14/23	Analyzed: 03/15/23						
Benzene	**0.330**	0.25	ug/L		0.280			16.4	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	*51.2*		*ug/L*	*50.0*		*102*	*70-140*			
Surrogate: Dibromofluoromethane	*51.6*		*ug/L*	*50.0*		*103*	*70-140*			
Surrogate: Toluene-d8	*48.9*		*ug/L*	*50.0*		*97.9*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B3C1520 - *** DEFAULT PREP ****										
Blank (B3C1520-BLK1)			Prepared & Analyzed: 03/15/23							
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*55.7*		*ug/L*	*50.0*		*111*	*70-130*			
LCS (B3C1520-BS1)			Prepared & Analyzed: 03/15/23							
Gasoline Range Organics (GRO)	**475**	20	ug/L	500		95.0	75-125			
Surrogate: a,a,a-Trifluorotoluene	*58.5*		*ug/L*	*50.0*		*117*	*70-130*			
LCS Dup (B3C1520-BSD1)			Prepared & Analyzed: 03/15/23							
Gasoline Range Organics (GRO)	**551**	20	ug/L	500		110	75-125	14.8	30	
Surrogate: a,a,a-Trifluorotoluene	*64.2*		*ug/L*	*50.0*		*128*	*70-130*			
Duplicate (B3C1520-DUP1)	**Source: 3C13015-01**		Prepared & Analyzed: 03/15/23							
Gasoline Range Organics (GRO)	**<20**	20	ug/L						30	
Surrogate: a,a,a-Trifluorotoluene	*53.4*		*ug/L*	*50.0*		*107*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B3C1520 - *** DEFAULT PREP ****										
Blank (B3C1520-BLK1)			Prepared & Analyzed: 03/15/23							
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B3C1520-DUP1)	**Source: 3C13015-01**		Prepared & Analyzed: 03/15/23							

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: A5334937
Date Received: 03/13/23
Date Reported: 04/07/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B3C1520 - *** DEFAULT PREP ****										
Duplicate (B3C1520-DUP1) Continued			**Source: 3C13015-01**	Prepared & Analyzed: 03/15/23						
Total VOCs as Hexane	**<4.9**	4.9	ppmv						30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334937
Project No:	04-NDLA-013	**Date Received:**	03/13/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	04/07/23

Special Notes

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

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

26346

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

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Please enter the TAT Turnaround Codes ** below

Client I.D.	[redacted]	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B								Special Instructions
VES Carbon-Influent	343014 -01	3-13-23	1224	Air	1	✓	✓	✓								*VOC's reported as
VES Carbon-Effluent	-02	"	1219	Air	1	✓	✓	✓								GRO (detection limit
																= 4.9 ppmv) and
																*VOCs as Hexane
																(detection limit =
																4.9 ppmv)
																*Benzene (detection
																limit = 0.10 ppmv)

PRIORITY Rush Hrs Date 3/14/23 Time 0:00 Sign SH

'23 MAR 13 14:56

[redacted]

A5334937/343014

[redacted]

Relinquished by	Date	Time	Received by
Glenn Androsko	3-13-23	2:00	[signature]
[signature]	3/13/23	1546	[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 07, 2023

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5334938 / 3C13015

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 03/13/23 15:46 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334938
Date Received: 03/13/23
Date Reported: 04/07/23

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES After GAC-1	3C13015-01	Vapor	5	03/13/23 12:22	03/13/23 15:46
VES After GAC-2	3C13015-02	Vapor	5	03/13/23 12:21	03/13/23 15:46
VOCs Gasoline Range Organics Vapor					
VES After GAC-1	3C13015-01	Vapor	5	03/13/23 12:22	03/13/23 15:46
VES After GAC-2	3C13015-02	Vapor	5	03/13/23 12:21	03/13/23 15:46
VOCs in Vapor as Hexane					
VES After GAC-1	3C13015-01	Vapor	5	03/13/23 12:22	03/13/23 15:46
VES After GAC-2	3C13015-02	Vapor	5	03/13/23 12:21	03/13/23 15:46

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334938
Project No:	04-NDLA-013	**Date Received:**	03/13/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	04/07/23
Matrix:	Vapor	**Sampled:**	03/13/23
Dilution:	0.5	**Prepared:**	03/14/23
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	03/15/23

VES After GAC-1

3C13015-01 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	100 %	70-140
Dibromofluoromethane	96.4 %	70-140
Toluene-d8	105 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334938
Project No:	04-NDLA-013	**Date Received:**	03/13/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	04/07/23
Matrix:	Vapor	**Sampled:**	03/13/23
Dilution:	0.5	**Prepared:**	03/14/23
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	03/15/23

VES After GAC-2

3C13015-02 (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	98.2 %	70-140
Dibromofluoromethane	98.6 %	70-140
Toluene-d8	107 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334938
Project No:	04-NDLA-013	**Date Received:**	03/13/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	04/07/23
Matrix:	Vapor	**Sampled:**	03/13/23
Dilution:	1	**Prepared:**	03/15/23
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	03/15/23

VES After GAC-1

3C13015-01 (Vapor)

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

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334938
Project No:	04-NDLA-013	**Date Received:**	03/13/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	04/07/23
Matrix:	Vapor	**Sampled:**	03/13/23
Dilution:	1	**Prepared:**	03/15/23
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	03/15/23

VES After GAC-2

3C13015-02 (Vapor)

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

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334938
Project No:	04-NDLA-013	**Date Received:**	03/13/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	04/07/23
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	03/13/23	03/13/23	
Date Prepared:	03/15/23	03/15/23	
Date Analyzed:	03/15/23	03/15/23	
AA ID No:	3C13015-01	3C13015-02	
Client ID No:	VES After GAC-1	VES After GAC-2	
Matrix:	Vapor	Vapor	
Dilution Factor:	1	1	MRL
VOCs in Vapor as Hexane (EPA 8015M)			
Total VOCs as Hexane	<4.9	<4.9	4.9

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334938
Date Received: 03/13/23
Date Reported: 04/07/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B3C1423 - *** DEFAULT PREP ****										
Blank (B3C1423-BLK1)				Prepared: 03/14/23 Analyzed: 03/15/23						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*50.2*		*ug/L*	*50.0*		*100*	*70-140*			
Surrogate: Dibromofluoromethane	*46.4*		*ug/L*	*50.0*		*92.9*	*70-140*			
Surrogate: Toluene-d8	*52.8*		*ug/L*	*50.0*		*106*	*70-140*			
LCS (B3C1423-BS1)				Prepared: 03/14/23 Analyzed: 03/15/23						
Benzene	**21.6**	0.50	ug/L	20.0		108	75-125			
Ethylbenzene	**22.6**	0.50	ug/L	20.0		113	75-125			
Methyl-tert-Butyl Ether (MTBE)	**43.0**	2.0	ug/L	40.0		107	75-125			
Toluene	**20.7**	0.50	ug/L	20.0		103	75-125			
o-Xylene	**24.9**	0.50	ug/L	20.0		125	75-125			
m,p-Xylenes	**47.5**	1.0	ug/L	40.0		119	75-125			
Surrogate: 4-Bromofluorobenzene	*48.1*		*ug/L*	*50.0*		*96.2*	*70-140*			
Surrogate: Dibromofluoromethane	*50.6*		*ug/L*	*50.0*		*101*	*70-140*			
Surrogate: Toluene-d8	*50.3*		*ug/L*	*50.0*		*101*	*70-140*			
LCS Dup (B3C1423-BSD1)				Prepared: 03/14/23 Analyzed: 03/15/23						
Benzene	**23.2**	0.50	ug/L	20.0		116	75-125	7.06	30	
Ethylbenzene	**21.4**	0.50	ug/L	20.0		107	75-125	5.68	30	
Methyl-tert-Butyl Ether (MTBE)	**43.4**	2.0	ug/L	40.0		108	75-125	1.02	30	
Toluene	**19.7**	0.50	ug/L	20.0		98.6	75-125	4.65	30	
o-Xylene	**23.7**	0.50	ug/L	20.0		118	75-125	5.02	30	
m,p-Xylenes	**45.7**	1.0	ug/L	40.0		114	75-125	3.80	30	
Surrogate: 4-Bromofluorobenzene	*46.9*		*ug/L*	*50.0*		*93.7*	*70-140*			
Surrogate: Dibromofluoromethane	*50.6*		*ug/L*	*50.0*		*101*	*70-140*			
Surrogate: Toluene-d8	*48.2*		*ug/L*	*50.0*		*96.5*	*70-140*			
Duplicate (B3C1423-DUP1)				**Source: 3C13014-01** Prepared: 03/14/23 Analyzed: 03/15/23						

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: A5334938
Date Received: 03/13/23
Date Reported: 04/07/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B3C1423 - *** DEFAULT PREP ****										
Duplicate (B3C1423-DUP1) Continued	**Source: 3C13014-01**		Prepared: 03/14/23	Analyzed: 03/15/23						
Benzene	**0.330**	0.25	ug/L		0.280			16.4	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	*51.2*		*ug/L*	*50.0*		*102*	*70-140*			
Surrogate: Dibromofluoromethane	*51.6*		*ug/L*	*50.0*		*103*	*70-140*			
Surrogate: Toluene-d8	*48.9*		*ug/L*	*50.0*		*97.9*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B3C1520 - *** DEFAULT PREP ****										
Blank (B3C1520-BLK1)			Prepared & Analyzed: 03/15/23							
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*55.7*		*ug/L*	*50.0*		*111*	*70-130*			
LCS (B3C1520-BS1)			Prepared & Analyzed: 03/15/23							
Gasoline Range Organics (GRO)	**475**	20	ug/L	500		95.0	75-125			
Surrogate: a,a,a-Trifluorotoluene	*58.5*		*ug/L*	*50.0*		*117*	*70-130*			
LCS Dup (B3C1520-BSD1)			Prepared & Analyzed: 03/15/23							
Gasoline Range Organics (GRO)	**551**	20	ug/L	500		110	75-125	14.8	30	
Surrogate: a,a,a-Trifluorotoluene	*64.2*		*ug/L*	*50.0*		*128*	*70-130*			
Duplicate (B3C1520-DUP1)	**Source: 3C13015-01**		Prepared & Analyzed: 03/15/23							
Gasoline Range Organics (GRO)	**<20**	20	ug/L		<20				30	
Surrogate: a,a,a-Trifluorotoluene	*53.4*		*ug/L*	*50.0*		*107*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B3C1520 - *** DEFAULT PREP ****										
Blank (B3C1520-BLK1)			Prepared & Analyzed: 03/15/23							
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B3C1520-DUP1)	**Source: 3C13015-01**		Prepared & Analyzed: 03/15/23							

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: A5334938
Date Received: 03/13/23
Date Reported: 04/07/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B3C1520 - *** DEFAULT PREP ****										
Duplicate (B3C1520-DUP1) Continued	**Source: 3C13015-01**				Prepared & Analyzed: 03/15/23					
Total VOCs as Hexane	**<4.9**	4.9	ppmv		<4.9				30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334938
Project No:	04-NDLA-013	**Date Received:**	03/13/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	04/07/23

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

26397

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

Client: The Source Group, Inc.	**Project Name / No.:** DFSP - Norwalk / 091-NOR-001	**Sampler's Name:**	Glenn Andreasko
Project Manager: Neil Irish	**Site Address:** 15306 Norwalk Blvd	**Sampler's Signature:**	Glenn Andreasko
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.	Lab 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	3C13015-01	3-13-23	1222	Air	1	✓	✓	✓							*VOCs reported as GRO (detection limit = 4.9 ppmv) and *VOCs as Hexane (detection limit = 4.9 ppmv) *Benzene (detection limit = 0.10 ppmv)
VES After GAC-2	-02	"	1221	Air	1	✓	✓	✓							

PRIORITY
Rush 24 hrs
Date 3/14/23 Time 0930 Sign

'23 MAR 13 14:56

A5334938/3C13015

Relinquished by	Date	Time	Received by
Glenn Andreasko	3-13-23	2:00	
Relinquished by	Date	Time	Received by
	3/13/23	1546	
Relinquished by	Date	Time	Received by

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

AMERICAN ANALYTICS

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

March 07, 2023

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5334906 / 3B21018

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 02/21/23 16:31 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334906
Date Received: 02/21/23
Date Reported: 03/07/23

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES Thermox-Influent	3B21018-01	Vapor	5	02/21/23 09:39	02/21/23 16:31
VES Thermox-Effluent	3B21018-02	Vapor	5	02/21/23 09:36	02/21/23 16:31
VOCs Gasoline Range Organics Vapor					
VES Thermox-Influent	3B21018-01	Vapor	5	02/21/23 09:39	02/21/23 16:31
VES Thermox-Effluent	3B21018-02	Vapor	5	02/21/23 09:36	02/21/23 16:31
VOCs in Vapor as Hexane					
VES Thermox-Influent	3B21018-01	Vapor	5	02/21/23 09:39	02/21/23 16:31
VES Thermox-Effluent	3B21018-02	Vapor	5	02/21/23 09:36	02/21/23 16:31

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334906
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	0.5	**Prepared:**	02/22/23
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/22/23

VES Thermox-Influent

3B21018-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**1.1**	ug/L	0.50	**0.34**	ppmv	0.16
Ethylbenzene	**1.0**	ug/L	0.50	**0.23**	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	**0.40**	ug/L	0.50	**0.092**	ppmv	0.12
m,p-Xylenes	**1.9**	ug/L	1.0	**0.44**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	88.5 %	70-140
Dibromofluoromethane	121 %	70-140
Toluene-d8	89.3 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334906
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	0.5	**Prepared:**	02/22/23
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/22/23

VES Thermox-Effluent

3B21018-02 (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	91.7 %	70-140
Dibromofluoromethane	114 %	70-140
Toluene-d8	101 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334906
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	1	**Prepared:**	02/22/23
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/22/23

VES Thermox-Influent

3B21018-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**1200**	ug/L	20	**290**	ppmv	4.9

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334906
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	1	**Prepared:**	02/23/23
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/23/23

VES Thermox-Effluent

3B21018-02 (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	113 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334906
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	02/21/23	02/21/23	
Date Prepared:	02/22/23	02/23/23	
Date Analyzed:	02/22/23	02/23/23	
AA ID No:	3B21018-01	3B21018-02	
Client ID No:	VES Thermox-Influent	VES Thermox-Effluent	
Matrix:	Vapor	Vapor	
Dilution Factor:	1	1	MRL
VOCs in Vapor as Hexane (EPA 8015M)			
Total VOCs as Hexane	**230**	<4.9	4.9

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334906
Date Received: 02/21/23
Date Reported: 03/07/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B3B2251 - *** DEFAULT PREP ****										
Blank (B3B2251-BLK1)				Prepared & Analyzed: 02/22/23						
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	*49.0*		*ug/L*	*50.0*		*98.0*	*70-140*			
Surrogate: Dibromofluoromethane	*50.6*		*ug/L*	*50.0*		*101*	*70-140*			
Surrogate: Toluene-d8	*51.9*		*ug/L*	*50.0*		*104*	*70-140*			
LCS (B3B2251-BS1)				Prepared & Analyzed: 02/22/23						
Benzene	**20.9**	0.50	ug/L	20.0		105	75-125			
Ethylbenzene	**19.2**	0.50	ug/L	20.0		95.9	75-125			
Methyl-tert-Butyl Ether (MTBE)	**44.5**	2.0	ug/L	40.0		111	75-125			
Toluene	**19.5**	0.50	ug/L	20.0		97.4	75-125			
o-Xylene	**20.8**	0.50	ug/L	20.0		104	75-125			
m,p-Xylenes	**41.0**	1.0	ug/L	40.0		103	75-125			
Surrogate: 4-Bromofluorobenzene	*42.8*		*ug/L*	*50.0*		*85.6*	*70-140*			
Surrogate: Dibromofluoromethane	*47.4*		*ug/L*	*50.0*		*94.8*	*70-140*			
Surrogate: Toluene-d8	*46.0*		*ug/L*	*50.0*		*92.1*	*70-140*			
LCS Dup (B3B2251-BSD1)				Prepared & Analyzed: 02/22/23						
Benzene	**23.4**	0.50	ug/L	20.0		117	75-125	11.0	30	
Ethylbenzene	**22.2**	0.50	ug/L	20.0		111	75-125	14.6	30	
Methyl-tert-Butyl Ether (MTBE)	**32.8**	2.0	ug/L	40.0		82.0	75-125	30.4	30	QR-02
Toluene	**23.2**	0.50	ug/L	20.0		116	75-125	17.2	30	
o-Xylene	**23.6**	0.50	ug/L	20.0		118	75-125	12.2	30	
m,p-Xylenes	**44.7**	1.0	ug/L	40.0		112	75-125	8.65	30	
Surrogate: 4-Bromofluorobenzene	*45.0*		*ug/L*	*50.0*		*90.0*	*70-140*			
Surrogate: Dibromofluoromethane	*51.3*		*ug/L*	*50.0*		*103*	*70-140*			
Surrogate: Toluene-d8	*50.4*		*ug/L*	*50.0*		*101*	*70-140*			
Duplicate (B3B2251-DUP1)				**Source: 3B21015-01** Prepared & Analyzed: 02/22/23						

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: A5334906
Date Received: 02/21/23
Date Reported: 03/07/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B3B2251 - *** DEFAULT PREP ****										
Duplicate (B3B2251-DUP1) Continued			**Source: 3B21015-01**	Prepared & Analyzed: 02/22/23						
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	*44.9*		*ug/L*	*50.0*		*89.9*	*70-140*			
Surrogate: Dibromofluoromethane	*50.2*		*ug/L*	*50.0*		*100*	*70-140*			
Surrogate: Toluene-d8	*50.9*		*ug/L*	*50.0*		*102*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B3B2254 - *** DEFAULT PREP ****										
Blank (B3B2254-BLK1)				Prepared & Analyzed: 02/22/23						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*47.6*		*ug/L*	*50.0*		*95.3*	*70-130*			
LCS (B3B2254-BS1)				Prepared & Analyzed: 02/22/23						
Gasoline Range Organics (GRO)	**464**	20	ug/L	500		92.9	75-125			
Surrogate: a,a,a-Trifluorotoluene	*59.5*		*ug/L*	*50.0*		*119*	*70-130*			
LCS Dup (B3B2254-BSD1)				Prepared & Analyzed: 02/22/23						
Gasoline Range Organics (GRO)	**554**	20	ug/L	500		111	75-125	17.7	30	
Surrogate: a,a,a-Trifluorotoluene	*61.3*		*ug/L*	*50.0*		*123*	*70-130*			
Duplicate (B3B2254-DUP1)			**Source: 3B21015-01**	Prepared & Analyzed: 02/22/23						
Gasoline Range Organics (GRO)	**59.0**	20	ug/L		72.8			20.9	30	
Surrogate: a,a,a-Trifluorotoluene	*42.2*		*ug/L*	*50.0*		*84.4*	*70-130*			
*Batch B3B2302 - *** DEFAULT PREP ****										
Blank (B3B2302-BLK1)				Prepared & Analyzed: 02/23/23						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*48.8*		*ug/L*	*50.0*		*97.7*	*70-130*			
LCS (B3B2302-BS1)				Prepared & Analyzed: 02/23/23						

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: A5334906
Date Received: 02/21/23
Date Reported: 03/07/23

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 B3B2302 - *** DEFAULT PREP ****										
LCS (B3B2302-BS1) Continued				Prepared & Analyzed: 02/23/23						
Gasoline Range Organics (GRO)	**456**	20	ug/L	500		91.2	75-125			
Surrogate: a,a,a-Trifluorotoluene	*57.8*		*ug/L*	*50.0*		*116*	*70-130*			
LCS Dup (B3B2302-BSD1)				Prepared & Analyzed: 02/23/23						
Gasoline Range Organics (GRO)	**507**	20	ug/L	500		101	75-125	10.5	30	
Surrogate: a,a,a-Trifluorotoluene	*55.7*		*ug/L*	*50.0*		*111*	*70-130*			
Duplicate (B3B2302-DUP1)			**Source: 3B21020-01**	Prepared & Analyzed: 02/23/23						
Gasoline Range Organics (GRO)	**488**	20	ug/L		435			11.4	30	
Surrogate: a,a,a-Trifluorotoluene	*45.2*		*ug/L*	*50.0*		*90.4*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B3B2254 - *** DEFAULT PREP ****										
Blank (B3B2254-BLK1)				Prepared & Analyzed: 02/22/23						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B3B2254-DUP1)			**Source: 3B21015-01**	Prepared & Analyzed: 02/22/23						
Total VOCs as Hexane	**10.9**	4.9	ppmv		13.4			20.9	30	
*Batch B3B2302 - *** DEFAULT PREP ****										
Blank (B3B2302-BLK1)				Prepared & Analyzed: 02/23/23						
Total VOCs as Hexane	<4.9	4.9	ppmv							
LCS (B3B2302-BS1)				Prepared: 02/23/23			Analyzed: 03/07/23			
Total VOCs as Hexane	**ND**	4.9	ppmv				75-125			
LCS Dup (B3B2302-BSD1)				Prepared: 02/23/23			Analyzed: 03/07/23			
Total VOCs as Hexane	**ND**	4.9	ppmv				75-125		30	
Duplicate (B3B2302-DUP1)			**Source: 3B21020-01**	Prepared & Analyzed: 02/23/23						
Total VOCs as Hexane	**89.2**	4.9	ppmv		79.5			11.4	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334906
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23

Special Notes

[1] = **QR-02** : The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

Viorel Vasile
Operations Manager

26280

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-NOR-001 **Sampler's Name:** Glenn Androsko
Project Manager: Neil Irish **Site Address:** 15306 Norwalk Blvd **Sampler's Signature:** Glenn Androsko
Phone: 562-597-1055 **City:** Norwalk **P.O. No.:**
Fax: 569-597-1070 **State & Zip:** CA 90650 **Quote No.:**

TAT Turnaround Codes **

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

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

Client I.D.	AA ID	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX//MTBE 8260B	Special Instructions
VES Thermox-Influent	3B21018-01	2-21-23	0939	Air	1	✓	✓	✓	*VOC's reported as GRO (detection limit = 4.9 ppmv) and *VOCs as Hexane (detection limit = 4.9 ppmv) *Benzene (detection limit = 1 ppmv) *Ethyl benzene DL = 1 ppmv) *MTBE (detection limit = 2 ppmv)
VES Thermox-Effluent	-02	"	0936	Air	1	✓	✓	✓	

PRIORITY RUSH 2/22/23 0730

23 FEB 21 16:31

Relinquished by	Date	Time	Received by
Glenn Androsko	2-21-23	11:50	[signature]
[signature]	2/21/23	1631	[signature]

A5334906/3B21018

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 07, 2023

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5334939 / 3C13016

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 03/13/23 15:46 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334939
Date Received: 03/13/23
Date Reported: 04/07/23

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VES Thermox-Influent	3C13016-01	Vapor	5	03/13/23 12:31	03/13/23 15:46
VES Thermox-Effluent	3C13016-02	Vapor	5	03/13/23 12:27	03/13/23 15:46
VOCs Gasoline Range Organics Vapor					
VES Thermox-Influent	3C13016-01	Vapor	5	03/13/23 12:31	03/13/23 15:46
VES Thermox-Effluent	3C13016-02	Vapor	5	03/13/23 12:27	03/13/23 15:46
VOCs in Vapor as Hexane					
VES Thermox-Influent	3C13016-01	Vapor	5	03/13/23 12:31	03/13/23 15:46
VES Thermox-Effluent	3C13016-02	Vapor	5	03/13/23 12:27	03/13/23 15:46

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334939
Project No:	04-NDLA-013	**Date Received:**	03/13/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	04/07/23
Matrix:	Vapor	**Sampled:**	03/13/23
Dilution:	0.5	**Prepared:**	03/14/23
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	03/15/23

VES Thermox-Influent

3C13016-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**0.72**	ug/L	0.50	**0.23**	ppmv	0.16
Ethylbenzene	**0.47**	ug/L	0.50	**0.11**	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	**1.0**	ug/L	1.0	**0.23**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	97.9 %	70-140
Dibromofluoromethane	103 %	70-140
Toluene-d8	91.8 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334939
Project No:	04-NDLA-013	**Date Received:**	03/13/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	04/07/23
Matrix:	Vapor	**Sampled:**	03/13/23
Dilution:	0.5	**Prepared:**	03/14/23
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	03/15/23

VES Thermox-Effluent

3C13016-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**0.34**	ug/L	0.50	**0.11**	ppmv	0.16
Ethylbenzene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<1.0	ug/L	2.0	<0.28	ppmv	0.55
Toluene	<0.25	ug/L	0.50	<0.066	ppmv	0.13
o-Xylene	<0.25	ug/L	0.50	<0.058	ppmv	0.12
m,p-Xylenes	<0.50	ug/L	1.0	<0.12	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	100 %	70-140
Dibromofluoromethane	103 %	70-140
Toluene-d8	97.1 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334939
Project No:	04-NDLA-013	**Date Received:**	03/13/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	04/07/23
Matrix:	Vapor	**Sampled:**	03/13/23
Dilution:	1	**Prepared:**	03/15/23
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	03/15/23

VES Thermox-Influent

3C13016-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**910**	ug/L	20	**220**	ppmv	4.9

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334939
Project No:	04-NDLA-013	**Date Received:**	03/13/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	04/07/23
Matrix:	Vapor	**Sampled:**	03/13/23
Dilution:	1	**Prepared:**	03/15/23
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	03/15/23

VES Thermox-Effluent

3C13016-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**38**	ug/L	20	**9.3**	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:**	A5334939
Project No:	04-NDLA-013	**Date Received:**	03/13/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	04/07/23
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	03/13/23	03/13/23	
Date Prepared:	03/15/23	03/15/23	
Date Analyzed:	03/15/23	03/15/23	
AA ID No:	3C13016-01	3C13016-02	
Client ID No:	VES Thermox-Influent	VES Thermox-Effluent	
Matrix:	Vapor	Vapor	
Dilution Factor:	1	1	MRL
VOCs in Vapor as Hexane (EPA 8015M)			
Total VOCs as Hexane	**170**	**6.9**	4.9

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334939
Date Received: 03/13/23
Date Reported: 04/07/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B3C1423 - *** DEFAULT PREP ****										
Blank (B3C1423-BLK1)				Prepared: 03/14/23 Analyzed: 03/15/23						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*50.2*		*ug/L*	*50.0*		*100*	*70-140*			
Surrogate: Dibromofluoromethane	*46.4*		*ug/L*	*50.0*		*92.9*	*70-140*			
Surrogate: Toluene-d8	*52.8*		*ug/L*	*50.0*		*106*	*70-140*			
LCS (B3C1423-BS1)				Prepared: 03/14/23 Analyzed: 03/15/23						
Benzene	**21.6**	0.50	ug/L	20.0		108	75-125			
Ethylbenzene	**22.6**	0.50	ug/L	20.0		113	75-125			
Methyl-tert-Butyl Ether (MTBE)	**43.0**	2.0	ug/L	40.0		107	75-125			
Toluene	**20.7**	0.50	ug/L	20.0		103	75-125			
o-Xylene	**24.9**	0.50	ug/L	20.0		125	75-125			
m,p-Xylenes	**47.5**	1.0	ug/L	40.0		119	75-125			
Surrogate: 4-Bromofluorobenzene	*48.1*		*ug/L*	*50.0*		*96.2*	*70-140*			
Surrogate: Dibromofluoromethane	*50.6*		*ug/L*	*50.0*		*101*	*70-140*			
Surrogate: Toluene-d8	*50.3*		*ug/L*	*50.0*		*101*	*70-140*			
LCS Dup (B3C1423-BSD1)				Prepared: 03/14/23 Analyzed: 03/15/23						
Benzene	**23.2**	0.50	ug/L	20.0		116	75-125	7.06	30	
Ethylbenzene	**21.4**	0.50	ug/L	20.0		107	75-125	5.68	30	
Methyl-tert-Butyl Ether (MTBE)	**43.4**	2.0	ug/L	40.0		108	75-125	1.02	30	
Toluene	**19.7**	0.50	ug/L	20.0		98.6	75-125	4.65	30	
o-Xylene	**23.7**	0.50	ug/L	20.0		118	75-125	5.02	30	
m,p-Xylenes	**45.7**	1.0	ug/L	40.0		114	75-125	3.80	30	
Surrogate: 4-Bromofluorobenzene	*46.9*		*ug/L*	*50.0*		*93.7*	*70-140*			
Surrogate: Dibromofluoromethane	*50.6*		*ug/L*	*50.0*		*101*	*70-140*			
Surrogate: Toluene-d8	*48.2*		*ug/L*	*50.0*		*96.5*	*70-140*			
Duplicate (B3C1423-DUP1)				**Source: 3C13014-01** Prepared: 03/14/23 Analyzed: 03/15/23						

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: A5334939
Date Received: 03/13/23
Date Reported: 04/07/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B3C1423 - *** DEFAULT PREP ****										
Duplicate (B3C1423-DUP1) Continued	**Source: 3C13014-01**		Prepared: 03/14/23	Analyzed: 03/15/23						
Benzene	**0.330**	0.25	ug/L		0.280			16.4	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	*51.2*		*ug/L*	*50.0*		*102*	*70-140*			
Surrogate: Dibromofluoromethane	*51.6*		*ug/L*	*50.0*		*103*	*70-140*			
Surrogate: Toluene-d8	*48.9*		*ug/L*	*50.0*		*97.9*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B3C1520 - *** DEFAULT PREP ****										
Blank (B3C1520-BLK1)			Prepared & Analyzed: 03/15/23							
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*55.7*		*ug/L*	*50.0*		*111*	*70-130*			
LCS (B3C1520-BS1)			Prepared & Analyzed: 03/15/23							
Gasoline Range Organics (GRO)	**475**	20	ug/L	500		95.0	75-125			
Surrogate: a,a,a-Trifluorotoluene	*58.5*		*ug/L*	*50.0*		*117*	*70-130*			
LCS Dup (B3C1520-BSD1)			Prepared & Analyzed: 03/15/23							
Gasoline Range Organics (GRO)	**551**	20	ug/L	500		110	75-125	14.8	30	
Surrogate: a,a,a-Trifluorotoluene	*64.2*		*ug/L*	*50.0*		*128*	*70-130*			
Duplicate (B3C1520-DUP1)	**Source: 3C13015-01**		Prepared & Analyzed: 03/15/23							
Gasoline Range Organics (GRO)	**<20**	20	ug/L						30	
Surrogate: a,a,a-Trifluorotoluene	*53.4*		*ug/L*	*50.0*		*107*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B3C1520 - *** DEFAULT PREP ****										
Blank (B3C1520-BLK1)			Prepared & Analyzed: 03/15/23							
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B3C1520-DUP1)	**Source: 3C13015-01**		Prepared & Analyzed: 03/15/23							

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: A5334939
Date Received: 03/13/23
Date Reported: 04/07/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B3C1520 - *** DEFAULT PREP ****										
Duplicate (B3C1520-DUP1) Continued			**Source: 3C13015-01**	Prepared & Analyzed: 03/15/23						
Total VOCs as Hexane	**<4.9**	4.9	ppmv						30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334939
Project No:	04-NDLA-013	**Date Received:**	03/13/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	04/07/23

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

26398

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

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

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Please enter the TAT Turnaround Codes ** below

Client I.D.	[redacted]	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX//MTBE 8260B								Special Instructions
VES Thermox-Influent	343016 -01	3-13-23	1231	Air	1	✓	✓	✓								*VOC's reported as
VES Thermox-Effluent	-02	"	1227	Air	1	✓	✓	✓								GRO (detection limit
																= 4.9 ppmv) and
																*VOCs as Hexane
																(detection limit =
																4.9 ppmv)
																*Benzene (detection
																limit = 1 ppmv)
																*Ethyl benzene
																DL = 1 ppmv)
																*MTBE (detection
																limit = 2 ppmv)
																'23 MAR 13 14:56

PRIORITY
SH
Rec'd 3/14/23 0920
Date
Sign

A5334939/343016

Relinquished by	Date	Time	Received by
Glenn Andrasko	3-13-23	2:00	[signature]
[signature]	3/13/23	1546	[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

March 07, 2023

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5334904 / 3B21016

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 02/21/23 16:31 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334904
Date Received: 02/21/23
Date Reported: 03/07/23

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
HW-1	3B21016-01	Vapor	5	02/21/23 10:45	02/21/23 16:31
HW-5	3B21016-02	Vapor	5	02/21/23 10:50	02/21/23 16:31
HW-7	3B21016-03	Vapor	5	02/21/23 10:52	02/21/23 16:31
HW-9	3B21016-04	Vapor	5	02/21/23 10:56	02/21/23 16:31
VOCs Gasoline Range Organics Vapor					
HW-1	3B21016-01	Vapor	5	02/21/23 10:45	02/21/23 16:31
HW-5	3B21016-02	Vapor	5	02/21/23 10:50	02/21/23 16:31
HW-7	3B21016-03	Vapor	5	02/21/23 10:52	02/21/23 16:31
HW-9	3B21016-04	Vapor	5	02/21/23 10:56	02/21/23 16:31
VOCs in Vapor as Hexane					
HW-1	3B21016-01	Vapor	5	02/21/23 10:45	02/21/23 16:31
HW-5	3B21016-02	Vapor	5	02/21/23 10:50	02/21/23 16:31
HW-7	3B21016-03	Vapor	5	02/21/23 10:52	02/21/23 16:31
HW-9	3B21016-04	Vapor	5	02/21/23 10:56	02/21/23 16:31

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334904
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	0.5	**Prepared:**	02/22/23
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/22/23

HW-1

3B21016-01 (Vapor)

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

Surrogates	%REC		%REC Limits
4-Bromofluorobenzene	90.2 %		70-140
Dibromofluoromethane	152 %	S-GC	70-140
Toluene-d8	90.1 %		70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334904
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	0.5	**Prepared:**	02/22/23
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/22/23

HW-5

3B21016-02 (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	102 %	70-140
Dibromofluoromethane	118 %	70-140
Toluene-d8	94.8 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334904
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	0.5	**Prepared:**	02/22/23
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/22/23

HW-7

3B21016-03 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	93.2 %	70-140
Dibromofluoromethane	111 %	70-140
Toluene-d8	95.5 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334904
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	0.5	**Prepared:**	02/22/23
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/22/23

HW-9

3B21016-04 (Vapor)

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

Surrogates	%REC		%REC Limits
4-Bromofluorobenzene	94.0 %		70-140
Dibromofluoromethane	143 %	S-GC	70-140
Toluene-d8	93.2 %		70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334904
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	1	**Prepared:**	02/22/23
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/22/23

HW-1

3B21016-01 (Vapor)

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

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334904
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	1	**Prepared:**	02/22/23
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/22/23

HW-5

3B21016-02 (Vapor)

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

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	89.6 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334904
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	1	**Prepared:**	02/22/23
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/22/23

HW-7

3B21016-03 (Vapor)

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

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	73.9 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334904
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	1	**Prepared:**	02/22/23
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/22/23

HW-9

3B21016-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**41**	ug/L	20	**10**	ppmv	4.9

Surrogates	**%REC**	**%REC Limits**
a,a,a-Trifluorotoluene	97.2 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334904
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	02/21/23	02/21/23	02/21/23	02/21/23	
Date Prepared:	02/22/23	02/22/23	02/22/23	02/22/23	
Date Analyzed:	02/22/23	02/22/23	02/22/23	02/22/23	
AA ID No:	3B21016-01	3B21016-02	3B21016-03	3B21016-04	
Client ID No:	HW-1	HW-5	HW-7	HW-9	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL
VOCs in Vapor as Hexane (EPA 8015M)					
Total VOCs as Hexane	<4.9	<4.9	<4.9	**7.5**	4.9

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334904
Date Received: 02/21/23
Date Reported: 03/07/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B3B2251 - *** DEFAULT PREP ****										
Blank (B3B2251-BLK1)				Prepared & Analyzed: 02/22/23						
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	*49.0*		*ug/L*	*50.0*		*98.0*	*70-140*			
Surrogate: Dibromofluoromethane	*50.6*		*ug/L*	*50.0*		*101*	*70-140*			
Surrogate: Toluene-d8	*51.9*		*ug/L*	*50.0*		*104*	*70-140*			
LCS (B3B2251-BS1)				Prepared & Analyzed: 02/22/23						
Benzene	**20.9**	0.50	ug/L	20.0		105	75-125			
Ethylbenzene	**19.2**	0.50	ug/L	20.0		95.9	75-125			
Methyl-tert-Butyl Ether (MTBE)	**44.5**	2.0	ug/L	40.0		111	75-125			
Toluene	**19.5**	0.50	ug/L	20.0		97.4	75-125			
o-Xylene	**20.8**	0.50	ug/L	20.0		104	75-125			
m,p-Xylenes	**41.0**	1.0	ug/L	40.0		103	75-125			
Surrogate: 4-Bromofluorobenzene	*42.8*		*ug/L*	*50.0*		*85.6*	*70-140*			
Surrogate: Dibromofluoromethane	*47.4*		*ug/L*	*50.0*		*94.8*	*70-140*			
Surrogate: Toluene-d8	*46.0*		*ug/L*	*50.0*		*92.1*	*70-140*			
LCS Dup (B3B2251-BSD1)				Prepared & Analyzed: 02/22/23						
Benzene	**23.4**	0.50	ug/L	20.0		117	75-125	11.0	30	
Ethylbenzene	**22.2**	0.50	ug/L	20.0		111	75-125	14.6	30	
Methyl-tert-Butyl Ether (MTBE)	**32.8**	2.0	ug/L	40.0		82.0	75-125	30.4	30	QR-02
Toluene	**23.2**	0.50	ug/L	20.0		116	75-125	17.2	30	
o-Xylene	**23.6**	0.50	ug/L	20.0		118	75-125	12.2	30	
m,p-Xylenes	**44.7**	1.0	ug/L	40.0		112	75-125	8.65	30	
Surrogate: 4-Bromofluorobenzene	*45.0*		*ug/L*	*50.0*		*90.0*	*70-140*			
Surrogate: Dibromofluoromethane	*51.3*		*ug/L*	*50.0*		*103*	*70-140*			
Surrogate: Toluene-d8	*50.4*		*ug/L*	*50.0*		*101*	*70-140*			
Duplicate (B3B2251-DUP1)				**Source: 3B21015-01** Prepared & Analyzed: 02/22/23						

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: A5334904
Date Received: 02/21/23
Date Reported: 03/07/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B3B2251 - *** DEFAULT PREP ****										
Duplicate (B3B2251-DUP1) Continued			**Source: 3B21015-01**	Prepared & Analyzed: 02/22/23						
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	*44.9*		*ug/L*	*50.0*		*89.9*	*70-140*			
Surrogate: Dibromofluoromethane	*50.2*		*ug/L*	*50.0*		*100*	*70-140*			
Surrogate: Toluene-d8	*50.9*		*ug/L*	*50.0*		*102*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B3B2254 - *** DEFAULT PREP ****										
Blank (B3B2254-BLK1)				Prepared & Analyzed: 02/22/23						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*47.6*		*ug/L*	*50.0*		*95.3*	*70-130*			
LCS (B3B2254-BS1)				Prepared & Analyzed: 02/22/23						
Gasoline Range Organics (GRO)	**464**	20	ug/L	500		92.9	75-125			
Surrogate: a,a,a-Trifluorotoluene	*59.5*		*ug/L*	*50.0*		*119*	*70-130*			
LCS Dup (B3B2254-BSD1)				Prepared & Analyzed: 02/22/23						
Gasoline Range Organics (GRO)	**554**	20	ug/L	500		111	75-125	17.7	30	
Surrogate: a,a,a-Trifluorotoluene	*61.3*		*ug/L*	*50.0*		*123*	*70-130*			
Duplicate (B3B2254-DUP1)			**Source: 3B21015-01**	Prepared & Analyzed: 02/22/23						
Gasoline Range Organics (GRO)	**59.0**	20	ug/L		72.8			20.9	30	
Surrogate: a,a,a-Trifluorotoluene	*42.2*		*ug/L*	*50.0*		*84.4*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B3B2254 - *** DEFAULT PREP ****										
Blank (B3B2254-BLK1)				Prepared & Analyzed: 02/22/23						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B3B2254-DUP1)			**Source: 3B21015-01**	Prepared & Analyzed: 02/22/23						

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: A5334904
Date Received: 02/21/23
Date Reported: 03/07/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B3B2254 - *** DEFAULT PREP ****										
Duplicate (B3B2254-DUP1) Continued	**Source: 3B21015-01**		Prepared & Analyzed: 02/22/23							
Total VOCs as Hexane	**10.9**	4.9	ppmv		13.4			20.9	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334904
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23

Special Notes

[1] = **QR-02** : The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

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

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

26278

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)

Client I.D.	AA I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B	Special Instructions
						Please enter the TAT Turnaround Codes ** below			
HW-1	3B21016-01	2-21-23	1045	Air	1	✓	✓	✓	*VOC's reported as GRO (detection limit = 4.9 ppmv) and *VOCs as Hexane (detection limit = 4.9 ppmv) *Benzene (detection limit = 0.10 ppmv)
HW-5	-02	↓	1050	Air	1	✓	✓	✓	
HW-7	-03		1052	Air	1	✓	✓	✓	
HW-9	-04		1056	Air	1	✓	✓	✓	

PRIORITY
Rush Date 2/22/23 070 Sign

'23 FEB 21 16:31

A5334904/3B21016

Relinquished by	Date	Time	Received by
Glenn Androsko	2-21-23	11:30	
Relinquished by	Date	Time	Received by
	2/21/23	1631	
Relinquished by	Date	Time	Received by

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

AMERICAN ANALYTICS

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

March 07, 2023

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5334907 / 3B21019

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 02/21/23 16:31 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334907
Date Received: 02/21/23
Date Reported: 03/07/23

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
Trunkline#1 (East)	3B21019-01	Vapor	5	02/21/23 10:07	02/21/23 16:31
Trunkline#2 (South)	3B21019-02	Vapor	5	02/21/23 10:11	02/21/23 16:31
Trunkline#3 (Central S)	3B21019-03	Vapor	5	02/21/23 10:17	02/21/23 16:31
Trunkline#4 (Central E)	3B21019-04	Vapor	5	02/21/23 10:19	02/21/23 16:31
Trunkline#5 (Central W)	3B21019-05	Vapor	5	02/21/23 10:13	02/21/23 16:31
VOCs Gasoline Range Organics Vapor					
Trunkline#1 (East)	3B21019-01	Vapor	5	02/21/23 10:07	02/21/23 16:31
Trunkline#2 (South)	3B21019-02	Vapor	5	02/21/23 10:11	02/21/23 16:31
Trunkline#3 (Central S)	3B21019-03	Vapor	5	02/21/23 10:17	02/21/23 16:31
Trunkline#4 (Central E)	3B21019-04	Vapor	5	02/21/23 10:19	02/21/23 16:31
Trunkline#5 (Central W)	3B21019-05	Vapor	5	02/21/23 10:13	02/21/23 16:31
VOCs in Vapor as Hexane					
Trunkline#1 (East)	3B21019-01	Vapor	5	02/21/23 10:07	02/21/23 16:31
Trunkline#2 (South)	3B21019-02	Vapor	5	02/21/23 10:11	02/21/23 16:31
Trunkline#3 (Central S)	3B21019-03	Vapor	5	02/21/23 10:17	02/21/23 16:31
Trunkline#4 (Central E)	3B21019-04	Vapor	5	02/21/23 10:19	02/21/23 16:31
Trunkline#5 (Central W)	3B21019-05	Vapor	5	02/21/23 10:13	02/21/23 16:31

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334907
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	0.5	**Prepared:**	02/22/23
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/22/23

Trunkline#1 (East)

3B21019-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**0.88**	ug/L	0.50	**0.28**	ppmv	0.16
Ethylbenzene	**0.71**	ug/L	0.50	**0.16**	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	**1.0**	ug/L	1.0	**0.23**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	90.4 %	70-140
Dibromofluoromethane	108 %	70-140
Toluene-d8	99.0 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334907
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	0.5	**Prepared:**	02/22/23
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/22/23

Trunkline#2 (South)

3B21019-02 (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	90.2 %		70-140
Dibromofluoromethane	141 %	S-GC	70-140
Toluene-d8	90.9 %		70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334907
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	1	**Prepared:**	02/22/23
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/22/23

Trunkline#3 (Central S)

3B21019-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**2.9**	ug/L	0.50	**0.91**	ppmv	0.16
Ethylbenzene	**5.0**	ug/L	0.50	**1.2**	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	**0.58**	ug/L	0.50	**0.13**	ppmv	0.12
m,p-Xylenes	**6.3**	ug/L	1.0	**1.5**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	92.5 %	70-140
Dibromofluoromethane	116 %	70-140
Toluene-d8	97.8 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334907
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	1	**Prepared:**	02/22/23
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/22/23

Trunkline#4 (Central E)

3B21019-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**2.7**	ug/L	0.50	**0.85**	ppmv	0.16
Ethylbenzene	**1.5**	ug/L	0.50	**0.35**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	**1.2**	ug/L	0.50	**0.32**	ppmv	0.13
o-Xylene	**1.6**	ug/L	0.50	**0.37**	ppmv	0.12
m,p-Xylenes	**5.3**	ug/L	1.0	**1.2**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	94.6 %	70-140
Dibromofluoromethane	117 %	70-140
Toluene-d8	99.9 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334907
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	0.5	**Prepared:**	02/22/23
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/23/23

Trunkline#5 (Central W)

3B21019-05 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	98.6 %	70-140
Dibromofluoromethane	115 %	70-140
Toluene-d8	95.6 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334907
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	1	**Prepared:**	02/22/23
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/22/23

Trunkline#1 (East)

3B21019-01 (Vapor)

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

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	118 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334907
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	1	**Prepared:**	02/22/23
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/22/23

Trunkline#2 (South)

3B21019-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**480**	ug/L	20	**120**	ppmv	4.9

Surrogates	**%REC**	**%REC Limits**
a,a,a-Trifluorotoluene	86.3 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334907
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	1	**Prepared:**	02/22/23
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/22/23

Trunkline#3 (Central S)

3B21019-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**4400**	ug/L	20	**1100**	ppmv	4.9

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334907
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	1	**Prepared:**	02/22/23
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/22/23

Trunkline#4 (Central E)

3B21019-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**2500**	ug/L	20	**610**	ppmv	4.9

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334907
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Matrix:	Vapor	**Sampled:**	02/21/23
Dilution:	1	**Prepared:**	02/22/23
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/22/23

Trunkline#5 (Central W)

3B21019-05 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**600**	ug/L	20	**150**	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:**	A5334907
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	02/21/23	02/21/23	02/21/23	02/21/23	
Date Prepared:	02/22/23	02/22/23	02/22/23	02/22/23	
Date Analyzed:	02/22/23	02/22/23	02/22/23	02/22/23	
AA ID No:	3B21019-01	3B21019-02	3B21019-03	3B21019-04	
Client ID No:	Trunkline#1 (East)	Trunkline#2 (South)	Trunkline#3 (Central S)	Trunkline#4 (Central E)	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	1	MRL
VOCs in Vapor as Hexane (EPA 8015M)					
Total VOCs as Hexane	**190**	**88**	**810**	**460**	4.9

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334907
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23
Method:	VOCs in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	02/21/23	
Date Prepared:	02/22/23	
Date Analyzed:	02/22/23	
AA ID No:	3B21019-05	
Client ID No:	Trunkline#5 (Central W)	
Matrix:	Vapor	
Dilution Factor:	1	MRL

VOCs in Vapor as Hexane (EPA 8015M)

Total VOCs as Hexane	**110**	4.9

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5334907
Date Received: 02/21/23
Date Reported: 03/07/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B3B2251 - *** DEFAULT PREP ****										
Blank (B3B2251-BLK1)				Prepared & Analyzed: 02/22/23						
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	*49.0*		*ug/L*	*50.0*		*98.0*	*70-140*			
Surrogate: Dibromofluoromethane	*50.6*		*ug/L*	*50.0*		*101*	*70-140*			
Surrogate: Toluene-d8	*51.9*		*ug/L*	*50.0*		*104*	*70-140*			
LCS (B3B2251-BS1)				Prepared & Analyzed: 02/22/23						
Benzene	**20.9**	0.50	ug/L	20.0		105	75-125			
Ethylbenzene	**19.2**	0.50	ug/L	20.0		95.9	75-125			
Methyl-tert-Butyl Ether (MTBE)	**44.5**	2.0	ug/L	40.0		111	75-125			
Toluene	**19.5**	0.50	ug/L	20.0		97.4	75-125			
o-Xylene	**20.8**	0.50	ug/L	20.0		104	75-125			
m,p-Xylenes	**41.0**	1.0	ug/L	40.0		103	75-125			
Surrogate: 4-Bromofluorobenzene	*42.8*		*ug/L*	*50.0*		*85.6*	*70-140*			
Surrogate: Dibromofluoromethane	*47.4*		*ug/L*	*50.0*		*94.8*	*70-140*			
Surrogate: Toluene-d8	*46.0*		*ug/L*	*50.0*		*92.1*	*70-140*			
LCS Dup (B3B2251-BSD1)				Prepared & Analyzed: 02/22/23						
Benzene	**23.4**	0.50	ug/L	20.0		117	75-125	11.0	30	
Ethylbenzene	**22.2**	0.50	ug/L	20.0		111	75-125	14.6	30	
Methyl-tert-Butyl Ether (MTBE)	**32.8**	2.0	ug/L	40.0		82.0	75-125	30.4	30	QR-02
Toluene	**23.2**	0.50	ug/L	20.0		116	75-125	17.2	30	
o-Xylene	**23.6**	0.50	ug/L	20.0		118	75-125	12.2	30	
m,p-Xylenes	**44.7**	1.0	ug/L	40.0		112	75-125	8.65	30	
Surrogate: 4-Bromofluorobenzene	*45.0*		*ug/L*	*50.0*		*90.0*	*70-140*			
Surrogate: Dibromofluoromethane	*51.3*		*ug/L*	*50.0*		*103*	*70-140*			
Surrogate: Toluene-d8	*50.4*		*ug/L*	*50.0*		*101*	*70-140*			
Duplicate (B3B2251-DUP1)				**Source: 3B21015-01** Prepared & Analyzed: 02/22/23						

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: A5334907
Date Received: 02/21/23
Date Reported: 03/07/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B3B2251 - *** DEFAULT PREP ****										
Duplicate (B3B2251-DUP1) Continued			**Source: 3B21015-01**	Prepared & Analyzed: 02/22/23						
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	*44.9*		*ug/L*	*50.0*		*89.9*	*70-140*			
Surrogate: Dibromofluoromethane	*50.2*		*ug/L*	*50.0*		*100*	*70-140*			
Surrogate: Toluene-d8	*50.9*		*ug/L*	*50.0*		*102*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B3B2254 - *** DEFAULT PREP ****										
Blank (B3B2254-BLK1)				Prepared & Analyzed: 02/22/23						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*47.6*		*ug/L*	*50.0*		*95.3*	*70-130*			
LCS (B3B2254-BS1)				Prepared & Analyzed: 02/22/23						
Gasoline Range Organics (GRO)	**464**	20	ug/L	500		92.9	75-125			
Surrogate: a,a,a-Trifluorotoluene	*59.5*		*ug/L*	*50.0*		*119*	*70-130*			
LCS Dup (B3B2254-BSD1)				Prepared & Analyzed: 02/22/23						
Gasoline Range Organics (GRO)	**554**	20	ug/L	500		111	75-125	17.7	30	
Surrogate: a,a,a-Trifluorotoluene	*61.3*		*ug/L*	*50.0*		*123*	*70-130*			
Duplicate (B3B2254-DUP1)			**Source: 3B21015-01**	Prepared & Analyzed: 02/22/23						
Gasoline Range Organics (GRO)	**59.0**	20	ug/L		72.8			20.9	30	
Surrogate: a,a,a-Trifluorotoluene	*42.2*		*ug/L*	*50.0*		*84.4*	*70-130*			
VOCs in Vapor as Hexane - Quality Control										
*Batch B3B2254 - *** DEFAULT PREP ****										
Blank (B3B2254-BLK1)				Prepared & Analyzed: 02/22/23						
Total VOCs as Hexane	<4.9	4.9	ppmv							
Duplicate (B3B2254-DUP1)			**Source: 3B21015-01**	Prepared & Analyzed: 02/22/23						

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: A5334907
Date Received: 02/21/23
Date Reported: 03/07/23

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor as Hexane - Quality Control										
*Batch B3B2254 - *** DEFAULT PREP ****										
Duplicate (B3B2254-DUP1) Continued	**Source: 3B21015-01**		Prepared & Analyzed: 02/22/23							
Total VOCs as Hexane	**10.9**	4.9	ppmv		13.4			20.9	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5334907
Project No:	04-NDLA-013	**Date Received:**	02/21/23
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/07/23

Special Notes

[1] = **QR-02** : The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

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

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

26281

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.	AA ID	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX//MTBE 8260B
Trunkline#1 (East)	3B21019-01	2-21-23	1007	Air	1	✓	✓	✓
Trunkline#2 (South)	-02	↓	1011	Air	1	✓	✓	✓
Trunkline#3 (Central S)	-03	↓	1017	Air	1	✓	✓	✓
Trunkline#4 (Central E)	-04	↓	1019	Air	1	✓	✓	✓
Trunkline#5 (Central W)	-05	↓	1013	Air	1	✓	✓	✓

Special Instructions

VOC's reported as GRO (detection limit =4.9 ppmv) and VOCs as Hexane (detection limit = 4.9 ppmv) Benzene (detection limit = 0.15 ppmv)

PRIORITY Rush Date 2/22/23 Time 0700

'23 FEB 21 16:31

A5334907 / 3B21019

Relinquished by	Date	Time	Received by
Glenn Androsko	2-21-23	11:57	[signature]
[signature]	2/21/23	1631	[signature]

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

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

enthalpy.com

Lab Job Number: 478022
Report Level: II
Report Date: 02/06/2023

Analytical Report *prepared for:*

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

Project: PERMIT #22453_WW - WW

Authorized for release by:

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

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

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

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	478022
Project No:	PERMIT #22453_WW
Location:	WW
Date Received:	01/23/23

Sample ID	Lab ID	Collected	Matrix
SURGE TANK_01-23-23	478022-001	01/23/23 09:37	Water
EFFLUENT_01-23-23	478022-002	01/23/23 09:10	Water

478022

1.4/13.3

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

ENTHALPY ANALYTICAL

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

	Sample ID	Date	Time	Matrix	Container	Pres.	8015 TPHD (DRO)	8015 TPHG (GRO)	624-VOCs (BTEX & m,p-xylenes & Oxygenates)	Test Instruction & Comments
1	Surge Tank_01-23-23	1-23-23	0937	W	*	*	X	X	X	Enthalpy Quote No.: APEX_012120
2	Effluent_01-23-23	"	0910	W	*	*	X	X	X	*TPHD - 1L amber, unpreserved
3										*TPHG - 3x 40ml VOA vials w/HCl
4										*624-VOCs - 3x 40ml VOA vials w/HCl
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										

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

Relinquished By:	Received By:	Relinquished By:	Received By:	Authorized By:
Glenn Androsko				
Print Name: Glenn Androsko	Print Name: Annaleisa Smalkowski	Print Name:	Print Name:	
Date: 1-23-23 Time: 1630	Date: 1/23/23 Time: 1630	Date: Time:	Date: Time:	
Relinquished By:	Received By:	Relinquished By:	Received By:	
Print Name:	Print Name:	Print Name:	Print Name:	
Date: Time:	Date: Time:	Date: Time:	Date: Time:	

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: APEX - Signal Hills Project: WW

Date Received: 1/23/23 Sampler's Name Present: ☐ Yes ☒ No

Section 2

Sample(s) received in a cooler? ☒ Yes, How many? 1 ☒ No (skip section 2) AS 1/23

Sample Temp (°C) (No Cooler) ~~4.6~~ AS 1/23

Sample Temp (°C), One from each cooler: #1: 13.3 #2: _____ #3: _____ #4: _____

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

Shipping Information: _____

Section 3

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

Cooler Temp (°C): #1: 1.4 #2: _____ #3: _____ #4: _____

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

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: 1/23/23

ENTHALPY ANALYTICAL

Analysis Results for 478022

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

Lab Job #: 478022
Project No: PERMIT #22453_WW
Location: WW
Date Received: 01/23/23

Sample ID: SURGE TANK_01-23-23 **Lab ID: 478022-001** **Collected: 01/23/23 09:37**
Matrix: Water

478022-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 624.1 Prep Method: EPA 624.1									
MTBE	ND		ug/L	5.0	1	305965	01/24/23	01/24/23	EJB
Isopropyl Ether (DIPE)	ND		ug/L	5.0	1	305965	01/24/23	01/24/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	1	305965	01/24/23	01/24/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	1	305965	01/24/23	01/24/23	EJB
tert-Butyl Alcohol (TBA)	**16**		ug/L	10	1	305965	01/24/23	01/24/23	EJB
m,p-Xylenes	ND		ug/L	10	1	305965	01/24/23	01/24/23	EJB
o-Xylene	ND		ug/L	5.0	1	305965	01/24/23	01/24/23	EJB
Benzene	ND		ug/L	5.0	1	305965	01/24/23	01/24/23	EJB
Toluene	ND		ug/L	0.5	1	305965	01/24/23	01/24/23	EJB
Ethylbenzene	ND		ug/L	5.0	1	305965	01/24/23	01/24/23	EJB
Xylene (total)	ND		ug/L	5.0	1	305965	01/24/23	01/24/23	EJB
Surrogates				**Limits**					
Dibromofluoromethane	101%		%REC	70-140	1	305965	01/24/23	01/24/23	EJB
1,2-Dichloroethane-d4	96%		%REC	70-140	1	305965	01/24/23	01/24/23	EJB
Toluene-d8	98%		%REC	70-140	1	305965	01/24/23	01/24/23	EJB
Bromofluorobenzene	101%		%REC	70-140	1	305965	01/24/23	01/24/23	EJB
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		ug/L	50	1	306661	02/01/23	02/01/23	LYZ
Surrogates				**Limits**					
Bromofluorobenzene (FID)	111%		%REC	60-140	1	306661	02/01/23	02/01/23	LYZ
Method: EPA 8015B Prep Method: EPA 3510C									
Diesel C10-C28	**0.61**		mg/L	0.096	0.96	306034	01/24/23	01/24/23	SME
Surrogates				**Limits**					
n-Triacontane	77%		%REC	35-130	0.96	306034	01/24/23	01/24/23	SME

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

ENTHALPY ANALYTICAL

Analysis Results for 478022

Sample ID: EFFLUENT_01-23-23	Lab ID: 478022-002	Collected: 01/23/23 09:10
	Matrix: Water	

478022-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 624.1 Prep Method: EPA 624.1									
MTBE	ND		ug/L	5.0	1	305965	01/24/23	01/24/23	EJB
Isopropyl Ether (DIPE)	ND		ug/L	5.0	1	305965	01/24/23	01/24/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	1	305965	01/24/23	01/24/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	1	305965	01/24/23	01/24/23	EJB
tert-Butyl Alcohol (TBA)	ND		ug/L	10	1	305965	01/24/23	01/24/23	EJB
m,p-Xylenes	ND		ug/L	10	1	305965	01/24/23	01/24/23	EJB
o-Xylene	ND		ug/L	5.0	1	305965	01/24/23	01/24/23	EJB
Benzene	ND		ug/L	5.0	1	305965	01/24/23	01/24/23	EJB
Toluene	ND		ug/L	0.5	1	305965	01/24/23	01/24/23	EJB
Ethylbenzene	ND		ug/L	5.0	1	305965	01/24/23	01/24/23	EJB
Xylene (total)	ND		ug/L	5.0	1	305965	01/24/23	01/24/23	EJB
Surrogates				**Limits**					
Dibromofluoromethane	103%		%REC	70-140	1	305965	01/24/23	01/24/23	EJB
1,2-Dichloroethane-d4	97%		%REC	70-140	1	305965	01/24/23	01/24/23	EJB
Toluene-d8	98%		%REC	70-140	1	305965	01/24/23	01/24/23	EJB
Bromofluorobenzene	100%		%REC	70-140	1	305965	01/24/23	01/24/23	EJB
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		ug/L	50	1	306661	02/01/23	02/01/23	LYZ
Surrogates				**Limits**					
Bromofluorobenzene (FID)	97%		%REC	60-140	1	306661	02/01/23	02/01/23	LYZ
Method: EPA 8015B Prep Method: EPA 3510C									
Diesel C10-C28	ND		mg/L	0.096	0.96	306034	01/24/23	01/24/23	SME
Surrogates				**Limits**					
n-Triacontane	75%		%REC	35-130	0.96	306034	01/24/23	01/24/23	SME

ND Not Detected

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

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC1040628	**Batch:** 305965
Matrix: Water	**Method:** EPA 624.1	**Prep Method:** EPA 624.1

QC1040628 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
MTBE	48.91	50.00	ug/L	98%		70-130
Isopropyl Ether (DIPE)	46.54	50.00	ug/L	93%		70-130
Ethyl tert-Butyl Ether (ETBE)	48.57	50.00	ug/L	97%		70-130
Methyl tert-Amyl Ether (TAME)	48.04	50.00	ug/L	96%		70-130
tert-Butyl Alcohol (TBA)	219.7	250.0	ug/L	88%		48-125
m,p-Xylenes	100.5	100.0	ug/L	100%		70-130
o-Xylene	51.13	50.00	ug/L	102%		70-130
Benzene	48.19	50.00	ug/L	96%		70-130
Toluene	48.14	50.00	ug/L	96%		70-130
Ethylbenzene	50.11	50.00	ug/L	100%		70-130
Surrogates						
Dibromofluoromethane	50.77	50.00	ug/L	102%		70-140
1,2-Dichloroethane-d4	47.23	50.00	ug/L	94%		70-140
Toluene-d8	50.69	50.00	ug/L	101%		70-140
Bromofluorobenzene	50.63	50.00	ug/L	101%		70-140

Type: Lab Control Sample Duplicate	**Lab ID:** QC1040629	**Batch:** 305965
Matrix: Water	**Method:** EPA 624.1	**Prep Method:** EPA 624.1

QC1040629 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
MTBE	50.26	50.00	ug/L	101%		70-130	3	30
Isopropyl Ether (DIPE)	47.03	50.00	ug/L	94%		70-130	1	30
Ethyl tert-Butyl Ether (ETBE)	49.09	50.00	ug/L	98%		70-130	1	30
Methyl tert-Amyl Ether (TAME)	49.17	50.00	ug/L	98%		70-130	2	30
tert-Butyl Alcohol (TBA)	231.7	250.0	ug/L	93%		48-125	5	30
m,p-Xylenes	99.05	100.0	ug/L	99%		70-130	1	30
o-Xylene	50.53	50.00	ug/L	101%		70-130	1	30
Benzene	48.71	50.00	ug/L	97%		70-130	1	30
Toluene	47.62	50.00	ug/L	95%		70-130	1	30
Ethylbenzene	49.34	50.00	ug/L	99%		70-130	2	30
Surrogates								
Dibromofluoromethane	51.34	50.00	ug/L	103%		70-140		
1,2-Dichloroethane-d4	49.77	50.00	ug/L	100%		70-140		
Toluene-d8	49.96	50.00	ug/L	100%		70-140		
Bromofluorobenzene	50.42	50.00	ug/L	101%		70-140		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1040632	Batch: 305965
Matrix: Water	Method: EPA 624.1	Prep Method: EPA 624.1

QC1040632 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
MTBE	ND		ug/L	5.0	01/24/23	01/24/23
Isopropyl Ether (DIPE)	ND		ug/L	5.0	01/24/23	01/24/23
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	01/24/23	01/24/23
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	01/24/23	01/24/23
tert-Butyl Alcohol (TBA)	ND		ug/L	10	01/24/23	01/24/23
m,p-Xylenes	ND		ug/L	10	01/24/23	01/24/23
o-Xylene	ND		ug/L	5.0	01/24/23	01/24/23
Benzene	ND		ug/L	5.0	01/24/23	01/24/23
Toluene	ND		ug/L	0.5	01/24/23	01/24/23
Ethylbenzene	ND		ug/L	5.0	01/24/23	01/24/23
Xylene (total)	ND		ug/L	5.0	01/24/23	01/24/23
Surrogates				**Limits**		
Dibromofluoromethane	102%		%REC	70-140	01/24/23	01/24/23
1,2-Dichloroethane-d4	98%		%REC	70-140	01/24/23	01/24/23
Toluene-d8	100%		%REC	70-140	01/24/23	01/24/23
Bromofluorobenzene	101%		%REC	70-140	01/24/23	01/24/23

Type: Blank	Lab ID: QC1040862	Batch: 306034
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 3510C

QC1040862 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Diesel C10-C28	ND		mg/L	0.10	01/24/23	01/24/23
Surrogates				**Limits**		
n-Triacontane	78%		%REC	35-130	01/24/23	01/24/23

Type: Lab Control Sample	Lab ID: QC1040863	Batch: 306034
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 3510C

QC1040863 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	0.7623	1.000	mg/L	76%		42-120
Surrogates						
n-Triacontane	0.01452	0.02000	mg/L	73%		35-130

Type: Lab Control Sample Duplicate	Lab ID: QC1040864	Batch: 306034
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 3510C

QC1040864 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	0.7930	1.000	mg/L	79%		42-120	4	36
Surrogates								
n-Triacontane	0.01326	0.02000	mg/L	66%		35-130		

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1042702	Batch: 306661
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 5030B

QC1042702 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	546.7	500.0	ug/L	109%		70-130
Surrogates						
Bromofluorobenzene (FID)	195.5	200.0	ug/L	98%		60-140

Type: Lab Control Sample Duplicate	Lab ID: QC1042703	Batch: 306661
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 5030B

QC1042703 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
TPH Gasoline	559.7	500.0	ug/L	112%		70-130	2	30
Surrogates								
Bromofluorobenzene (FID)	201.0	200.0	ug/L	100%		60-140		

Type: Matrix Spike	Lab ID: QC1042704	Batch: 306661
Matrix (Source ID): Water (478022-002)	Method: EPA 8015B	Prep Method: EPA 5030B

QC1042704 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
TPH Gasoline	582.0	ND	500.0	ug/L	116%		70-130	1
Surrogates								
Bromofluorobenzene (FID)	221.0		200.0	ug/L	110%		60-140	1

Type: Matrix Spike Duplicate	Lab ID: QC1042705	Batch: 306661
Matrix (Source ID): Water (478022-002)	Method: EPA 8015B	Prep Method: EPA 5030B

QC1042705 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
TPH Gasoline	558.7	ND	500.0	ug/L	112%		70-130	4	30	1
Surrogates										
Bromofluorobenzene (FID)	199.9		200.0	ug/L	100%		60-140			1

Type: Blank	Lab ID: QC1042706	Batch: 306661
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 5030B

QC1042706 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		ug/L	50	02/01/23	02/01/23
Surrogates				**Limits**		
Bromofluorobenzene (FID)	101%		%REC	60-140	02/01/23	02/01/23

ENTHALPY ANALYTICAL

Batch QC

ND Not Detected

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

enthalpy.com

Lab Job Number: 479598
Report Level: II
Report Date: 03/07/2023

Analytical Report *prepared for:*

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

Project: PERMIT #22453_WW - WW

Authorized for release by:

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

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

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

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	479598
Project No:	PERMIT #22453_WW
Location:	WW
Date Received:	02/15/23

Sample ID	Lab ID	Collected	Matrix
EFFLUENT-GRAB_02-15-23	479598-001	02/15/23 12:40	Water
EFFLUENT-COMP_02-15-23	479598-002	02/15/23 13:37	Water

ENTHALPY ANALYTICAL

Case Narrative

APEX - Signal Hill	Lab Job Number: 479598
1962 Freeman Avenue	Project No: PERMIT #22453_WW
Signal Hill, CA 90755	Location: WW
Imelda Morales	Date Received: 02/15/23

This data package contains sample and QC results for two water samples, requested for the above referenced project on 02/15/23. The samples were received cold and intact.

Metals (EPA 200.7 and EPA 245.1):

- High response was observed for silicon in the ICV analyzed 02/15/23 15:21; affected data was qualified with "b".
- High responses were observed for silicon and silicon, as silica in the CCV analyzed 02/17/23 14:20; affected data was qualified with "b".
- High responses were observed for silicon and silicon, as silica in the CCV analyzed 02/17/23 15:03; affected data was qualified with "b".
- Low recoveries were observed for silver in the MS/MSD for batch 307843; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

4795 98

3.1/18.0

CHAIN OF CUSTODY RECORD

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

ENTHALPY ANALYTICAL

www.enthalpy.com

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

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

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

Turn Around Time

Standard	X
72 Hours	
48 Hours	
24 Hours	
Same Day	

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

ENTHALPY ANALYTICAL

CUSTOMER INFORMATION

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

PROJECT INFORMATION

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

Analysis

	Sample ID	Date	Time	Matrix	Container	Pres.	8015 TPHD (DRO)	8015 TPHG (GRO)	2540D TSS	5220-D COD	4500-S-D Soluble Sulfide	4500HB pH Field	624-VOCs (BTEX plus m,p xylenes & Oxygenates *	625 SVOCs	EPA 200.7-Total As, Cd, Cr, Cu, Pb, Ni, Ag, Zn, SiO2, V	EPA 245.1-Mercury (Hg)	4500P-E (PO4)					Test Instruction & Comments
1	Effluent-Grab_02-15-23	02-15-23	1240	W	*	*	X	X			X	X	X	X	X	X	X					*TPHD - 1L amber, unpreserved *TPHG - 3x 40ml VOA vials w/HCl
2	Effluent-Comp_02-15-23	"	1337	W	*	*			X	X												*TSS - 1L poly, unpreserved
3																						*COD - 500ml poly w/H2SO4
4																						*Soluable Sulfide - 1x 500ml poly w/ALCL+NAOH
5																						(bottle A) + 1x 500ml poly w/ZNAC+NAOH (bottle B).
6																						After flocculation in bottle A, clear fluid only needs to be poured into bottle B.
7																						*pH - 250ml poly, unpreserved
8																						*VOCs - 3x 40ml VOA vials w/HCl
9																						-Please see attached list of additional VOC analytes requested.
10																						*SVOCs - 1L amber, unpreserved
11																						*Metals (Total As, Cd, Cr, Cu, Pb, Ni, Ag, Zn, SiO2, V) - 250ml poly w/HNO3
12																						*Mercury (Hg) - Included with 'Metals', not a separate container
13																						*Phosphate (PO4) - 500ml poly w/H2SO4
14																						

Enthalpy Quote No.: APEX_012120

Meter Readings		pH	Temp.	Time
1) Begin:	Effluent	6.68	21.0	1240
End:				
2) Begin:				
End:				
3) Begin:				
End:				
4) Begin:				
End:				

Relinquished By: 1	Received By: 1	Relinquished By: 2	Received By: 2	Authorized By:
Glenn Androsko				
Print Name: Glenn Androsko	Print Name: Annalexia Maldonado	Print Name:	Print Name:	
Date: 2-15-23 Time: 1615	Date: 2/15/23 Time: 1615	Date: Time:	Date: Time:	
Relinquished By: 3	Received By: 3	Relinquished By: 4	Received By: 4	
Print Name:	Print Name:	Print Name:	Print Name:	
Date: Time:	Date: Time:	Date: Time:	Date: Time:	

ENTHALPY

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: APEX Project: WW

Date Received: 2/15/23 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: 18.0 #2: #3: #4:

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

Shipping Information:

Section 3

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

Cooler Temp (°C): #1: 3.1 #2: #3: #4:

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

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: 2/15/23

ENTHALPY ANALYTICAL

Analysis Results for 479598

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

Lab Job #: 479598
Project No: PERMIT #22453_WW
Location: WW
Date Received: 02/15/23

Sample ID:	Lab ID: 479598-001	Collected: 02/15/23 12:40
EFFLUENT-GRAB_02-15-23	Matrix: Water	

479598-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.7 Prep Method: EPA 200.7									
Cadmium	ND		mg/L	0.0050	1	307843	02/17/23	02/17/23	SBW
Silicon	**15**	b	mg/L	1.0	1	307843	02/17/23	02/17/23	SBW
Chromium	ND		mg/L	0.010	1	307843	02/17/23	02/17/23	SBW
Copper	ND		mg/L	0.010	1	307843	02/17/23	02/17/23	SBW
Lead	ND		mg/L	0.010	1	307843	02/17/23	02/17/23	SBW
Nickel	ND		mg/L	0.010	1	307843	02/17/23	02/17/23	SBW
Silver	ND		mg/L	0.0050	1	307843	02/17/23	02/17/23	SBW
Zinc	ND		mg/L	0.050	1	307843	02/17/23	02/17/23	SBW
Arsenic	**0.019**		mg/L	0.010	1	307843	02/17/23	02/17/23	SBW
Silicon, as Silica	**33**	b	mg/L	2.1	1	307843	02/17/23	02/17/23	SBW
Vanadium	ND		mg/L	0.010	1	307843	02/17/23	02/17/23	SBW
Method: EPA 245.1 Prep Method: METHOD									
Mercury	ND		ug/L	0.40	1	307778	02/16/23	02/17/23	KAM
Method: EPA 624.1 Prep Method: EPA 624.1									
MTBE	ND		ug/L	5.0	1	307736	02/16/23	02/16/23	LYZ
Isopropyl Ether (DIPE)	ND		ug/L	5.0	1	307736	02/16/23	02/16/23	LYZ
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	1	307736	02/16/23	02/16/23	LYZ
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	1	307736	02/16/23	02/16/23	LYZ
tert-Butyl Alcohol (TBA)	ND		ug/L	10	1	307736	02/16/23	02/16/23	LYZ
m,p-Xylenes	ND		ug/L	10	1	307736	02/16/23	02/16/23	LYZ
o-Xylene	ND		ug/L	5.0	1	307736	02/16/23	02/16/23	LYZ
Benzene	ND		ug/L	5.0	1	307736	02/16/23	02/16/23	LYZ
Toluene	ND		ug/L	0.5	1	307736	02/16/23	02/16/23	LYZ
Ethylbenzene	ND		ug/L	5.0	1	307736	02/16/23	02/16/23	LYZ
Xylene (total)	ND		ug/L	5.0	1	307736	02/16/23	02/16/23	LYZ
Surrogates				**Limits**					
Dibromofluoromethane	100%		%REC	70-140	1	307736	02/16/23	02/16/23	LYZ
1,2-Dichloroethane-d4	92%		%REC	70-140	1	307736	02/16/23	02/16/23	LYZ
Toluene-d8	103%		%REC	70-140	1	307736	02/16/23	02/16/23	LYZ
Bromofluorobenzene	95%		%REC	70-140	1	307736	02/16/23	02/16/23	LYZ
Method: EPA 625.1 Prep Method: EPA 3510C									
Benzoic acid	ND		ug/L	48	0.96	307965	02/20/23	02/20/23	TJW

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

ENTHALPY ANALYTICAL

Analysis Results for 479598

479598-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Benzidine	ND		ug/L	48	0.96	307965	02/20/23	02/20/23	TJW
Benzyl alcohol	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
4-Chloroaniline	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
Dibenzofuran	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
2-Methylphenol	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
2-Methylnaphthalene	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
2-Nitroaniline	ND		ug/L	48	0.96	307965	02/20/23	02/20/23	TJW
3-Nitroaniline	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
4-Nitroaniline	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
2,4,5-Trichlorophenol	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
N-Nitrosodimethylamine	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
Phenol	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
bis(2-Chloroethyl)ether	ND		ug/L	24	0.96	307965	02/20/23	02/20/23	TJW
2-Chlorophenol	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
1,3-Dichlorobenzene	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
1,4-Dichlorobenzene	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
1,2-Dichlorobenzene	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
bis(2-Chloroisopropyl) ether	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
N-Nitroso-di-n-propylamine	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
Hexachloroethane	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
Nitrobenzene	ND		ug/L	24	0.96	307965	02/20/23	02/20/23	TJW
Isophorone	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
2-Nitrophenol	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
2,4-Dimethylphenol	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
bis(2-Chloroethoxy)methane	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
2,4-Dichlorophenol	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
1,2,4-Trichlorobenzene	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
Naphthalene	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
Hexachlorobutadiene	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
4-Chloro-3-methylphenol	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
Hexachlorocyclopentadiene	ND		ug/L	24	0.96	307965	02/20/23	02/20/23	TJW
2,4,6-Trichlorophenol	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
2-Chloronaphthalene	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
Dimethylphthalate	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
Acenaphthylene	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
2,6-Dinitrotoluene	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
Acenaphthene	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
2,4-Dinitrophenol	ND		ug/L	48	0.96	307965	02/20/23	02/20/23	TJW
4-Nitrophenol	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
2,4-Dinitrotoluene	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
Diethylphthalate	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
Fluorene	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
4-Chlorophenyl-phenylether	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
4,6-Dinitro-2-methylphenol	ND		ug/L	48	0.96	307965	02/20/23	02/20/23	TJW
N-Nitrosodiphenylamine	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW

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

ENTHALPY ANALYTICAL

Analysis Results for 479598

479598-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
4-Bromophenyl-phenylether	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
Hexachlorobenzene	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
Pentachlorophenol	ND		ug/L	24	0.96	307965	02/20/23	02/20/23	TJW
Phenanthrene	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
Anthracene	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
Di-n-butylphthalate	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
Fluoranthene	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
Pyrene	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
Butylbenzylphthalate	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
3,3'-Dichlorobenzidine	ND		ug/L	24	0.96	307965	02/20/23	02/20/23	TJW
Benzo(a)anthracene	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
Chrysene	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
bis(2-Ethylhexyl)phthalate	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
Di-n-octylphthalate	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
Benzo(b)fluoranthene	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
Benzo(k)fluoranthene	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
Benzo(a)pyrene	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
Dibenz(a,h)anthracene	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
Benzo(g,h,i)perylene	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
3-,4-Methylphenol	ND		ug/L	9.6	0.96	307965	02/20/23	02/20/23	TJW
Surrogates				**Limits**					
2-Fluorophenol	49%		%REC	10-140	0.96	307965	02/20/23	02/20/23	TJW
Phenol-d6	28%		%REC	10-140	0.96	307965	02/20/23	02/20/23	TJW
2,4,6-Tribromophenol	97%		%REC	12-140	0.96	307965	02/20/23	02/20/23	TJW
Nitrobenzene-d5	91%		%REC	10-140	0.96	307965	02/20/23	02/20/23	TJW
2-Fluorobiphenyl	83%		%REC	11-140	0.96	307965	02/20/23	02/20/23	TJW
Terphenyl-d14	89%		%REC	20-140	0.96	307965	02/20/23	02/20/23	TJW
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		ug/L	50	1	307772	02/16/23	02/16/23	LYZ
Surrogates				**Limits**					
Bromofluorobenzene (FID)	114%		%REC	60-140	1	307772	02/16/23	02/16/23	LYZ
Method: EPA 8015B Prep Method: EPA 3510C									
Diesel C10-C28	ND		mg/L	0.095	0.95	307752	02/16/23	02/17/23	SME
Surrogates				**Limits**					
n-Triacontane	86%		%REC	35-130	0.95	307752	02/16/23	02/17/23	SME
Method: SM 2550B									
Field Source Temperature	**21.0**		deg C		1	308389	02/15/23 12:40	02/15/23 12:40	SBC
Method: SM 4500-H+ B									
Field pH	**6.7**		SU		1	308389	02/15/23 12:40	02/15/23 12:40	SBC
Method: SM 4500-P-B2-E									
Total Phosphate as P	**0.032**		mg/L	0.020	1	307826	02/17/23	02/17/23	ATP
Total Phosphate as PO4	**0.098**		mg/L	0.060	1	307826	02/17/23	02/17/23	ATP

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

Analysis Results for 479598

479598-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM 4500-S2-D Prep Method: METHOD									
Dissolved Sulfide	ND		mg/L	0.10	1	308028	02/16/23 09:00	02/16/23 09:00	ATP

Sample ID: EFFLUENT-COMP_02-15-23 **Lab ID:** 479598-002 **Collected:** 02/15/23 13:37
Matrix: Water

479598-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540D Prep Method: METHOD									
Total Suspended Solids	**6.6**		mg/L	0.6	1.1	307812	02/16/23	02/16/23	DNA
Method: SM5220D Prep Method: METHOD									
Chemical Oxygen Demand	**21**		mg/L	4.0	1	308015	02/18/23	02/18/23	ATP

ND Not Detected
b See narrative

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

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1046328	**Batch:** 307843
Matrix: Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC1046328 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Cadmium	ND		mg/L	0.0050	02/17/23	02/17/23
Silicon	ND		mg/L	1.0	02/17/23	02/17/23
Chromium	ND		mg/L	0.010	02/17/23	02/17/23
Copper	ND		mg/L	0.010	02/17/23	02/17/23
Lead	ND		mg/L	0.010	02/17/23	02/17/23
Nickel	ND		mg/L	0.010	02/17/23	02/17/23
Silver	ND		mg/L	0.0050	02/17/23	02/17/23
Zinc	ND		mg/L	0.050	02/17/23	02/17/23
Arsenic	ND		mg/L	0.010	02/17/23	02/17/23
Silicon, as Silica	ND		mg/L	2.1	02/17/23	02/17/23
Vanadium	ND		mg/L	0.010	02/17/23	02/17/23

Type: Lab Control Sample	**Lab ID:** QC1046329	**Batch:** 307843
Matrix: Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC1046329 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Cadmium	0.3465	0.4000	mg/L	87%		85-115
Chromium	0.4031	0.4000	mg/L	101%		85-115
Copper	0.3383	0.4000	mg/L	85%		85-115
Lead	0.3713	0.4000	mg/L	93%		85-115
Nickel	0.3563	0.4000	mg/L	89%		85-115
Silver	0.1779	0.2000	mg/L	89%		85-115
Zinc	0.4060	0.4000	mg/L	102%		85-115
Arsenic	0.4030	0.4000	mg/L	101%		85-115
Vanadium	0.3718	0.4000	mg/L	93%		85-115

Type: Matrix Spike	**Lab ID:** QC1046330	**Batch:** 307843
Matrix (Source ID): Water (479599-001)	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC1046330 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Cadmium	0.4097	0.02945	0.4000	mg/L	95%		75-125	1
Chromium	0.4217	0.01996	0.4000	mg/L	100%		75-125	1
Copper	0.4064	0.01045	0.4000	mg/L	99%		75-125	1
Lead	0.3965	ND	0.4000	mg/L	99%		75-125	1
Nickel	0.5477	0.1748	0.4000	mg/L	93%		75-125	1
Silver	0.4281	0.3487	0.2000	mg/L	40%	*	75-125	1
Zinc	0.5364	0.1416	0.4000	mg/L	99%		75-125	1
Arsenic	0.4399	ND	0.4000	mg/L	110%		75-125	1
Vanadium	0.3996	ND	0.4000	mg/L	100%		75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1046331**	**Batch:**	**307843**
Matrix (Source ID):	**Water (479599-001)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC1046331 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Cadmium	0.4088	0.02945	0.4000	mg/L	95%		75-125	0	20	1
Chromium	0.4205	0.01996	0.4000	mg/L	100%		75-125	0	20	1
Copper	0.4038	0.01045	0.4000	mg/L	98%		75-125	1	20	1
Lead	0.3936	ND	0.4000	mg/L	98%		75-125	1	20	1
Nickel	0.5396	0.1748	0.4000	mg/L	91%		75-125	2	20	1
Silver	0.4218	0.3487	0.2000	mg/L	37%	*	75-125	1	20	1
Zinc	0.5273	0.1416	0.4000	mg/L	96%		75-125	2	20	1
Arsenic	0.4393	ND	0.4000	mg/L	110%		75-125	0	20	1
Vanadium	0.3988	ND	0.4000	mg/L	100%		75-125	0	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC1046332**	**Batch:**	**307843**
Matrix (Source ID):	**Water (479613-001)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC1046332 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Cadmium	0.3662	ND	0.4000	mg/L	92%		75-125	1
Chromium	0.4379	0.02554	0.4000	mg/L	103%		75-125	1
Copper	0.4015	0.04102	0.4000	mg/L	90%		75-125	1
Lead	0.3900	ND	0.4000	mg/L	97%		75-125	1
Nickel	0.3617	ND	0.4000	mg/L	90%		75-125	1
Silver	0.1875	ND	0.2000	mg/L	94%		75-125	1
Zinc	0.4108	ND	0.4000	mg/L	103%		75-125	1
Arsenic	0.4246	ND	0.4000	mg/L	106%		75-125	1
Vanadium	0.3962	0.006510	0.4000	mg/L	97%		75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1046333	Batch:	307843
Matrix (Source ID):	Water (479613-001)	Method:	EPA 200.7	Prep Method:	EPA 200.7

QC1046333 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Cadmium	0.3560	ND	0.4000	mg/L	89%		75-125	3	20	1
Chromium	0.4251	0.02554	0.4000	mg/L	100%		75-125	3	20	1
Copper	0.3926	0.04102	0.4000	mg/L	88%		75-125	2	20	1
Lead	0.3743	ND	0.4000	mg/L	94%		75-125	4	20	1
Nickel	0.3514	ND	0.4000	mg/L	88%		75-125	3	20	1
Silver	0.1821	ND	0.2000	mg/L	91%		75-125	3	20	1
Zinc	0.4092	ND	0.4000	mg/L	102%		75-125	0	20	1
Arsenic	0.4190	ND	0.4000	mg/L	105%		75-125	1	20	1
Vanadium	0.3832	0.006510	0.4000	mg/L	94%		75-125	3	20	1

Type:	Blank	Lab ID:	QC1046143	Batch:	307778
Matrix:	Water	Method:	EPA 245.1	Prep Method:	METHOD

QC1046143 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		ug/L	0.40	02/16/23	02/17/23

Type:	Lab Control Sample	Lab ID:	QC1046144	Batch:	307778
Matrix:	Water	Method:	EPA 245.1	Prep Method:	METHOD

QC1046144 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	4.860	5.000	ug/L	97%		85-115

Type:	Matrix Spike	Lab ID:	QC1046310	Batch:	307778
Matrix (Source ID):	Water (479363-001)	Method:	EPA 245.1	Prep Method:	METHOD

QC1046310 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	4.859	ND	5.000	ug/L	97%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1046311	Batch:	307778
Matrix (Source ID):	Water (479363-001)	Method:	EPA 245.1	Prep Method:	METHOD

QC1046311 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	4.821	ND	5.000	ug/L	96%		75-125	1	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC1045997**	**Batch: 307736**
Matrix: Water	**Method: EPA 624.1**	**Prep Method: EPA 624.1**

QC1045997 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
MTBE	46.90	50.00	ug/L	94%		70-130
Isopropyl Ether (DIPE)	42.67	50.00	ug/L	85%		70-130
Ethyl tert-Butyl Ether (ETBE)	45.55	50.00	ug/L	91%		70-130
Methyl tert-Amyl Ether (TAME)	47.87	50.00	ug/L	96%		70-130
tert-Butyl Alcohol (TBA)	192.2	250.0	ug/L	77%		48-125
m,p-Xylenes	103.2	100.0	ug/L	103%		70-130
o-Xylene	52.31	50.00	ug/L	105%		70-130
Benzene	50.35	50.00	ug/L	101%		70-130
Toluene	49.77	50.00	ug/L	100%		70-130
Ethylbenzene	51.81	50.00	ug/L	104%		70-130
Surrogates						
Dibromofluoromethane	50.34	50.00	ug/L	101%		70-140
1,2-Dichloroethane-d4	45.38	50.00	ug/L	91%		70-140
Toluene-d8	50.18	50.00	ug/L	100%		70-140
Bromofluorobenzene	46.56	50.00	ug/L	93%		70-140

Type: Lab Control Sample Duplicate	**Lab ID: QC1045998**	**Batch: 307736**
Matrix: Water	**Method: EPA 624.1**	**Prep Method: EPA 624.1**

QC1045998 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
MTBE	45.54	50.00	ug/L	91%		70-130	3	30
Isopropyl Ether (DIPE)	40.59	50.00	ug/L	81%		70-130	5	30
Ethyl tert-Butyl Ether (ETBE)	42.98	50.00	ug/L	86%		70-130	6	30
Methyl tert-Amyl Ether (TAME)	45.82	50.00	ug/L	92%		70-130	4	30
tert-Butyl Alcohol (TBA)	196.7	250.0	ug/L	79%		48-125	2	30
m,p-Xylenes	96.67	100.0	ug/L	97%		70-130	7	30
o-Xylene	49.36	50.00	ug/L	99%		70-130	6	30
Benzene	48.19	50.00	ug/L	96%		70-130	4	30
Toluene	46.64	50.00	ug/L	93%		70-130	6	30
Ethylbenzene	48.50	50.00	ug/L	97%		70-130	7	30
Surrogates								
Dibromofluoromethane	49.55	50.00	ug/L	99%		70-140		
1,2-Dichloroethane-d4	45.68	50.00	ug/L	91%		70-140		
Toluene-d8	50.10	50.00	ug/L	100%		70-140		
Bromofluorobenzene	47.32	50.00	ug/L	95%		70-140		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1046003**	**Batch: 307736**
Matrix: Water	**Method: EPA 624.1**	**Prep Method: EPA 624.1**

QC1046003 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
MTBE	ND		ug/L	5.0	02/16/23	02/16/23
Isopropyl Ether (DIPE)	ND		ug/L	5.0	02/16/23	02/16/23
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	02/16/23	02/16/23
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	02/16/23	02/16/23
tert-Butyl Alcohol (TBA)	ND		ug/L	10	02/16/23	02/16/23
m,p-Xylenes	ND		ug/L	10	02/16/23	02/16/23
o-Xylene	ND		ug/L	5.0	02/16/23	02/16/23
Benzene	ND		ug/L	5.0	02/16/23	02/16/23
Toluene	ND		ug/L	0.5	02/16/23	02/16/23
Ethylbenzene	ND		ug/L	5.0	02/16/23	02/16/23
Xylene (total)	ND		ug/L	5.0	02/16/23	02/16/23
Surrogates				**Limits**		
Dibromofluoromethane	98%		%REC	70-140	02/16/23	02/16/23
1,2-Dichloroethane-d4	93%		%REC	70-140	02/16/23	02/16/23
Toluene-d8	101%		%REC	70-140	02/16/23	02/16/23
Bromofluorobenzene	95%		%REC	70-140	02/16/23	02/16/23

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Batch QC

Type:	**Blank**	**Lab ID:**	**QC1046914**	**Batch:**	**307965**
Matrix:	**Water**	**Method:**	**EPA 625.1**	**Prep Method:**	**EPA 3510C**

QC1046914 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Benzoic acid	ND		ug/L	50	02/20/23	02/20/23
Benzidine	ND		ug/L	50	02/20/23	02/20/23
Benzyl alcohol	ND		ug/L	10	02/20/23	02/20/23
4-Chloroaniline	ND		ug/L	10	02/20/23	02/20/23
Dibenzofuran	ND		ug/L	10	02/20/23	02/20/23
2-Methylphenol	ND		ug/L	10	02/20/23	02/20/23
2-Methylnaphthalene	ND		ug/L	10	02/20/23	02/20/23
2-Nitroaniline	ND		ug/L	50	02/20/23	02/20/23
3-Nitroaniline	ND		ug/L	10	02/20/23	02/20/23
4-Nitroaniline	ND		ug/L	10	02/20/23	02/20/23
2,4,5-Trichlorophenol	ND		ug/L	10	02/20/23	02/20/23
N-Nitrosodimethylamine	ND		ug/L	10	02/20/23	02/20/23
Phenol	ND		ug/L	10	02/20/23	02/20/23
bis(2-Chloroethyl)ether	ND		ug/L	25	02/20/23	02/20/23
2-Chlorophenol	ND		ug/L	10	02/20/23	02/20/23
1,3-Dichlorobenzene	ND		ug/L	10	02/20/23	02/20/23
1,4-Dichlorobenzene	ND		ug/L	10	02/20/23	02/20/23
1,2-Dichlorobenzene	ND		ug/L	10	02/20/23	02/20/23
bis(2-Chloroisopropyl) ether	ND		ug/L	10	02/20/23	02/20/23
N-Nitroso-di-n-propylamine	ND		ug/L	10	02/20/23	02/20/23
Hexachloroethane	ND		ug/L	10	02/20/23	02/20/23
Nitrobenzene	ND		ug/L	25	02/20/23	02/20/23
Isophorone	ND		ug/L	10	02/20/23	02/20/23
2-Nitrophenol	ND		ug/L	10	02/20/23	02/20/23
2,4-Dimethylphenol	ND		ug/L	10	02/20/23	02/20/23
bis(2-Chloroethoxy)methane	ND		ug/L	10	02/20/23	02/20/23
2,4-Dichlorophenol	ND		ug/L	10	02/20/23	02/20/23
1,2,4-Trichlorobenzene	ND		ug/L	10	02/20/23	02/20/23
Naphthalene	ND		ug/L	10	02/20/23	02/20/23
Hexachlorobutadiene	ND		ug/L	10	02/20/23	02/20/23
4-Chloro-3-methylphenol	ND		ug/L	10	02/20/23	02/20/23
Hexachlorocyclopentadiene	ND		ug/L	25	02/20/23	02/20/23
2,4,6-Trichlorophenol	ND		ug/L	10	02/20/23	02/20/23
2-Chloronaphthalene	ND		ug/L	10	02/20/23	02/20/23
Dimethylphthalate	ND		ug/L	10	02/20/23	02/20/23
Acenaphthylene	ND		ug/L	10	02/20/23	02/20/23
2,6-Dinitrotoluene	ND		ug/L	10	02/20/23	02/20/23
Acenaphthene	ND		ug/L	10	02/20/23	02/20/23
2,4-Dinitrophenol	ND		ug/L	50	02/20/23	02/20/23
4-Nitrophenol	ND		ug/L	10	02/20/23	02/20/23
2,4-Dinitrotoluene	ND		ug/L	10	02/20/23	02/20/23
Diethylphthalate	ND		ug/L	10	02/20/23	02/20/23

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Batch QC

QC1046914 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Fluorene	ND		ug/L	10	02/20/23	02/20/23
4-Chlorophenyl-phenylether	ND		ug/L	10	02/20/23	02/20/23
4,6-Dinitro-2-methylphenol	ND		ug/L	50	02/20/23	02/20/23
N-Nitrosodiphenylamine	ND		ug/L	10	02/20/23	02/20/23
1,2-diphenylhydrazine (as azobenzene)	ND		ug/L	10	02/20/23	02/20/23
4-Bromophenyl-phenylether	ND		ug/L	10	02/20/23	02/20/23
Hexachlorobenzene	ND		ug/L	10	02/20/23	02/20/23
Pentachlorophenol	ND		ug/L	25	02/20/23	02/20/23
Phenanthrene	ND		ug/L	10	02/20/23	02/20/23
Anthracene	ND		ug/L	10	02/20/23	02/20/23
Di-n-butylphthalate	ND		ug/L	10	02/20/23	02/20/23
Fluoranthene	ND		ug/L	10	02/20/23	02/20/23
Pyrene	ND		ug/L	10	02/20/23	02/20/23
Butylbenzylphthalate	ND		ug/L	10	02/20/23	02/20/23
3,3'-Dichlorobenzidine	ND		ug/L	25	02/20/23	02/20/23
Benzo(a)anthracene	ND		ug/L	10	02/20/23	02/20/23
Chrysene	ND		ug/L	10	02/20/23	02/20/23
bis(2-Ethylhexyl)phthalate	ND		ug/L	10	02/20/23	02/20/23
Di-n-octylphthalate	ND		ug/L	10	02/20/23	02/20/23
Benzo(b)fluoranthene	ND		ug/L	10	02/20/23	02/20/23
Benzo(k)fluoranthene	ND		ug/L	10	02/20/23	02/20/23
Benzo(a)pyrene	ND		ug/L	10	02/20/23	02/20/23
Indeno(1,2,3-cd)pyrene	ND		ug/L	10	02/20/23	02/20/23
Dibenz(a,h)anthracene	ND		ug/L	10	02/20/23	02/20/23
Benzo(g,h,i)perylene	ND		ug/L	10	02/20/23	02/20/23
3-,4-Methylphenol	ND		ug/L	10	02/20/23	02/20/23
Surrogates				**Limits**		
2-Fluorophenol	48%		%REC	20-140	02/20/23	02/20/23
Phenol-d6	28%		%REC	20-140	02/20/23	02/20/23
2,4,6-Tribromophenol	94%		%REC	20-140	02/20/23	02/20/23
Nitrobenzene-d5	85%		%REC	20-140	02/20/23	02/20/23
2-Fluorobiphenyl	79%		%REC	20-140	02/20/23	02/20/23
Terphenyl-d14	88%		%REC	20-140	02/20/23	02/20/23

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Batch QC

Type: Lab Control Sample	**Lab ID:** QC1046915	**Batch:** 307965
Matrix: Water	**Method:** EPA 625.1	**Prep Method:** EPA 3510C

QC1046915 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
2,4,5-Trichlorophenol	74.21	75.00	ug/L	99%		38-120
Phenol	21.38	75.00	ug/L	29%		13-120
2-Chlorophenol	57.83	75.00	ug/L	77%		31-120
1,4-Dichlorobenzene	26.26	75.00	ug/L	35%		24-120
N-Nitroso-di-n-propylamine	63.45	75.00	ug/L	85%		32-120
2,4-Dimethylphenol	64.77	75.00	ug/L	86%		25-120
1,2,4-Trichlorobenzene	26.79	75.00	ug/L	36%		26-120
4-Chloro-3-methylphenol	68.73	75.00	ug/L	92%		39-120
Acenaphthene	64.51	75.00	ug/L	86%		33-120
4-Nitrophenol	24.22	75.00	ug/L	32%		12-120
2,4-Dinitrotoluene	73.56	75.00	ug/L	98%		46-120
Pentachlorophenol	54.84	75.00	ug/L	73%		37-120
Pyrene	66.95	75.00	ug/L	89%		47-120
Chrysene	70.32	75.00	ug/L	94%		48-120
Benzo(b)fluoranthene	68.19	75.00	ug/L	91%		46-120
Surrogates						
2-Fluorophenol	19.20	40.00	ug/L	48%		20-140
Phenol-d6	11.71	40.00	ug/L	29%		20-140
2,4,6-Tribromophenol	40.51	40.00	ug/L	101%		20-140
Nitrobenzene-d5	34.26	40.00	ug/L	86%		20-140
2-Fluorobiphenyl	33.66	40.00	ug/L	84%		20-140
Terphenyl-d14	35.63	40.00	ug/L	89%		20-140

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC1046916	Batch: 307965
Matrix: Water	Method: EPA 625.1	Prep Method: EPA 3510C

QC1046916 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
2,4,5-Trichlorophenol	76.29	75.00	ug/L	102%		38-120	3	59
Phenol	21.67	75.00	ug/L	29%		13-120	1	62
2-Chlorophenol	58.63	75.00	ug/L	78%		31-120	1	62
1,4-Dichlorobenzene	25.48	75.00	ug/L	34%		24-120	3	64
N-Nitroso-di-n-propylamine	64.30	75.00	ug/L	86%		32-120	1	65
2,4-Dimethylphenol	65.56	75.00	ug/L	87%		25-120	1	64
1,2,4-Trichlorobenzene	25.07	75.00	ug/L	33%		26-120	7	63
4-Chloro-3-methylphenol	69.98	75.00	ug/L	93%		39-120	2	58
Acenaphthene	66.09	75.00	ug/L	88%		33-120	2	52
4-Nitrophenol	24.28	75.00	ug/L	32%		12-120	0	63
2,4-Dinitrotoluene	77.57	75.00	ug/L	103%		46-120	5	41
Pentachlorophenol	56.51	75.00	ug/L	75%		37-120	3	42
Pyrene	68.79	75.00	ug/L	92%		47-120	3	43
Chrysene	72.38	75.00	ug/L	97%		48-120	3	46
Benzo(b)fluoranthene	69.50	75.00	ug/L	93%		46-120	2	47
Surrogates								
2-Fluorophenol	18.55	40.00	ug/L	46%		20-140		
Phenol-d6	11.45	40.00	ug/L	29%		20-140		
2,4,6-Tribromophenol	42.00	40.00	ug/L	105%		20-140		
Nitrobenzene-d5	33.14	40.00	ug/L	83%		20-140		
2-Fluorobiphenyl	33.99	40.00	ug/L	85%		20-140		
Terphenyl-d14	36.87	40.00	ug/L	92%		20-140		

Type: Blank	Lab ID: QC1046041	Batch: 307752
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 3510C

QC1046041 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Diesel C10-C28	ND		mg/L	0.10	02/16/23	02/16/23
Surrogates				**Limits**		
n-Triacontane	93%		%REC	35-130	02/16/23	02/16/23

Type: Lab Control Sample	Lab ID: QC1046042	Batch: 307752
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 3510C

QC1046042 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	0.6896	1.000	mg/L	69%		42-120
Surrogates						
n-Triacontane	0.01768	0.02000	mg/L	88%		35-130

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Batch QC

Type: Lab Control Sample Duplicate	**Lab ID: QC1046043**	**Batch: 307752**
Matrix: Water	**Method: EPA 8015B**	**Prep Method: EPA 3510C**

QC1046043 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	0.7444	1.000	mg/L	74%		42-120	8	36
Surrogates								
n-Triacontane	0.01831	0.02000	mg/L	92%		35-130		

Type: Lab Control Sample	**Lab ID: QC1046116**	**Batch: 307772**
Matrix: Water	**Method: EPA 8015B**	**Prep Method: EPA 5030B**

QC1046116 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	533.0	500.0	ug/L	107%		70-130
Surrogates						
Bromofluorobenzene (FID)	214.0	200.0	ug/L	107%		60-140

Type: Matrix Spike	**Lab ID: QC1046117**	**Batch: 307772**
Matrix (Source ID): Water (479598-001)	**Method: EPA 8015B**	**Prep Method: EPA 5030B**

QC1046117 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
TPH Gasoline	523.6	ND	500.0	ug/L	105%		70-130	1
Surrogates								
Bromofluorobenzene (FID)	181.2		200.0	ug/L	91%		60-140	1

Type: Matrix Spike Duplicate	**Lab ID: QC1046118**	**Batch: 307772**
Matrix (Source ID): Water (479598-001)	**Method: EPA 8015B**	**Prep Method: EPA 5030B**

QC1046118 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
TPH Gasoline	541.5	ND	500.0	ug/L	108%		70-130	3	30	1
Surrogates										
Bromofluorobenzene (FID)	228.1		200.0	ug/L	114%		60-140			1

Type: Blank	**Lab ID: QC1046119**	**Batch: 307772**
Matrix: Water	**Method: EPA 8015B**	**Prep Method: EPA 5030B**

QC1046119 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		ug/L	50	02/16/23	02/16/23
Surrogates				**Limits**		
Bromofluorobenzene (FID)	98%		%REC	60-140	02/16/23	02/16/23

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID: QC1046286** **Batch: 307826**
Matrix: Water **Method: SM 4500-P-B2-E**

QC1046286 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Total Phosphate as P	ND		mg/L	0.020	02/17/23	02/17/23
Total Phosphate as PO4	ND		mg/L	0.060	02/17/23	02/17/23

Type: Lab Control Sample **Lab ID: QC1046287** **Batch: 307826**
Matrix: Water **Method: SM 4500-P-B2-E**

QC1046287 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Phosphate as P	0.4030	0.4000	mg/L	101%		80-120
Total Phosphate as PO4	1.233	1.230	mg/L	100%		80-120

Type: Matrix Spike **Lab ID: QC1046288** **Batch: 307826**
Matrix (Source ID): Water (479515-001) **Method: SM 4500-P-B2-E**

QC1046288 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Phosphate as P	1.005	ND	1.000	mg/L	100%		75-125	2.5
Total Phosphate as PO4	3.081	ND	3.066	mg/L	99%		75-125	2.5

Type: Matrix Spike Duplicate **Lab ID: QC1046289** **Batch: 307826**
Matrix (Source ID): Water (479515-001) **Method: SM 4500-P-B2-E**

QC1046289 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Phosphate as P	1.010	ND	1.000	mg/L	100%		75-125	0	20	2.5
Total Phosphate as PO4	3.097	ND	3.066	mg/L	100%		75-125	0	20	2.5

Type: Blank **Lab ID: QC1046961** **Batch: 308028**
Matrix: Drinking Water **Method: SM 4500-S2-D** **Prep Method: METHOD**

QC1046961 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Dissolved Sulfide	ND		mg/L	0.10	02/16/23 09:00	02/16/23 09:00

Type: Lab Control Sample **Lab ID: QC1046962** **Batch: 308028**
Matrix: Drinking Water **Method: SM 4500-S2-D** **Prep Method: METHOD**

QC1046962 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Dissolved Sulfide	1.000	1.000	mg/L	100%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1046963**	**Batch:**	**308028**
Matrix (Source ID):	**Water (479243-001)**	**Method:**	**SM 4500-S2-D**	**Prep Method:**	**METHOD**

QC1046963 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Dissolved Sulfide	1.000	ND	1.000	mg/L	100%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1046964**	**Batch:**	**308028**
Matrix (Source ID):	**Water (479243-001)**	**Method:**	**SM 4500-S2-D**	**Prep Method:**	**METHOD**

QC1046964 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Dissolved Sulfide	1.000	ND	1.000	mg/L	100%		80-120	0	20	1

Type:	**Blank**	**Lab ID:**	**QC1046230**	**Batch:**	**307812**
Matrix:	**Water**	**Method:**	**SM2540D**	**Prep Method:**	**METHOD**

QC1046230 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5	02/22/23	02/22/23

Type:	**Sample Duplicate**	**Lab ID:**	**QC1046231**	**Batch:**	**307812**
Matrix (Source ID):	**Water (479579-001)**	**Method:**	**SM2540D**	**Prep Method:**	**METHOD**

QC1046231 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	208.0	214.0	mg/L		3	5	20

Type:	**Blank**	**Lab ID:**	**QC1046905**	**Batch:**	**308015**
Matrix:	**Water**	**Method:**	**SM5220D**	**Prep Method:**	**METHOD**

QC1046905 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Chemical Oxygen Demand	ND		mg/L	4.0	02/18/23	02/18/23

Type:	**Lab Control Sample**	**Lab ID:**	**QC1046906**	**Batch:**	**308015**
Matrix:	**Water**	**Method:**	**SM5220D**	**Prep Method:**	**METHOD**

QC1046906 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chemical Oxygen Demand	105.0	100.0	mg/L	105%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1046907**	**Batch:**	**308015**
Matrix (Source ID):	**Water (479390-001)**	**Method:**	**SM5220D**	**Prep Method:**	**METHOD**

QC1046907 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chemical Oxygen Demand	134.0	41.00	100.0	mg/L	93%		75-125	2

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1046908**	**Batch:**	**308015**
Matrix (Source ID):	**Water (479390-001)**	**Method:**	**SM5220D**	**Prep Method:**	**METHOD**

QC1046908 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chemical Oxygen Demand	136.0	41.00	100.0	mg/L	95%		75-125	1	20	2

* Value is outside QC limits

ND Not Detected

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

enthalpy.com

Lab Job Number: 479608
Report Level: II
Report Date: 03/07/2023

Analytical Report *prepared for:*

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

Project: PERMIT #22453_WW - WW

Authorized for release by:

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

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

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

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	479608
Project No:	PERMIT #22453_WW
Location:	WW
Date Received:	02/15/23

Sample ID	Lab ID	Collected	Matrix
SURGE TANK_02-15-23	479608-001	02/15/23 13:06	Water

ENTHALPY ANALYTICAL

Case Narrative

APEX - Signal Hill	Lab Job Number: 479608
1962 Freeman Avenue	Project No: PERMIT #22453_WW
Signal Hill, CA 90755	Location: WW
Imelda Morales	Date Received: 02/15/23

This data package contains sample and QC results for one water sample, requested for the above referenced project on 02/15/23. The sample was received cold and intact.

Metals (EPA 200.7 and EPA 245.1):

- High response was observed for silicon in the ICV analyzed 02/27/23 08:44; affected data was qualified with "b".
- High response was observed for silicon in the ICV analyzed 02/15/23 15:21; affected data was qualified with "b".
- High response was observed for silicon in the CCV analyzed 02/27/23 09:57; affected data was qualified with "b".
- High response was observed for silicon in the CCV analyzed 02/27/23 10:20; affected data was qualified with "b".
- High responses were observed for silicon and silicon, as silica in the CCV analyzed 02/17/23 14:20; affected data was qualified with "b".
- High responses were observed for silicon and silicon, as silica in the CCV analyzed 02/17/23 15:03; affected data was qualified with "b".
- Low recoveries were observed for silver in the MS/MSD for batch 307843; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

479608 2.5 113.7

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

	Sample ID	Date	Time	Matrix	Container	Pres.	8015 TPHD (DRO)	8015 TPHG (GRO)	624-VOCs (BTEX plus m,p-xylenes &	EPA 200.7-Total As, Cd, Cr, Cu, Pb, Ni, Ag, Zn, SiO2, V	EPA 245.1-Mercury (Hg)	4500P-E (PO4)	Test Instruction & Comments
													Enthalpy Quote No.: APEX_012120
1	Surge Tank_02-15-23	W 2-15-23	1306	W	*	*	X	X	X	X	X	X	*TPHD - 1L amber, unpreserved
2													*TPHG - 3x 40ml VOA vials w/HCl
3													*VOCs - 3x 40ml VOA vials w/HCl
4													*Metals (Total As, Cd, Cr, Cu, Pb, Ni, Ag, Zn, SiO2, V) - 250ml
5													poly w/HNO3
6													*Mercury (Hg) - included with 'Metals', not a separate container
7													*Phosphate (PO4) - 500ml poly w/H2SO4
8													
9													
10													
11													
12													
13													
14													

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

	Relinquished By: 1	Received By: 1	Relinquished By: 2	Received By: 2	Authorized By:
Signature	Glenn Androsko	[illegible]			
Print Name:	Glenn Androsko	Annalesia Smallcombs			
Date: / Time:	2-15-23 / 1615	2/15/23 / 1615			

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

ENTHALPY

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: APEX Project: WW

Date Received: 2/15/23 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: 13.7 #2: _____ #3: _____ #4: _____

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

Shipping Information: _____

Section 3

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

Cooler Temp (°C): #1: 2.6 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		X	
If custody seals are present, were they intact?			X
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?		X	
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: 2/15/23

ENTHALPY ANALYTICAL

Analysis Results for 479608

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

Lab Job #: 479608
Project No: PERMIT #22453_WW
Location: WW
Date Received: 02/15/23

Sample ID: SURGE TANK_02-15-23 **Lab ID: 479608-001** **Collected: 02/15/23 13:06**
Matrix: Water

479608-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.7 Prep Method: EPA 200.7									
Cadmium	ND		mg/L	0.0050	1	307843	02/17/23	02/17/23	SBW
Silicon	**15**	b	mg/L	1.0	1	307843	02/17/23	02/17/23	SBW
Chromium	ND		mg/L	0.010	1	307843	02/17/23	02/17/23	SBW
Copper	ND		mg/L	0.010	1	307843	02/17/23	02/17/23	SBW
Lead	ND		mg/L	0.010	1	307843	02/17/23	02/17/23	SBW
Nickel	ND		mg/L	0.010	1	307843	02/17/23	02/17/23	SBW
Silver	ND		mg/L	0.0050	1	307843	02/17/23	02/17/23	SBW
Zinc	ND		mg/L	0.050	1	307843	02/17/23	02/17/23	SBW
Arsenic	**0.075**		mg/L	0.010	1	307843	02/17/23	02/17/23	SBW
Silicon, as Silica	**33**	b	mg/L	2.1	1	307843	02/17/23	02/17/23	SBW
Vanadium	ND		mg/L	0.010	1	307843	02/17/23	02/17/23	SBW
Method: EPA 245.1 Prep Method: METHOD									
Mercury	ND		ug/L	0.40	1	307778	02/16/23	02/17/23	KAM
Method: EPA 624.1 Prep Method: EPA 624.1									
MTBE	ND		ug/L	5.0	1	307736	02/16/23	02/16/23	LYZ
Isopropyl Ether (DIPE)	ND		ug/L	5.0	1	307736	02/16/23	02/16/23	LYZ
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	1	307736	02/16/23	02/16/23	LYZ
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	1	307736	02/16/23	02/16/23	LYZ
tert-Butyl Alcohol (TBA)	**22**		ug/L	10	1	307736	02/16/23	02/16/23	LYZ
m,p-Xylenes	ND		ug/L	10	1	307736	02/16/23	02/16/23	LYZ
o-Xylene	ND		ug/L	5.0	1	307736	02/16/23	02/16/23	LYZ
Benzene	ND		ug/L	5.0	1	307736	02/16/23	02/16/23	LYZ
Toluene	ND		ug/L	0.5	1	307736	02/16/23	02/16/23	LYZ
Ethylbenzene	ND		ug/L	5.0	1	307736	02/16/23	02/16/23	LYZ
Xylene (total)	ND		ug/L	5.0	1	307736	02/16/23	02/16/23	LYZ
Surrogates				**Limits**					
Dibromofluoromethane	98%		%REC	70-140	1	307736	02/16/23	02/16/23	LYZ
1,2-Dichloroethane-d4	91%		%REC	70-140	1	307736	02/16/23	02/16/23	LYZ
Toluene-d8	102%		%REC	70-140	1	307736	02/16/23	02/16/23	LYZ
Bromofluorobenzene	95%		%REC	70-140	1	307736	02/16/23	02/16/23	LYZ
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	**56**		ug/L	50	1	307985	02/20/23	02/20/23	LYZ

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

ENTHALPY ANALYTICAL

Analysis Results for 479608

479608-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates				**Limits**					
Bromofluorobenzene (FID)	106%		%REC	60-140	1	307985	02/20/23	02/20/23	LYZ
Method: EPA 8015B Prep Method: EPA 3510C									
Diesel C10-C28	**0.73**		mg/L	0.095	0.95	307752	02/16/23	02/17/23	SME
Surrogates				**Limits**					
n-Triacontane	75%		%REC	35-130	0.95	307752	02/16/23	02/17/23	SME
Method: SM 4500-P-B2-E									
Total Phosphate as P	**0.11**		mg/L	0.020	1	307826	02/17/23	02/17/23	ATP
Total Phosphate as PO4	**0.32**		mg/L	0.060	1	307826	02/17/23	02/17/23	ATP

ND Not Detected
b See narrative

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

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1046328**	**Batch: 307843**
Matrix: Water	**Method: EPA 200.7**	**Prep Method: EPA 200.7**

QC1046328 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Cadmium	ND		mg/L	0.0050	02/17/23	02/17/23
Silicon	ND		mg/L	1.0	02/17/23	02/17/23
Chromium	ND		mg/L	0.010	02/17/23	02/17/23
Copper	ND		mg/L	0.010	02/17/23	02/17/23
Lead	ND		mg/L	0.010	02/17/23	02/17/23
Nickel	ND		mg/L	0.010	02/17/23	02/17/23
Silver	ND		mg/L	0.0050	02/17/23	02/17/23
Zinc	ND		mg/L	0.050	02/17/23	02/17/23
Arsenic	ND		mg/L	0.010	02/17/23	02/17/23
Silicon, as Silica	ND		mg/L	2.1	02/17/23	02/17/23
Vanadium	ND		mg/L	0.010	02/17/23	02/17/23

Type: Lab Control Sample	**Lab ID: QC1046329**	**Batch: 307843**
Matrix: Water	**Method: EPA 200.7**	**Prep Method: EPA 200.7**

QC1046329 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Cadmium	0.3465	0.4000	mg/L	87%		85-115
Chromium	0.4031	0.4000	mg/L	101%		85-115
Copper	0.3383	0.4000	mg/L	85%		85-115
Lead	0.3713	0.4000	mg/L	93%		85-115
Nickel	0.3563	0.4000	mg/L	89%		85-115
Silver	0.1779	0.2000	mg/L	89%		85-115
Zinc	0.4060	0.4000	mg/L	102%		85-115
Arsenic	0.4030	0.4000	mg/L	101%		85-115
Silicon	2.263	2.000	mg/L	113%	b,NM	85-115
Vanadium	0.3718	0.4000	mg/L	93%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1046330**	**Batch:**	**307843**
Matrix (Source ID):	**Water (479599-001)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC1046330 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Cadmium	0.4097	0.02945	0.4000	mg/L	95%		75-125	1
Chromium	0.4217	0.01996	0.4000	mg/L	100%		75-125	1
Copper	0.4064	0.01045	0.4000	mg/L	99%		75-125	1
Lead	0.3965	ND	0.4000	mg/L	99%		75-125	1
Nickel	0.5477	0.1748	0.4000	mg/L	93%		75-125	1
Silver	0.4281	0.3487	0.2000	mg/L	40%	*	75-125	1
Zinc	0.5364	0.1416	0.4000	mg/L	99%		75-125	1
Arsenic	0.4399	ND	0.4000	mg/L	110%		75-125	1
Silicon	14.49	12.11	2.000	mg/L	119%	b,NM	75-125	1
Vanadium	0.3996	ND	0.4000	mg/L	100%		75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1046331**	**Batch:**	**307843**
Matrix (Source ID):	**Water (479599-001)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC1046331 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Cadmium	0.4088	0.02945	0.4000	mg/L	95%		75-125	0	20	1
Chromium	0.4205	0.01996	0.4000	mg/L	100%		75-125	0	20	1
Copper	0.4038	0.01045	0.4000	mg/L	98%		75-125	1	20	1
Lead	0.3936	ND	0.4000	mg/L	98%		75-125	1	20	1
Nickel	0.5396	0.1748	0.4000	mg/L	91%		75-125	2	20	1
Silver	0.4218	0.3487	0.2000	mg/L	37%	*	75-125	1	20	1
Zinc	0.5273	0.1416	0.4000	mg/L	96%		75-125	2	20	1
Arsenic	0.4393	ND	0.4000	mg/L	110%		75-125	0	20	1
Silicon	14.11	12.11	2.000	mg/L	100%	b,NM	75-125	3	20	1
Vanadium	0.3988	ND	0.4000	mg/L	100%		75-125	0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1046332**	**Batch:**	**307843**
Matrix (Source ID):	**Water (479613-001)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC1046332 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Cadmium	0.3662	ND	0.4000	mg/L	92%		75-125	1
Chromium	0.4379	0.02554	0.4000	mg/L	103%		75-125	1
Copper	0.4015	0.04102	0.4000	mg/L	90%		75-125	1
Lead	0.3900	ND	0.4000	mg/L	97%		75-125	1
Nickel	0.3617	ND	0.4000	mg/L	90%		75-125	1
Silver	0.1875	ND	0.2000	mg/L	94%		75-125	1
Zinc	0.4108	ND	0.4000	mg/L	103%		75-125	1
Arsenic	0.4246	ND	0.4000	mg/L	106%		75-125	1
Silicon	21.19	19.04	2.000	mg/L	108%	b,NM	75-125	1
Vanadium	0.3962	0.006510	0.4000	mg/L	97%		75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1046333**	**Batch:**	**307843**
Matrix (Source ID):	**Water (479613-001)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC1046333 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Cadmium	0.3560	ND	0.4000	mg/L	89%		75-125	3	20	1
Chromium	0.4251	0.02554	0.4000	mg/L	100%		75-125	3	20	1
Copper	0.3926	0.04102	0.4000	mg/L	88%		75-125	2	20	1
Lead	0.3743	ND	0.4000	mg/L	94%		75-125	4	20	1
Nickel	0.3514	ND	0.4000	mg/L	88%		75-125	3	20	1
Silver	0.1821	ND	0.2000	mg/L	91%		75-125	3	20	1
Zinc	0.4092	ND	0.4000	mg/L	102%		75-125	0	20	1
Arsenic	0.4190	ND	0.4000	mg/L	105%		75-125	1	20	1
Silicon	20.89	19.04	2.000	mg/L	92%	b,NM	75-125	1	20	1
Vanadium	0.3832	0.006510	0.4000	mg/L	94%		75-125	3	20	1

Type:	**Blank**	**Lab ID:**	**QC1046143**	**Batch:**	**307778**
Matrix:	**Water**	**Method:**	**EPA 245.1**	**Prep Method:**	**METHOD**

QC1046143 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		ug/L	0.40	02/16/23	02/17/23

Type:	**Lab Control Sample**	**Lab ID:**	**QC1046144**	**Batch:**	**307778**
Matrix:	**Water**	**Method:**	**EPA 245.1**	**Prep Method:**	**METHOD**

QC1046144 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	4.860	5.000	ug/L	97%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1046310**	**Batch:**	**307778**
Matrix (Source ID):	**Water (479363-001)**	**Method:**	**EPA 245.1**	**Prep Method:**	**METHOD**

QC1046310 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	4.859	ND	5.000	ug/L	97%		75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1046311**	**Batch:**	**307778**
Matrix (Source ID):	**Water (479363-001)**	**Method:**	**EPA 245.1**	**Prep Method:**	**METHOD**

QC1046311 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	4.821	ND	5.000	ug/L	96%		75-125	1	20	1

Type:	**Lab Control Sample**	**Lab ID:**	**QC1045997**	**Batch:**	**307736**
Matrix:	**Water**	**Method:**	**EPA 624.1**	**Prep Method:**	**EPA 624.1**

QC1045997 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
MTBE	46.90	50.00	ug/L	94%		70-130
Isopropyl Ether (DIPE)	42.67	50.00	ug/L	85%		70-130
Ethyl tert-Butyl Ether (ETBE)	45.55	50.00	ug/L	91%		70-130
Methyl tert-Amyl Ether (TAME)	47.87	50.00	ug/L	96%		70-130
tert-Butyl Alcohol (TBA)	192.2	250.0	ug/L	77%		48-125
m,p-Xylenes	103.2	100.0	ug/L	103%		70-130
o-Xylene	52.31	50.00	ug/L	105%		70-130
Benzene	50.35	50.00	ug/L	101%		70-130
Toluene	49.77	50.00	ug/L	100%		70-130
Ethylbenzene	51.81	50.00	ug/L	104%		70-130
Surrogates						
Dibromofluoromethane	50.34	50.00	ug/L	101%		70-140
1,2-Dichloroethane-d4	45.38	50.00	ug/L	91%		70-140
Toluene-d8	50.18	50.00	ug/L	100%		70-140
Bromofluorobenzene	46.56	50.00	ug/L	93%		70-140

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1045998**	**Batch:**	**307736**
Matrix:	**Water**	**Method:**	**EPA 624.1**	**Prep Method:**	**EPA 624.1**

QC1045998 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
MTBE	45.54	50.00	ug/L	91%		70-130	3	30
Isopropyl Ether (DIPE)	40.59	50.00	ug/L	81%		70-130	5	30
Ethyl tert-Butyl Ether (ETBE)	42.98	50.00	ug/L	86%		70-130	6	30
Methyl tert-Amyl Ether (TAME)	45.82	50.00	ug/L	92%		70-130	4	30
tert-Butyl Alcohol (TBA)	196.7	250.0	ug/L	79%		48-125	2	30
m,p-Xylenes	96.67	100.0	ug/L	97%		70-130	7	30
o-Xylene	49.36	50.00	ug/L	99%		70-130	6	30
Benzene	48.19	50.00	ug/L	96%		70-130	4	30
Toluene	46.64	50.00	ug/L	93%		70-130	6	30
Ethylbenzene	48.50	50.00	ug/L	97%		70-130	7	30
Surrogates								
Dibromofluoromethane	49.55	50.00	ug/L	99%		70-140		
1,2-Dichloroethane-d4	45.68	50.00	ug/L	91%		70-140		
Toluene-d8	50.10	50.00	ug/L	100%		70-140		
Bromofluorobenzene	47.32	50.00	ug/L	95%		70-140		

Type:	**Blank**	**Lab ID:**	**QC1046003**	**Batch:**	**307736**
Matrix:	**Water**	**Method:**	**EPA 624.1**	**Prep Method:**	**EPA 624.1**

QC1046003 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
MTBE	ND		ug/L	5.0	02/16/23	02/16/23
Isopropyl Ether (DIPE)	ND		ug/L	5.0	02/16/23	02/16/23
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	02/16/23	02/16/23
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	02/16/23	02/16/23
tert-Butyl Alcohol (TBA)	ND		ug/L	10	02/16/23	02/16/23
m,p-Xylenes	ND		ug/L	10	02/16/23	02/16/23
o-Xylene	ND		ug/L	5.0	02/16/23	02/16/23
Benzene	ND		ug/L	5.0	02/16/23	02/16/23
Toluene	ND		ug/L	0.5	02/16/23	02/16/23
Ethylbenzene	ND		ug/L	5.0	02/16/23	02/16/23
Xylene (total)	ND		ug/L	5.0	02/16/23	02/16/23
Surrogates				**Limits**		
Dibromofluoromethane	98%		%REC	70-140	02/16/23	02/16/23
1,2-Dichloroethane-d4	93%		%REC	70-140	02/16/23	02/16/23
Toluene-d8	101%		%REC	70-140	02/16/23	02/16/23
Bromofluorobenzene	95%		%REC	70-140	02/16/23	02/16/23

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1046041**	**Batch: 307752**
Matrix: Water	**Method: EPA 8015B**	**Prep Method: EPA 3510C**

QC1046041 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Diesel C10-C28	ND		mg/L	0.10	02/16/23	02/16/23
Surrogates				**Limits**		
n-Triacontane	93%		%REC	35-130	02/16/23	02/16/23

Type: Lab Control Sample	**Lab ID: QC1046042**	**Batch: 307752**
Matrix: Water	**Method: EPA 8015B**	**Prep Method: EPA 3510C**

QC1046042 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	0.6896	1.000	mg/L	69%		42-120
Surrogates						
n-Triacontane	0.01768	0.02000	mg/L	88%		35-130

Type: Lab Control Sample Duplicate	**Lab ID: QC1046043**	**Batch: 307752**
Matrix: Water	**Method: EPA 8015B**	**Prep Method: EPA 3510C**

QC1046043 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	0.7444	1.000	mg/L	74%		42-120	8	36
Surrogates								
n-Triacontane	0.01831	0.02000	mg/L	92%		35-130		

Type: Lab Control Sample	**Lab ID: QC1046804**	**Batch: 307985**
Matrix: Water	**Method: EPA 8015B**	**Prep Method: EPA 5030B**

QC1046804 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	593.2	500.0	ug/L	119%		70-130
Surrogates						
Bromofluorobenzene (FID)	243.9	200.0	ug/L	122%		60-140

Type: Matrix Spike	**Lab ID: QC1046805**	**Batch: 307985**
Matrix (Source ID): Water (479519-001)	**Method: EPA 8015B**	**Prep Method: EPA 5030B**

QC1046805 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
TPH Gasoline	600.1	ND	500.0	ug/L	120%		70-130	1
Surrogates								
Bromofluorobenzene (FID)	223.7		200.0	ug/L	112%		60-140	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1046806**	**Batch:**	**307985**
Matrix (Source ID):	**Water (479519-001)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC1046806 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
TPH Gasoline	592.8	ND	500.0	ug/L	119%		70-130	1	30	1
Surrogates										
Bromofluorobenzene (FID)	189.9		200.0	ug/L	95%		60-140			1

Type:	**Blank**	**Lab ID:**	**QC1046807**	**Batch:**	**307985**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC1046807 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		ug/L	50	02/20/23	02/20/23
Surrogates				**Limits**		
Bromofluorobenzene (FID)	80%		%REC	60-140	02/20/23	02/20/23

Type:	**Blank**	**Lab ID:**	**QC1046286**	**Batch:**	**307826**
Matrix:	**Water**	**Method:**	**SM 4500-P-B2-E**		

QC1046286 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Total Phosphate as P	ND		mg/L	0.020	02/17/23	02/17/23
Total Phosphate as PO4	ND		mg/L	0.060	02/17/23	02/17/23

Type:	**Lab Control Sample**	**Lab ID:**	**QC1046287**	**Batch:**	**307826**
Matrix:	**Water**	**Method:**	**SM 4500-P-B2-E**		

QC1046287 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Phosphate as P	0.4030	0.4000	mg/L	101%		80-120
Total Phosphate as PO4	1.233	1.230	mg/L	100%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC1046288**	**Batch:**	**307826**
Matrix (Source ID):	**Water (479515-001)**	**Method:**	**SM 4500-P-B2-E**		

QC1046288 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Phosphate as P	1.005	ND	1.000	mg/L	100%		75-125	2.5
Total Phosphate as PO4	3.081	ND	3.066	mg/L	99%		75-125	2.5

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Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1046289**	**Batch:**	**307826**
Matrix (Source ID):	**Water (479515-001)**	**Method:**	**SM 4500-P-B2-E**		

QC1046289 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Phosphate as P	1.010	ND	1.000	mg/L	100%		75-125	0	20	2.5
Total Phosphate as PO4	3.097	ND	3.066	mg/L	100%		75-125	0	20	2.5

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

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

enthalpy.com

Lab Job Number: 481988
Report Level: II
Report Date: 04/05/2023

Analytical Report *prepared for:*

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

Project: PERMIT #22453_WW - WW

Authorized for release by:

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

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

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

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Sample Summary

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

Lab Job #:	481988
Project No:	PERMIT #22453_WW
Location:	WW
Date Received:	03/22/23

Sample ID	Lab ID	Collected	Matrix
SURGE TANK_03-22-23	481988-001	03/22/23 09:35	Water
EFFLUENT_03-22-23	481988-002	03/22/23 09:08	Water

481988

CHAIN OF CUSTODY RECORD

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

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

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

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

Turn Around Time

Standard	X
72 Hours	
48 Hours	
24 Hours	
Same Day	

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

ENTHALPY ANALYTICAL

CUSTOMER INFORMATION

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

PROJECT INFORMATION

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

	Sample ID	Date	Time	Matrix	Container	Pres.	8015 TPHD (DRO)	8015 TPHG (GRO)	624-VOCs (BTEX & m,p-xylenes & Oxygenates)	Test Instruction & Comments
1	Surge Tank_03-22-23	3-22-23	0935	W	*	*	X	X	X	Enthalpy Quote No.: APEX_012120
2	Effluent_03-22-23	"	0908	W	*	*	X	X	X	*TPHD - 1L amber, unpreserved
3										*TPHG - 3x 40ml VOA vials w/HCl
4										*624-VOCs - 3x 40ml VOA vials w/HCl
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										

Analysis

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

1 Relinquished By:	2 Received By:	1 Relinquished By:	2 Received By:	Authorized By:
Glenn Androsko				
Print Name: Glenn Androsko	Print Name: ZATO P.	Print Name:	Print Name:	
Date: 3-22-23 Time: 1135	Date: 3/22/23 Time: 1135.	Date: Time:	Date: Time:	
3 Relinquished By:	3 Received By:	3 Relinquished By:	4 Received By:	
Print Name:	Print Name:	Print Name:	Print Name:	
Date: Time:	Date: Time:	Date: Time:	Date: Time:	

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: APEX Project: WW

Date Received: 3/22/23 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: 8.1 #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: 3.0 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

Section 6

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

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

Project Manager's response:

Completed By: _____ Date: 3/22/23

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ENTHALPY ANALYTICAL

Analysis Results for 481988

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

Lab Job #: 481988
Project No: PERMIT #22453_WW
Location: WW
Date Received: 03/22/23

Sample ID: SURGE TANK_03-22-23 **Lab ID: 481988-001** **Collected: 03/22/23 09:35**
Matrix: Water

481988-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 624.1 Prep Method: EPA 624.1									
MTBE	ND		ug/L	5.0	1	310399	03/24/23	03/24/23	EJB
Isopropyl Ether (DIPE)	ND		ug/L	5.0	1	310399	03/24/23	03/24/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	1	310399	03/24/23	03/24/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	1	310399	03/24/23	03/24/23	EJB
tert-Butyl Alcohol (TBA)	**26**		ug/L	10	1	310399	03/24/23	03/24/23	EJB
m,p-Xylenes	ND		ug/L	10	1	310399	03/24/23	03/24/23	EJB
o-Xylene	ND		ug/L	5.0	1	310399	03/24/23	03/24/23	EJB
Benzene	ND		ug/L	5.0	1	310399	03/24/23	03/24/23	EJB
Toluene	ND		ug/L	0.5	1	310399	03/24/23	03/24/23	EJB
Ethylbenzene	ND		ug/L	5.0	1	310399	03/24/23	03/24/23	EJB
Xylene (total)	ND		ug/L	5.0	1	310399	03/24/23	03/24/23	EJB
Surrogates				**Limits**					
Dibromofluoromethane	103%		%REC	70-140	1	310399	03/24/23	03/24/23	EJB
1,2-Dichloroethane-d4	103%		%REC	70-140	1	310399	03/24/23	03/24/23	EJB
Toluene-d8	99%		%REC	70-140	1	310399	03/24/23	03/24/23	EJB
Bromofluorobenzene	99%		%REC	70-140	1	310399	03/24/23	03/24/23	EJB
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		ug/L	50	1	310213	03/22/23	03/22/23	SXR
Surrogates				**Limits**					
Bromofluorobenzene (FID)	72%		%REC	60-140	1	310213	03/22/23	03/22/23	SXR
Method: EPA 8015B Prep Method: EPA 3510C									
Diesel C10-C28	**0.38**		mg/L	0.098	0.98	310292	03/23/23	03/23/23	SME
Surrogates				**Limits**					
n-Triacontane	82%		%REC	35-130	0.98	310292	03/23/23	03/23/23	SME

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

ENTHALPY ANALYTICAL

Analysis Results for 481988

Sample ID: EFFLUENT_03-22-23	Lab ID: 481988-002	Collected: 03/22/23 09:08
	Matrix: Water	

481988-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 624.1 Prep Method: EPA 624.1									
MTBE	ND		ug/L	5.0	1	310399	03/24/23	03/24/23	EJB
Isopropyl Ether (DIPE)	ND		ug/L	5.0	1	310399	03/24/23	03/24/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	1	310399	03/24/23	03/24/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	1	310399	03/24/23	03/24/23	EJB
tert-Butyl Alcohol (TBA)	ND		ug/L	10	1	310399	03/24/23	03/24/23	EJB
m,p-Xylenes	ND		ug/L	10	1	310399	03/24/23	03/24/23	EJB
o-Xylene	ND		ug/L	5.0	1	310399	03/24/23	03/24/23	EJB
Benzene	ND		ug/L	5.0	1	310399	03/24/23	03/24/23	EJB
Toluene	ND		ug/L	0.5	1	310399	03/24/23	03/24/23	EJB
Ethylbenzene	ND		ug/L	5.0	1	310399	03/24/23	03/24/23	EJB
Xylene (total)	ND		ug/L	5.0	1	310399	03/24/23	03/24/23	EJB
Surrogates				**Limits**					
Dibromofluoromethane	103%		%REC	70-140	1	310399	03/24/23	03/24/23	EJB
1,2-Dichloroethane-d4	106%		%REC	70-140	1	310399	03/24/23	03/24/23	EJB
Toluene-d8	98%		%REC	70-140	1	310399	03/24/23	03/24/23	EJB
Bromofluorobenzene	98%		%REC	70-140	1	310399	03/24/23	03/24/23	EJB
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		ug/L	50	1	310213	03/22/23	03/22/23	SXR
Surrogates				**Limits**					
Bromofluorobenzene (FID)	91%		%REC	60-140	1	310213	03/22/23	03/22/23	SXR
Method: EPA 8015B Prep Method: EPA 3510C									
Diesel C10-C28	ND		mg/L	0.098	0.98	310292	03/23/23	03/23/23	SME
Surrogates				**Limits**					
n-Triacontane	81%		%REC	35-130	0.98	310292	03/23/23	03/23/23	SME

ND Not Detected

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

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1054038**	**Batch: 310399**
Matrix: Water	**Method: EPA 624.1**	**Prep Method: EPA 624.1**

QC1054038 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
MTBE	ND		ug/L	5.0	03/24/23	03/24/23
Isopropyl Ether (DIPE)	ND		ug/L	5.0	03/24/23	03/24/23
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0	03/24/23	03/24/23
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0	03/24/23	03/24/23
tert-Butyl Alcohol (TBA)	ND		ug/L	10	03/24/23	03/24/23
m,p-Xylenes	ND		ug/L	10	03/24/23	03/24/23
o-Xylene	ND		ug/L	5.0	03/24/23	03/24/23
Benzene	ND		ug/L	5.0	03/24/23	03/24/23
Toluene	ND		ug/L	0.5	03/24/23	03/24/23
Ethylbenzene	ND		ug/L	5.0	03/24/23	03/24/23
Xylene (total)	ND		ug/L	5.0	03/24/23	03/24/23
Surrogates				**Limits**		
Dibromofluoromethane	101%		%REC	70-140	03/24/23	03/24/23
1,2-Dichloroethane-d4	103%		%REC	70-140	03/24/23	03/24/23
Toluene-d8	101%		%REC	70-140	03/24/23	03/24/23
Bromofluorobenzene	99%		%REC	70-140	03/24/23	03/24/23

Type: Lab Control Sample	**Lab ID: QC1054053**	**Batch: 310399**
Matrix: Water	**Method: EPA 624.1**	**Prep Method: EPA 624.1**

QC1054053 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
MTBE	51.66	50.00	ug/L	103%		70-130
Isopropyl Ether (DIPE)	58.23	50.00	ug/L	116%		70-130
Ethyl tert-Butyl Ether (ETBE)	53.11	50.00	ug/L	106%		70-130
Methyl tert-Amyl Ether (TAME)	46.90	50.00	ug/L	94%		70-130
tert-Butyl Alcohol (TBA)	225.5	250.0	ug/L	90%		48-125
m,p-Xylenes	104.6	100.0	ug/L	105%		70-130
o-Xylene	52.77	50.00	ug/L	106%		70-130
Benzene	52.26	50.00	ug/L	105%		70-130
Toluene	52.18	50.00	ug/L	104%		70-130
Ethylbenzene	53.47	50.00	ug/L	107%		70-130
Surrogates						
Dibromofluoromethane	52.98	50.00	ug/L	106%		70-140
1,2-Dichloroethane-d4	51.88	50.00	ug/L	104%		70-140
Toluene-d8	49.14	50.00	ug/L	98%		70-140
Bromofluorobenzene	50.20	50.00	ug/L	100%		70-140

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1054054**	**Batch:**	**310399**
Matrix (Source ID):	**Water (482042-001)**	**Method:**	**EPA 624.1**	**Prep Method:**	**EPA 624.1**

QC1054054 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
MTBE	46.02	ND	50.00	ug/L	92%		75-130	1
Isopropyl Ether (DIPE)	51.60	ND	50.00	ug/L	103%		70-130	1
Ethyl tert-Butyl Ether (ETBE)	47.13	ND	50.00	ug/L	94%		70-130	1
Methyl tert-Amyl Ether (TAME)	41.97	ND	50.00	ug/L	84%		70-130	1
tert-Butyl Alcohol (TBA)	200.6	ND	250.0	ug/L	80%		51-122	1
m,p-Xylenes	146.9	57.06	100.0	ug/L	90%		70-131	1
o-Xylene	67.73	23.02	50.00	ug/L	89%		70-130	1
Benzene	61.61	15.46	50.00	ug/L	92%		70-130	1
Toluene	67.72	23.84	50.00	ug/L	88%		70-130	1
Ethylbenzene	54.04	6.482	50.00	ug/L	95%		70-130	1
Surrogates								
Dibromofluoromethane	52.83		50.00	ug/L	106%		70-140	1
1,2-Dichloroethane-d4	51.49		50.00	ug/L	103%		70-140	1
Toluene-d8	48.72		50.00	ug/L	97%		70-140	1
Bromofluorobenzene	49.32		50.00	ug/L	99%		70-140	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1054055**	**Batch:**	**310399**
Matrix (Source ID):	**Water (482042-001)**	**Method:**	**EPA 624.1**	**Prep Method:**	**EPA 624.1**

QC1054055 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
MTBE	48.44	ND	50.00	ug/L	97%		75-130	5	30	1
Isopropyl Ether (DIPE)	52.78	ND	50.00	ug/L	106%		70-130	2	30	1
Ethyl tert-Butyl Ether (ETBE)	49.52	ND	50.00	ug/L	99%		70-130	5	30	1
Methyl tert-Amyl Ether (TAME)	44.84	ND	50.00	ug/L	90%		70-130	7	30	1
tert-Butyl Alcohol (TBA)	212.1	ND	250.0	ug/L	85%		51-122	6	33	1
m,p-Xylenes	157.2	57.06	100.0	ug/L	100%		70-131	7	30	1
o-Xylene	73.06	23.02	50.00	ug/L	100%		70-130	8	30	1
Benzene	65.68	15.46	50.00	ug/L	100%		70-130	6	30	1
Toluene	73.62	23.84	50.00	ug/L	100%		70-130	8	30	1
Ethylbenzene	58.36	6.482	50.00	ug/L	104%		70-130	8	30	1
Surrogates										
Dibromofluoromethane	51.51		50.00	ug/L	103%		70-140			1
1,2-Dichloroethane-d4	50.57		50.00	ug/L	101%		70-140			1
Toluene-d8	49.48		50.00	ug/L	99%		70-140			1
Bromofluorobenzene	49.47		50.00	ug/L	99%		70-140			1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1053471**	**Batch: 310213**
Matrix: Water	**Method: EPA 8015B**	**Prep Method: EPA 5030B**

QC1053471 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		ug/L	50	03/22/23	03/22/23
Surrogates				**Limits**		
Bromofluorobenzene (FID)	91%		%REC	60-140	03/22/23	03/22/23

Type: Lab Control Sample	**Lab ID: QC1053472**	**Batch: 310213**
Matrix: Water	**Method: EPA 8015B**	**Prep Method: EPA 5030B**

QC1053472 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	552.9	500.0	ug/L	111%		70-130
Surrogates						
Bromofluorobenzene (FID)	195.5	200.0	ug/L	98%		60-140

Type: Matrix Spike	**Lab ID: QC1053482**	**Batch: 310213**
Matrix (Source ID): Water (481967-001)	**Method: EPA 8015B**	**Prep Method: EPA 5030B**

QC1053482 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
TPH Gasoline	495.7	ND	500.0	ug/L	99%		70-130	1
Surrogates								
Bromofluorobenzene (FID)	180.1		200.0	ug/L	90%		60-140	1

Type: Matrix Spike Duplicate	**Lab ID: QC1053483**	**Batch: 310213**
Matrix (Source ID): Water (481967-001)	**Method: EPA 8015B**	**Prep Method: EPA 5030B**

QC1053483 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
TPH Gasoline	537.1	ND	500.0	ug/L	107%		70-130	8	30	1
Surrogates										
Bromofluorobenzene (FID)	196.8		200.0	ug/L	98%		60-140			1

Type: Blank	**Lab ID: QC1053705**	**Batch: 310292**
Matrix: Water	**Method: EPA 8015B**	**Prep Method: EPA 3510C**

QC1053705 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Diesel C10-C28	ND		mg/L	0.10	03/23/23	03/23/23
Surrogates				**Limits**		
n-Triacontane	58%		%REC	35-130	03/23/23	03/23/23

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC1053706**	**Batch: 310292**
Matrix: Water	**Method: EPA 8015B**	**Prep Method: EPA 3510C**

QC1053706 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	0.5338	1.000	mg/L	53%		42-120
Surrogates						
n-Triacontane	0.01165	0.02000	mg/L	58%		35-130

Type: Lab Control Sample Duplicate	**Lab ID: QC1053707**	**Batch: 310292**
Matrix: Water	**Method: EPA 8015B**	**Prep Method: EPA 3510C**

QC1053707 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	0.5604	1.000	mg/L	56%		42-120	5	36
Surrogates								
n-Triacontane	0.01316	0.02000	mg/L	66%		35-130		

ND Not Detected