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February 14, 2018

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

Dear Mr. Cho:

Enclosed is one electronic copy of the *Remediation Status Report, Fourth Quarter 2017 for Defense Fuel Support Point Norwalk* (SCP NO. 0286A, SITE ID NO. 16638) located at 15306 Norwalk Boulevard, Norwalk, California. This report presents remedial system operational data and mass removal calculations for the fourth quarter of 2017.

If you have any questions or need additional information concerning this document, please contact Ms. Carol Devier-Heeney at (703) 767-9813 or carol.devier-heeney@dla.mil.

Sincerely,

Digitally signed by POTTER.WILLIAM.Y.1394566272
Date: 2018.02.14 07:12:59 -05'00'

William Y. Potter
Chief, Restoration Branch

Enclosure
As stated

cc:
Mike Wood, Senior Engineer, The Source Group, Inc.

REMEDIATION STATUS REPORT - FOURTH QUARTER 2017

DEFENSE FUEL SUPPORT POINT NORWALK
15306 Norwalk Boulevard
Norwalk, California

091-NDLA-0018

Prepared For:

Defense Logistics Agency Installation Operations Energy
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For Submittal To:

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BOD	Biological Oxygen Demand
BTEX	Benzene, Toluene, Ethylbenzene, and Total Xylenes
DFSP	Defense Fuel Support Point
DLA	Defense Logistics Agency Installation Operations Energy
DTP	Depth to Product
DTW	Depth to Groundwater
ELAP	Environmental Laboratory Accreditation Program
EPA	United States Environmental Protection Agency
GAC	Granular Activated Carbon
GWE	Groundwater Extraction
GWETS	Groundwater Extraction and Treatment System
JP-5	Jet Propellant Number 5
LARWQCB	California Regional Water Quality Control Board, Los Angeles Region
LNAPL	Light Non-Aqueous Phase Liquid
MBAS	Methylene Blue Active Substances
MTBE	Methyl tertiary-Butyl Ether
NPDES	National Pollutant Discharge Elimination System
OM&M	Operations, Maintenance, and Monitoring
OVA	Organic Vapor Analyzer
SCAQMD	South Coast Air Quality Management District
scfm	Standard cubic feet per minute
SFPP	Santa Fe Pacific Pipelines Partners, L.P.
SGI	The Source Group, Inc.
SM	Standard Method
SVE	Soil Vapor Extraction
TBA	Tertiary-Butyl alcohol
TOC	Top of Casing
TPH	Total Petroleum Hydrocarbons
TPHd	Total Petroleum Hydrocarbons Quantified as Diesel
TPHg	Total Petroleum Hydrocarbons Quantified as Gasoline
VES	Vapor Extraction System
VOCs	Volatile Organic Compounds

1.0 INTRODUCTION

On behalf of our client, Defense Logistics Agency Installation Operations Energy (DLA), The Source Group, Inc. (SGI) presents this report to summarize remediation system operations during this reporting period (Fourth Quarter 2017 - October 1, 2017 through December 31, 2017) for the Defense Fuel Support Point (DFSP) Norwalk facility, located at 15306 Norwalk Boulevard, Norwalk, California (Site, Figures 1 and 2).

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

1.1 Contaminants of Concern

Soil and groundwater at the areas of concern are impacted with hydrocarbons consisting primarily of jet propellant number 5 (JP-5); diesel; benzene, toluene, ethylbenzene, and total xylenes (collectively, BTEX), 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.

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.

The impacted areas consist of the north-central former tank farm, the northeastern property boundary, off-site Holifield Park area, the northwest corner of the Site, and the southerly former water tank and truck fueling areas.

1.2 Remediation Technologies

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

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

1.2.1 Groundwater Extraction and Treatment System

The GWE well network for hydrocarbon extraction from dissolved-phase subsurface impacts historically includes wells installed in the northwestern area (GW-2 and GW-13), central tank farm area (GW-14), and eastern boundary area (GW-15, GW-16, and GMW-58). The system 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 any potential residual free product and/or oils/grease, three granular activated carbon (GAC) vessels in series (2,000 pound GAC-1, 2,000 pound GAC-2, and 1,500 pound GAC-3), and a minimum of two ion exchange vessels in series for copper and arsenic treatment prior to being discharged to the storm drain.

Operation of the groundwater extraction and treatment system (GWETS) is conducted in accordance with National Pollutant Discharge Elimination System (NPDES) permit CAG994004, CI No. 7585 and South Coast Air Quality Management District (SCAQMD) Permit to Operate G6962, A/N 501180. Active GWE wells are identified in Section 3.1 and Tables 2A through 2C.

1.2.2 Soil Vapor Extraction System

As illustrated on Figure 2, the SVE well network for hydrocarbon extraction from vadose zone subsurface impacts historically includes 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), eastern boundary area (VEW-32, VEW-33, VEW-34, VEW-35, VEW-36, and VEW-37), southern former water tank area (VEW-31, VEW-38, VEW-39 and VEW-40), and southern former truck fueling area (VW-07, VW-09, VW-10, VW-11, VW-12, VW-13, VW-14, VW-15, and VW-16).

The soil vapor extraction system (VES) utilizes a blower to remove soil vapors from the subsurface. The extracted vapors are then conveyed through a knockout tank that separates entrained moisture from the soil vapors. Accumulated moisture in the knockout tank is treated by the GWETS, as described in the preceding section.

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

Operation of the VES is conducted in accordance with SCAQMD Permit to Construct A/N 568793, formerly Permit to Operate G12863, A/N 518989. The current Permit to Construct was issued on March 6, 2015 to additionally allow for aboveground soil treatment activities at the Site which were completed earlier this year (see Section 1.2.5 for further details). Active SVE wells are identified in Section 3.2 and Tables 3A through 3C.

1.2.3 Biosparge System

The biosparge wells for hydrocarbon removal from dissolved-phase subsurface impacts are located in areas throughout the former tank farm and eastern boundary of the Site. The biosparge system remains off-line (since the advent of recently completed soil cleanup activities per SGI's January 2018 *Shallow Soil Closure Report*) while recommissioning work continues in accordance with SGI's June 30, 2017 *Remediation Well Installation Update Report*. System operations are anticipated to resume on an expanded basis during Second Quarter 2018.

1.2.4 LNAPL Removal

LNAPL wells are gauged periodically and product removal is conducted via manually bailing, active pumping using a portable product skimmer and/or by utilizing absorbent socks installed based on the measured LNAPL thickness in each target well. An automated product recovery system connected to wells located in the north-central portion of the site has also operated since August 2016. LNAPL removal wells are identified in Sections 3.3 and 3.4, and Tables 4A through 4K. A map showing historical and current LNAPL extents is presented in Figure 3. As Figure 3 indicates, LNAPL removal activities to date have significantly reduced the product plume footprint.

1.2.5 Aboveground Soil Treatment

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

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 grade surface. The goal of this remediation was to cleanup source area soils that contributed to the degradation of groundwater, and ready the real property of the Site for eventual conveyance. Details associated with the OM&M of the biopiles are provided in prior remediation status reports. Further details regarding treatment cell construction and excavated soil cleanup activities are provided in SGI's January 2018 *Shallow Soil Closure Report.*

2.0 OPERATIONS, MAINTENANCE AND MONITORING

Operations, Maintenance, and Monitoring (OM&M) of the remediation systems included the following tasks:

- Performed minimum weekly maintenance and monitoring of the VES and GWETS during operation;
- Collected and analyzed VES influent and effluent vapor samples;
- Collected and analyzed GWETS influent and effluent groundwater samples;
- Performed weekly LNAPL removal from applicable wells via bailing, skimming and/or absorbent socks; and
- Performed weekly gauging of wells connected to the product recovery system to monitor for thicknesses sufficient to resume pumping, and continued extraction efforts from wells TF-16, TF-18 and RTF-18-NW along with resuming extraction from wells RTF-18-N (only temporarily from early October 2017 until late November 2017 at which point LNAPL recovery was insufficient to allow for continued pumping), RTF-18-E, RTF-18-W and RTF-18-NW, and adjusting the associated pump cycle durations and frequencies to optimize LNAPL removal.

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

2.1 Groundwater Extraction and Treatment System

The GWETS was off-line during the majority of the reporting period due primarily to media change out and system modification work required to achieve NPDES permit compliance during the latter half of November 2017 and throughout December 2017 (also off-line from the beginning of the reporting period until October 9, 2017 pending the completion of routine groundwater monitoring and sampling activities). System OM&M details and performance results for the reporting period are summarized in Tables 2A through 2C.

Performance and compliance water samples from the GWETS were collected during the reporting period on October 16, November 13, and December 11, 2017. The water samples were delivered to American Analytics, Inc. of Chatsworth, California (American) for analysis. American is a laboratory certified by the California Department of Public Health Environmental Laboratory Accreditation Program (ELAP).

The water samples were analyzed for the following:

- TPHg (total petroleum hydrocarbons quantified as gasoline) and TPH quantified as diesel (TPHd) using United States Environmental Protection Agency (EPA) Method 8015M;
- VOCs using EPA Method 8260B;

- Metals (arsenic and copper) using EPA Method 6020;
- Oil and grease using Standard Method (SM) 5520 B;
- Turbidity using SM 2130 B;
- Sulfides using SM 4500 S2-D;
- Total dissolved solids using SM 2540 C;
- Total suspended solids using SM 2540 D;
- Settleable Solids using SM 2540 F;
- Methylene blue active substances (MBAS) using SM 5540 C;
- Phenols using EPA Method 420.1;
- Biological oxygen demand (BOD) using SM 5210 B; and
- Acute toxicity using EPA Method 2000.0.

The GWETS effluent groundwater sampling results were provided under separate cover in SGI's January 15, 2018 *Groundwater Discharge Monitoring Report*. A historical summary of influent water analytical sample results is provided in Table 5. The laboratory analytical reports and chain-of-custody documents for these samples are included in Appendix A. As the results indicate, GWETS concentrations continue to be at or near historically low/asymptotic levels with maximum TPHd, benzene and MTBE concentrations this period of 78 micrograms per liter (µg/L), 4.5 µg/L and 0.54 µg/L, respectively. Maximum historic levels for these constituents are 6,300 µg/L (May 2013), 230 µg/L (February 2015) and 7.7 µg/L (June 2008), respectively.

2.2 Soil Vapor Extraction System

The VES operated most of the reporting period but was taken off-line on several occasions to conduct carbon change out and/or maintenance work, as well as for the holidays. The system was also manually shut down for a couple days in early October 2017 as a precautionary measure due to high ambient temperatures which resulted in excessive blower/motor operating temperatures. System operations otherwise occurred throughout the remainder of the reporting period.

As discussed in SGI's November 15, 2017 *Remediation Status Report - Third Quarter 2017,* additional VES wells were recently tied into the system as part of system expansion activities. The resulting increase in process concentrations caused the GAC to be correspondingly spent at an elevated rate such that change out events were required on a more frequent basis this quarter and last quarter relative to prior recent quarters. System OM&M details and performance results for the reporting period are summarized in Tables 3A through 3C.

Compliance and/or performance soil vapor samples from the VES were collected in Tedlar bags during the reporting period on October 12, November 2, and December 11, 2017. The vapor samples were delivered to ELAP certified American for analysis.

The vapor samples were analyzed for the following:

- TPHg using EPA Method 8015; and
- BTEX and MTBE using EPA Method 8260B.

A historical summary of influent vapor analytical sample results is provided in Table 6. The laboratory analytical reports and chain-of-custody documents for these samples are included in Appendix A. As the results indicate, VES concentrations continue to be at or near historically high levels following the tie-in of additional wells per SGI's March 14, 2017 *Well Replacement Report and Work Plan,* and June 30, 2017 *Remediation Well Installation Update Report.* Maximum gasoline range organic (GRO), benzene and MTBE concentrations this period are 1,500 µg/L, 3.2 µg/L and ND <2.0 µg/L, respectively. Maximum historic levels for these constituents are 2,500 µg/L for GRO (September 2017) and 3.9 µg/L for benzene (September 2017; MTBE has never been detected), respectively.

2.3 LNAPL Removal Via Bailing, Skimming and Absorbent Socks

Depth to product (DTP) and depth to groundwater (DTW) was measured to the nearest 0.01 foot from the top of the well casing (TOC) using an interface probe in select monitoring wells. LNAPL was removed from select wells via manually bailing, active pumping using a portable product skimmer and by utilizing absorbent socks installed in select wells. Mass and volume removal estimates using these techniques are summarized in Tables 4A through 4D along with associated LNAPL gauging results.

2.4 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. Product recovery system OM&M continued through the current reporting period. Details associated with the OM&M of the automated system are provided in Tables 4E through 4K.

2.5 Biosparge System

The biosparge system remains off-line as recommissioning efforts continue. The biosparge wells associated with the original system are located in areas throughout the former tank farm and eastern boundary of the Site. As summarized on Table 1, several of these former wells were abandoned to allow for the excavation of impacted soil from the area at or surrounding each respective well per (see Section 1.2.5) 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 most recently installed during late June and early July 2017 (Table 1). These wells were installed as part of planned remedial expansion activities to target impacts in the northeastern and former truck fueling areas of the Site (Figure 2).in accordance with SGI's March 14, 2017 *Well Replacement Report and Work Plan,* and June 30, 2017 *Remediation Well Installation Update Report.*

3.0 SUMMARY OF REMEDIATION PROGRESS

The following sections describe remedial progress at the Site.

3.1 Groundwater Extraction and Treatment System

The GWETS again extracted groundwater from the northwest (GW-2) and northeast (GW-15 and GW-16) areas of the Site during the reporting period. Well GW-13 remained off-line (determined to not be pumping on June 12, 2017) until mid-December 2017 when it was temporarily tested following the completion of conveyance line repair/replacement work. The total volume of groundwater extracted by the GWETS this quarter was approximately 396,896 gallons, and an estimated 77,713,213 gallons have been extracted since April 1996. Based on the TPHd results for influent water samples and total groundwater extracted, the mass of TPHd removed by GWE this period (Fourth Quarter 2017) was approximately 0.2 pounds, and an estimated 9,945 pounds have been removed since April 1996 (Table 2C).

3.2 Soil Vapor Extraction System

The VES continued to primarily extract from recently installed eastern and southern area wells (RW-1, RW-9, RW-13, RW-18, RW-20, RW-22 through RW-24, RW-26, and RW-28 through RW-33) along with two of the four horizontal wells that span through the entire former tank farm area (HW-1 and HW-7), and vertical wells VEW-38, VEW-39 and VEW-40 (tied into the system during Second Quarter 2017, and located in the former truck fueling area; see Figure 2). Horizontal well HW-3 remained off-line after it was determined to be yielding minimal flow during July 2017. The well was scoped during November 2017 and determine to have collapsed in two separate locations. Testing from the southern end of the well is planned for the next reporting period since the area where it has collapsed on that end is well over 100 feet from the connection point. Horizontal well HW-5 remained off-line due to low/asymptotic concentrations (Table 7A).

Since the eastern and southern area wells generally exhibit concentrations beyond what can feasibly be processed by the vapor phase carbon treatment system, ongoing thermal oxidizer treatment system installation activities continued during the reporting period. A relatively small (500 standard cubic feet per minute [scfm]) temporary unit was procured during November 2017. The permitting and installation of a propane tank required for oxidizer operations was also completed during November 2017 with necessary electrical upgrade installation work subsequently being completed during December 2017. Startup of the temporary thermal oxidizer is planned for January 2018 followed by the replacement of this interim equipment with an appropriately sized permanent/full-scale thermal oxidizer (i.e., approximately 3,000 scfm) during Third Quarter 2018.

In the meantime, the vapor phase carbon treatment system continued to operate with the dilution valve being opened during mid-October 2017 to reduce the carbon usage rate. The system was also temporarily off-line during mid to late October 2017, and again in mid to late November 2017, as well as from December 22, 2017 through the end of the reporting period for the holidays and/or

to conduct carbon change out fieldwork. Well valves were set to optimize system performance in accordance with recent field readings and/or lab data. Extraction from other existing vapor extraction wells was not conducted based on field and/or laboratory data presented herein.

The total mass of VOCs removed via SVE during this period (Fourth Quarter 2017) was approximately 5,284 pounds, and an estimated 2,967,354 pounds have been removed since April 1996 (Tables 3A, 3B, and 3C). The total mass removed by SVE does not include the mass removed *in-situ* via biodegradation.

3.3 LNAPL Removal Via Bailing, Skimming and Absorbent Socks

During the reporting period, DTW and DTP was measured in well GMW-62 located off site in Holifield Park, and wells GMW-18, GMW-68, TF-15, TF-16, TF-18 and TF-19, and recently installed wells RTF-18-N, RTF-18-E, RTF-18-W, RTF-18-NW and RTF-18-NNW (all installed in the vicinity of existing well TF-18 to enhance LNAPL removal in that area). As detailed in the following section, these recently installed wells were all connected to an automated product recovery system along with well TF-18 during August 2016 (well TF-16 was most recently connected to this system during March 2017).

For the remaining listed wells (and TF-16 through February 2017), LNAPL was removed via manual bailing, active pumping using a portable product skimmer and/or by utilizing absorbent socks installed in select wells. Approximately 19 gallons (127 pounds) of LNAPL was recovered from the Site this period (Tables 4A through 4D) via these techniques. The waste manifests associated with the used socks and product that was removed this period is provided as Appendix B.

3.4 Product Recovery System

The product recovery system began operating on August 8, 2016 following the completion of permitting and installation work. The system consists of six pneumatically activated product removal pumps (two additional pumps were procured during October 2017 in response to increasing LNAPL thickness trends from the prior reporting period) deployed in key wells located in the north-central portion of the Site. The pumped product is routed to an AST located within the existing treatment compound via double contained conveyance piping for subsequent off-site removal by a licensed transport, recycling and disposal company. LNAPL removal is determined individually for wells with product removal pumps based on interpolating the total volume of product collected in the AST during a given quarter and periodically measuring the volume of LNAPL recovered per cycle for each pump (i.e., portion of total AST product volume assigned to each pump calculated from well-specific cycle duration and frequency values programmed on the basis of current gauging and yield data).

Per SGI's January 18, 2017 *TF-18 Area LNAPL Recovery Report and Interim Work Plan,* enhanced LNAPL recovery testing was conducted during October and November 2017. Activities included vacuum-enhanced product skimming, bail down and total fluid extraction testing, and a bench-scale surfactant treatability study using soil, groundwater and LNAPL samples collected during June 2017 following the installation of pilot test wells around existing well RTF-18-NW. Testing details and results/findings will be provided under separate cover.

A total of approximately 193 gallons (1,324 pounds) of LNAPL was pumped from wells TF-16, TF-18, RTF-18-N, RTF-18-E, RTF-18-W and RTF-18-NW during the reporting period. The LNAPL thickness in product recovery system well RTF-18-NNW was insufficient to allow for the resumption of pumping this period, and the yield in well RTF-18-N declined to the point where pumping needed to again be stopped on November 30, 2017 following the resumption of pumping from this well on October 10, 2017 (previously off-line since September 14, 2016 to allow for LNAPL recovery). LNAPL gauging results along with cumulative mass and volume removal estimates from all of these wells are summarized in Tables 4E through 4K. As the tables indicate, increasing product thickness trends from the prior reporting period also allowed pumping to resume in wells RTF-18-E and RTF-18-W during early October 2017 with both pumps remaining online through the remainder of the reporting period.

When combined with the product recovery estimate from the preceding section, a total of approximately 212 gallons (1,451 pounds) of LNAPL was removed from the Site during Fourth Quarter 2017, and an estimated 6,447 gallons (44,113 pounds) of LNAPL has been removed since January 2014. The advent of product recovery system operations since August 2016 has thus resulted in the successful removal of over 80% of all the LNAPL recovered from the Site over the last four years.

The waste manifests associated with the product that was removed from the AST and/or storage drums this period is provided as Appendix B. As the waste manifests indicate, most of the liquid disposed this period was not associated with the product recovery system but rather resulted from the above mentioned enhanced LNAPL recovery testing activities. Based on the receiving ticket analytical data associated with the manifests, the overwhelming percentage of liquid waste generated during the October and November 2017 tests was water and not product.

3.5 Biosparge System

Recommissioning of the former biosparge system continued during the reporting period. Conveyance piping and control vaults were installed for wells in the eastern area (RW-1 through RW-18, and TFB-36 through TFB-38). A main system control manifold was also installed in the northeastern portion of the treatment compound, and the system blower has been procured. As discussed previously, additional biosparge wells are planned for installation during the next reporting period per SGI's October 11, 2017 *Addendum to Revised Remedial Action Plan.* The resumption of biosparge system operations on an expanded basis is anticipated to commence during Second Quarter 2018.

4.0 SYSTEM EVALUATION AND OPTIMIZATION

Remedial system optimization activities are ongoing at the Site to help ensure effective cleanup operations. For the VES, vapor-phase VOC concentrations from the horizontal wells (i.e., HW-1, HW-3, HW-5 and HW-7) remained relatively stable this quarter although HW-1 concentrations appear to have continued with the increasing trend that began last quarter following the completion of rehabilitation work during July 2017 (i.e., after wells HW-1 and HW-3 were determined to be plugged in mid-July 2017). Extraction from these wells was optimized by keeping HW-5 off-line during the reporting period based on field readings (Table 7A) and lab data (Table 8).

Well HW-3 remained off-line during the reporting period after exhibiting only minimal flow following July 2017 rehabilitation work and was determined to be collapsed in two separate locations based on the results of November 2017 scoping work. Testing from the southern end of the well is planned for the next reporting period since the area where it has collapsed on that end is over 100 feet from the connection point.

Vertical wells VEW-32 through VEW-37 were again left off-line this quarter based on continued low/asymptotic field readings (Table 7A) which are consistent with the laboratory results from late June 2017 (Table 8). Conversely, recently installed and tied-in wells VEW-38, VEW-39 and VEW-40 continued to be operated during the reporting period based on field readings (Table 7A) and laboratory results (Table 8) which show VEW-40 concentrations to be relatively high on a site-wide and historical basis.

As indicated previously, several new extraction wells were brought online during the prior reporting period (i.e., 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) following the completion of recent installation and system tie-in work. Some of these wells were closed during August 2017 (RW-2, RW-7, RW-12 and RW-21) based on field readings (Tables 7B and 7C) and laboratory results (Table 8). The relatively high process vapor concentration levels associated with the operation of the remaining wells that continue to be used as extraction points resulted in more frequent carbon change outs during the reporting period (Tables 3A through 3C).

Once thermal oxidizer operations commence, the respective systems will be reconfigured on a regular basis to allow for cost-effective operations as levels in one or more currently high concentration wells decline to the point where carbon treatment becomes feasible. Note that it may not be possible to operate both vapor extraction systems until electrical upgrade work required for the permanent/full-scale thermal oxidizer is completed during the first half of 2018. If this is the case, the temporary thermal oxidizer would be utilized to maximize mass extraction on an interim basis with the GAC emissions VES being left off-line (i.e., concurrent GAC and thermal oxidizer system operations would only occur during 2018 following the completion of required electrical upgrade work).

The planned resumption of biosparge system operations on an expanded basis is also anticipated to occur during 2018. Details associated with expanded system operations will be provided in a

forthcoming document. In the meantime, SGI will continue to monitor individual well influent vapor concentrations, and modify which wells are online along with adjusting valve positions, as necessary.

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

GWE in the northwest and northeast areas will continue to assist with contaminant containment. 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. As indicated on Tables 4F through 4I, LNAPL recovery sufficient to allow pumping to resume occurred in wells TF-18 and RTF-18-N, RTF-18-E and RTF-18-W during the reporting period, with wells TF-16 and RTF-18-NW continuing to operate from the prior reporting period. The only well that remained off-line was RTF-18-NNW (Table 4K) where product thicknesses continued to be measured at less than 0.3 foot during the reporting period.

Up-to-date gauging data will continue to be collected during the next reporting period with rotating recovery operations being implemented on the basis of ongoing performance data. If warranted by the data, pumping will also resume in any locations where it was previously conducted such as GMW-68 where automated operations were temporarily conducted during the prior quarter (via the use of a dedicated pump and truck-mounted pumping power equipment) but have no longer been necessary since September 2017 (Table 4B).

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 will also be made on the basis of ongoing bail down testing which is conducted to establish current transmissivity values for correlating apparent to actual product thicknesses.

Pilot testing was also conducted during the reporting period in accordance with SGI's January 18, 2017 *TF-18 Area LNAPL Recovery Report and Interim Work Plan* to evaluate the feasibility of system expansion and/or enhanced product recovery with the goal of achieving LNAPL removal to the maximum extent practicable. The testing details and results/findings will be provided under separate cover.

5.0 PLANNED FIRST QUARTER 2018 ACTIVITIES

During the next reporting period, DLA plans to continue to focus in-situ remedial efforts on the northwestern, northeastern, north-central and southerly former truck fueling areas of the Site along with completing the remaining items necessary to resume biosparge system operations on an expanded basis. Following is a summary of planned First Quarter 2018 OM&M activities:

- Continue minimum weekly maintenance and monitoring of the VES and GWETS, including measuring individual well vapor concentrations with an organic vapor analyzer (OVA); and collecting/analyzing SVE and GWE influent and effluent vapor and groundwater samples;
- Collect individual extraction well vapor samples for laboratory analysis, including former AST area horizontal wells and/or those located along the eastern to northeastern property boundary, and southern former water tank and truck fueling areas;
- Complete conveyance line installation work to allow for the future tie-in of additional RW wells to the system (i.e., remainder of recently installed RW wells not hooked up to the VES during the current reporting period);
- Conduct additional testing from the southern end of well HW-3 to determine if extraction from the remaining intact portion of this well is still viable following visual confirmation that the casing collapsed in two separate locations (non-operational since July 2017);
- Continue regular LNAPL gauging and removal activities (as applicable), including wells GWM-18, GWM-62 and GMW-68 (both located off site in Holifield Park), TF-15, TF-19, and product recovery system wells TF-16, TF-18, RTF-18-N, RTF-18-E, RTF-18-W, RTF-18-NW and RTF-18-NNW;
- Continue controlled product recovery system OM&M from wells TF-16, TF-18, RTF-18-N, RTF-18-E, RTF-18-W, and/or RTF-18-NW, located in the north-central portion of the Site, with focused efforts in wells where LNAPL yields are the most significant;
- Conduct automated product recovery from applicable wells (e.g., GWM-18, GWM-68 and/or TF-15) using truck-mounted pumping power equipment (if warranted based on current LNAPL gauging data) with extraction frequencies and durations adjusted accordingly to help maximize the yield without isolating the well from the product plume;
- Conduct GWETS upgrade/modification work, including re-piping the treatment vessels to simplify the set up along with replacing the surge tank with a newer unit and removing any equipment that is no longer in use;
- Continue to evaluate GWE flow rates and confirm contaminant containment;
- Bring pumping well GW-13 back online on a full-time basis following the completion of conveyance line repair/replacement work during mid-December 2017;

- Complete recommissioning activities associated with the former biosparge system, including installation of the blower and upgraded electrical control manifold (to accommodate additional trunk line piping) along with the system canopy so that operations can subsequently resume on an expanded basis;
- Connect recently installed additional SVE and biosparge wells via conveyance piping and control vaults per SGI's October 11, 2017 *Addendum to Revised Remedial Action Plan* (primarily eastern area wells as southern and central area wells are not anticipated to be connected until Second Quarter 2018);
- Begin temporary thermal oxidizer operations to maximize mass extraction and allow for the cost-effective treatment of at least some of the highest concentration vapor extraction wells (i.e., such a unit is only available at a size that is too small to process all of the flow from any such recently tied-in wells and/or additional wells anticipated to be hooked up during 2018 but has the advantage of rapid implementation so will be utilized until installation of the full-scale oxidizer is completed later during 2018);
- Utilize dilution air, as necessary, to control carbon vapor treatment system process concentrations and allow for reasonable carbon usage rates until the temporary thermal oxidizer can be brought online to extract from the highest concentration wells;
- Operate the temporary thermal oxidizer in conjunction with the existing GAC emissions VES so that both high and low concentration wells can be treated while required permitting and electrical/gas service line upgrade work is conducted in preparation for the deployment and hookup of an appropriately sized permanent/full-scale thermal oxidizer (i.e., designed to process all high concentration well flows with any remaining lower concentration well flows being treated via the existing GAC system);
- Decommission the defunct former thermal oxidizer at the Site to make room for the replacement full-scale unit; and
- Prepare and submit a final report documenting the activities and results/findings associated with enhanced LNAPL recovery testing recently conducted in accordance with SGI's January 18, 2017 *TF-18 Area LNAPL Recovery Report and Interim Work Plan*.

Ongoing remediation activities and progress will be described in the *First Quarter 2018 Remediation Progress Report* to be submitted by May 15, 2018.

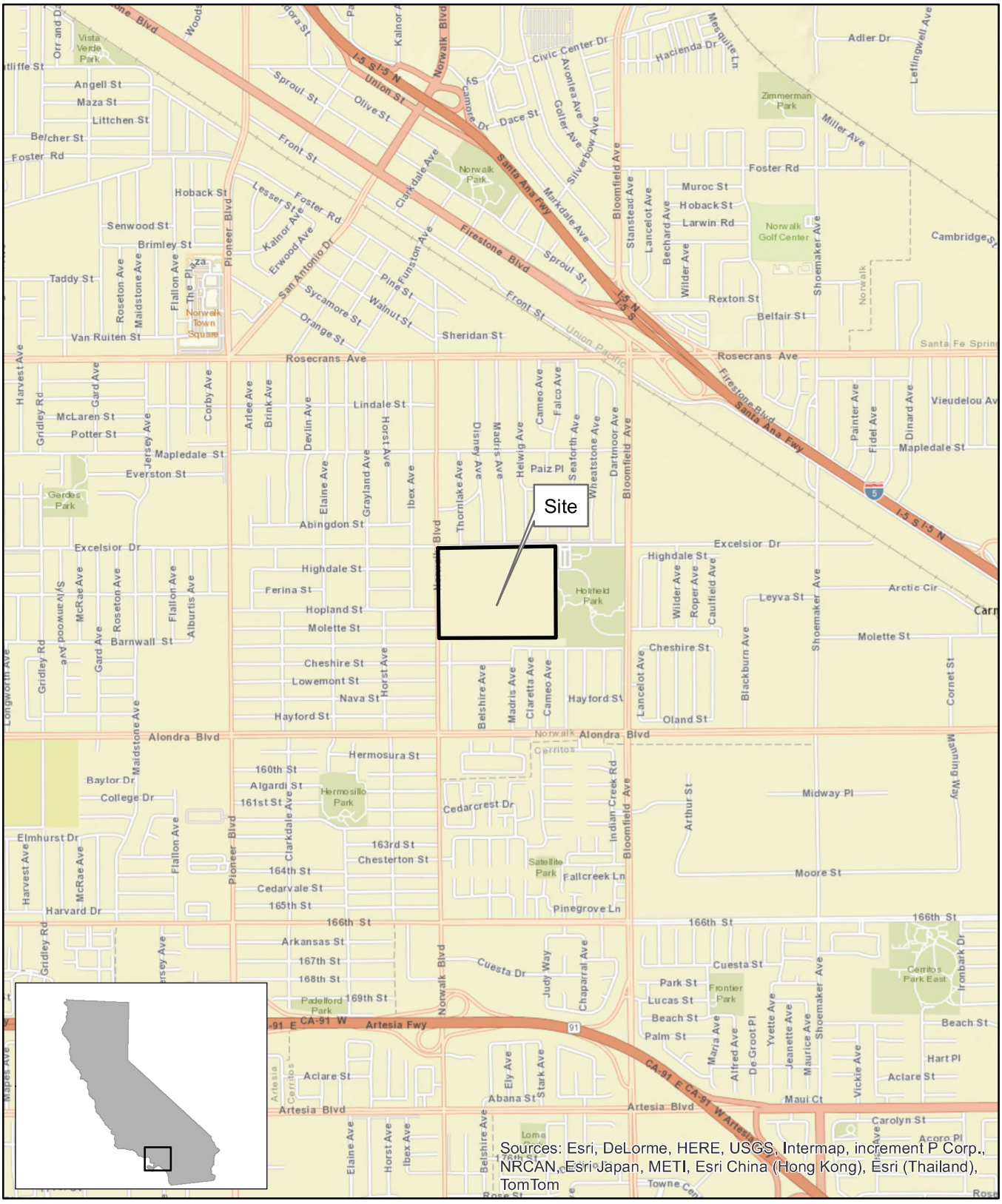
6.0 LIMITATIONS

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

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

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

FIGURES



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

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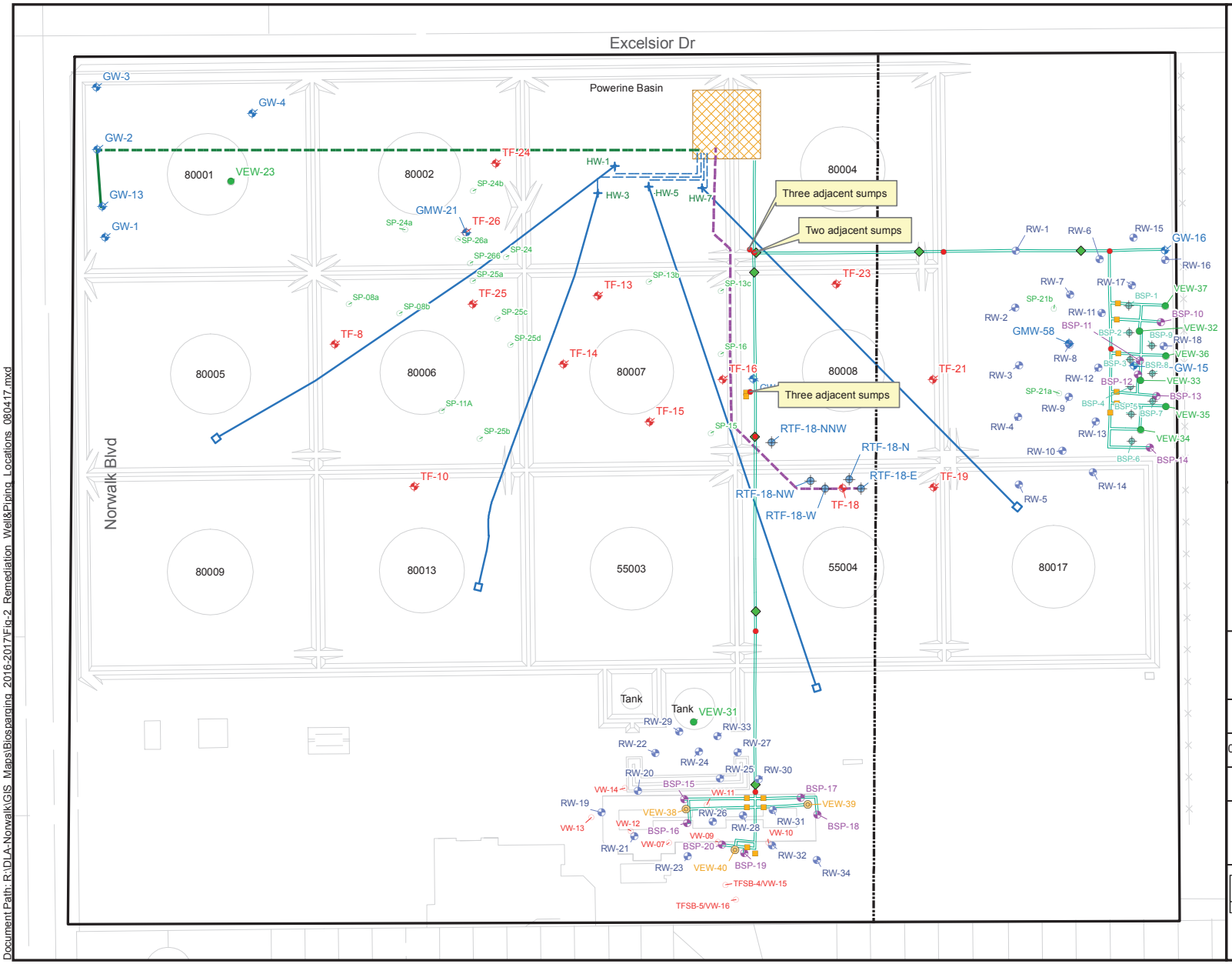
SIGNAL HILL, CA 90755
(562) 597-1055

DEFENSE FUEL SUPPORT POINT NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

SITE LOCATION MAP

FIGURE **1**

Document Name: Fig-1_Norwalk_Site_Location_Map



Legend

- Former Above Ground Storage Tanks
- DFSP Norwalk Border
- Existing Treatment System
- 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
- Groundwater Extraction Wells
- Biosparging Wells (November 2016)
- Biosparging Wells (April 2007)
- Vapor Extraction Wells (November 2016)
- Vapor Extraction Wells (April 2007)
- Biosparging and Vapor Extraction Wells (July 2017)
- Total Fluid and Groundwater Extraction Wells
- Vapor Extraction Wells (2004)
- Sparging Points (August 2004)
- Access Vaults for Groundwater Extraction Piping
- Condensate Sump for Vapor Extraction Piping
- Remediation System Control Vaults

N

DFSP Norwalk
15306 Norwalk Boulevard
Norwalk, California

Project Number:	Date:	Drawn By:	Approved By:
04-NDLA-007	08/01/2017	PW	BT

0 70 140 280 Feet

Site Map Showing Remediation Well and Piping Locations

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(562) 597-1055

Figure 2

Document Path: R:\DLA-Norwalk\GIS_Maps\Biosparging_2016-2017\Fig-2_Remediation_Well&Piping_Locations_080417.mxd

Legend

- Former Above Ground Storage Tanks
- DFSP Norwalk Border
- Treatment System
- Interpreted Maximum Current Lateral Extent of LNAPL
- Interpreted Maximum Historical Lateral Extent of LNAPL

Notes

Maximum historical larteral LNAPL extent based on available gauging, UVOST and groundwater analytical data.

Maximum current lateral LNAPL extents based on available gauging data collected from April 2017 and September to October 2017.

DFSP Norwalk
15306 Norwalk Boulevard
Norwalk, California

Project Number:	Date:	Drawn By:	Approved By:
04-NDLA-007	11/3/2017	PW	MW

0 80 160 320 Feet

Site Map Showing Historical and Current LNAPL Extent

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

Figure 3

Document Path: R:\DLA-Norwalk\GIS_Maps\LNAPL_Work_Plan_Maps\Fig-3_LNAPL_Extent_11032017.mxd

TABLES

TABLE 1

Remediation Well Construction Details

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Remediation Area	Well	Notes	Installation Date	Casing Elevation (ft msl)	Total Depth (ft bgs)	Screen Interval (ft bgs)	Remediation Well Function
North-West (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
North-Central (AST 80002, AST 80004, AST 80006, AST 80007, AST 80008, AST 8001, AST 55004)	VEW-22		--	--	25	15 - 25	SVE
	HW-1		--	--	25	Continuous	SVE
	HW-3		--	--	25	Continuous	SVE
	HW-5		--	--	25	Continuous	SVE
	HW-7		--	--	25	Continuous	SVE
	GMW-21	1	08/02/91	76.23	50	25 - 50	TFE/GWE
	GW-14R	2	11/08/16	78.77	50	25 - 50	GWE
	SP8a		--	--	50	48 - 50	Biosparge
	SP-8b		--	--	50	48 - 50	Biosparge
	SP-11b		--	--	50	48 - 50	Biosparge
	SP-11c		--	--	50	48 - 50	Biosparge
	SP-13b	3	--	--	50	48 - 50	Biosparge
	SP-13c		--	--	50	48 - 50	Biosparge
	SP-15	4	--	--	50	48 - 50	Biosparge
	SP-16		--	--	50	48 - 50	Biosparge
	SP-21a		--	--	50	48 - 50	Biosparge
	SP-21b		--	--	50	48 - 50	Biosparge
	SP-24		--	--	50	48 - 50	Biosparge
	SP-24a		--	--	50	48 - 50	Biosparge
	SP-24b		--	--	50	48 - 50	Biosparge
	SP-25a		--	--	50	48 - 50	Biosparge
	SP-25b		--	--	50	48 - 50	Biosparge
	SP-25c		--	--	50	48 - 50	Biosparge
	SP-25d		--	--	50	48 - 50	Biosparge
	SP-26		--	--	50	48 - 50	Biosparge
	SP-26a		--	--	50	48 - 50	Biosparge
	TF-8		09/22/95	74.86	63	25 - 60	TFE, GWE
	TF-9	5	09/22/95	74.47	63	25 - 60	TFE, GWE
	TF-10		09/25/95	73.61	63	25 - 60	TFE, GWE
	TF-11	5	09/25/95	74.40	63	25 - 60	TFE, GWE
	TF-13		09/26/95	75.47	63	25 - 60	TFE, GWE
	TF-14		09/27/95	74.35	63	25 - 60	TFE, GWE
	TF-15		09/28/95	74.78	63	25 - 60	TFE, GWE
	TF-16		09/28/95	75.89	63	25 - 60	TFE, GWE
	TF-17	6	09/29/95	74.88	63	25 - 60	TFE, GWE
	TF-18		07/06/94	73.75	50.5	20 - 50	TFE, GWE
	TF-19		10/03/95	75.07	63	25 - 60	TFE, GWE
	TF-20	7	10/03/95	75.08	63	25 - 60	TFE, GWE
	TF-21		09/29/95	74.96	63	25 - 60	TFE, GWE
	TF-22	8	10/02/95	74.76	63	25 - 60	TFE, GWE
North-Central (AST 80002, AST 80004, AST 80006, AST 80007, AST 80008, AST 8001, 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

TABLE 1

Remediation Well Construction Details

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Remediation Area	Well	Notes	Installation Date	Casing Elevation (ft msl)	Total Depth (ft bgs)	Screen Interval (ft bgs)	Remediation Well Function
North-East	BSP-1		04/18/07	--	50	47 - 49	Biosparge
	BSP-2		04/18/07	--	50	48 - 50	Biosparge
	BSP-3		04/17/07	--	48	46 - 48	Biosparge
	BSP-4		04/17/07	--	49	47 - 49	Biosparge
	BSP-5		04/17/07	--	49.5	47 - 49	Biosparge
	BSP-6		04/18/07	--	49	47 - 49	Biosparge
	BSP-7		04/19/07	--	48	46 - 48	Biosparge
	BSP-8		04/19/07	--	48	46 - 48	Biosparge
	BSP-9		04/19/07	--	48	46 - 48	Biosparge
	BSP-10	10	11/04/16	--	46.5	44 - 46	Biosparge
	BSP-11	10	11/04/16	--	40	38 - 40	Biosparge
	BSP-12	10	11/04/16	--	46.5	44 - 46	Biosparge
	BSP-13	10	11/07/16	--	46.5	44 - 46	Biosparge
	BSP-14	10	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	11	06/21/17	-- / --	33 / 46	15 - 35 / 43 - 45	SVE / Biosparge
	RW-2	11	06/21/17	-- / --	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
	RW-3	11	06/21/17	-- / --	37 / 46	17 - 37 / 43 - 45	SVE / Biosparge
	RW-4	11	06/22/17	-- / --	34 / 46	14 - 34 / 43 - 45	SVE / Biosparge
	RW-5	11	06/22/17	-- / --	34 / 46	14 - 34 / 43 - 45	SVE / Biosparge
	RW-6	11	06/27/17	-- / --	37 / 46	17 - 37 / 43 - 45	SVE / Biosparge
	RW-7	11	06/26/17	-- / --	37 / 46	17 - 37 / 43 - 45	SVE / Biosparge
	RW-8	11	06/28/17	-- / --	38.5 / 46	18.5 - 38.5 / 43 - 45	SVE / Biosparge
	RW-9	11	06/26/17	-- / --	35 / 46	15 - 35 / 43 - 45	SVE / Biosparge
	RW-10	11	06/22/17	-- / --	34 / 46	14 - 34 / 43 - 45	SVE / Biosparge
	RW-11	11	06/26/17	-- / --	36 / 46	16 - 36 / 43 - 45	SVE / Biosparge
	RW-12	11	06/23/17	-- / --	34 / 46	14 - 34 / 43 - 45	SVE / Biosparge
	RW-13	11	06/23/17	-- / --	35 / 46	15 - 35 / 43 - 45	SVE / Biosparge
	RW-14	11	06/23/17	-- / --	34 / 46	14 - 34 / 43 - 45	SVE / Biosparge
	RW-15	11	06/20/17	-- / --	33 / 46	18 - 38 / 43 - 45	SVE / Biosparge
	RW-16	11	06/20/17	-- / --	33 / 46	14 - 34 / 43 - 45	SVE / Biosparge
	RW-17	11	06/27/17	-- / --	33 / 46	19 - 39 / 43 - 45	SVE / Biosparge
	RW-18	11	06/20/17	-- / --	33 / 46	18 - 38 / 43 - 45	SVE / Biosparge
	SP-21a	3	--	--	50	48 - 50	Biosparge
	SP-21b	3	--	--	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
Southern Former Truck Fueling Area and Adjacent Water Tank Area	BSP-15	10	11/02/16	--	50.5	48 - 50	Biosparge
	BSP-16	10	11/03/16	--	50.5	48 - 50	Biosparge
	BSP-17	10	11/03/16	--	50.5	48 - 50	Biosparge
	BSP-18	10	11/03/16	--	50.5	48 - 50	Biosparge
	BSP-19	10	11/02/16	--	50.5	48 - 50	Biosparge
	BSP-20	10	11/01/16	--	50.5	48 - 50	Biosparge
	RW-19	11	06/30/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
	RW-20	11	06/29/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
	RW-21	11	06/30/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
	RW-22	11	06/28/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
	RW-23	11	06/30/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
	RW-24	11	06/28/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge

TABLE 1

Remediation Well Construction Details

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Remediation Area	Well	Notes	Installation Date	Casing Elevation (ft msl)	Total Depth (ft bgs)	Screen Interval (ft bgs)	Remediation Well Function
Southern Former Truck Fueling Area and Adjacent Water Tank Area	RW-25	11	06/28/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
	RW-26	11	07/03/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
	RW-27	11	06/28/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
	RW-28	11	07/03/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
	RW-29	11	06/29/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
	RW-30	11	06/27/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
	RW-31	11	07/03/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
	RW-32	11	07/03/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
	RW-33	11	06/29/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
	RW-34	11	07/03/17	--	33 / 46	13 - 33 / 43 - 45	SVE / Biosparge
	VEW-31		08/03/04	75.10	15	5 - 15	SVE
	VEW-38	10	11/02/16	--	30.5	20 - 30	SVE
	VEW-39	10	11/03/16	--	30.5	20 - 30	SVE
	VEW-40	10	11/02/16	--	30.5	20 - 30	SVE
	VW-07		--	75.64	--	--	SVE
	VW-09		--	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
GWE = Groundwater extraction
SVE = Soil vapor extraction
TFE = Total fluids extraction
-- = 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 March 14, 2017 *Well Replacement Report and Work Plan.*
11 = Recently installed per SGI's June 30, 2017 *Remediation Well Installation Update Report.*

TABLE 2A

Groundwater Extraction and Treatment System Operations Summary - October

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	GW-2 Totalizer Reading (gallons)	GW-13 Totalizer Reading (gallons)	GW-15 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from North-East Area (gallons)	Groundwater Extracted from North-West Area (gallons)	NPDES Discharge Totalizer Reading (gallons)	Groundwater Extracted and Treated Per Day (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed [A] (lb)
10/1/17	Off line		504,110	4,208,957	24,533	75,815	11,135,575	4,713,067	77,316,317	0	--	9,945
10/2/17	Off line		504,110	4,208,957	24,533	75,815	11,135,575	4,713,067	77,316,317	0	--	9,945
10/3/17	Off line		504,110	4,208,957	24,533	75,815	11,135,575	4,713,067	77,316,317	0	--	9,945
10/4/17	Off line		504,110	4,208,957	24,533	75,815	11,135,575	4,713,067	77,316,317	0	--	9,945
10/5/17	Off line		504,110	4,208,957	24,533	75,815	11,135,575	4,713,067	77,316,317	0	--	9,945
10/6/17	Off line		504,110	4,208,957	24,533	75,815	11,135,575	4,713,067	77,316,317	0	--	9,945
10/7/17	Off line		504,110	4,208,957	24,533	75,815	11,135,575	4,713,067	77,316,317	0	--	9,945
10/8/17	Off line		504,110	4,208,957	24,533	75,815	11,135,575	4,713,067	77,316,317	0	--	9,945
10/9/17	Technician	1	504,110	4,208,957	24,533	75,815	11,135,575	4,713,067	77,316,317	0	--	9,945
10/10/17	*		506,268	4,208,957	27,680	78,734	11,141,641	4,715,225	77,324,253	7,936	--	9,945
10/11/17	*		508,425	4,208,957	30,826	81,653	11,147,706	4,717,382	77,332,188	7,936	--	9,945
10/12/17	*		510,583	4,208,957	33,973	84,572	11,153,772	4,719,540	77,340,124	7,936	--	9,945
10/13/17	*		512,740	4,208,957	37,120	87,491	11,159,837	4,721,697	77,348,059	7,936	--	9,945
10/14/17	*		514,898	4,208,957	40,266	90,410	11,165,903	4,723,855	77,355,995	7,936	--	9,945
10/15/17	*		517,055	4,208,957	43,413	93,329	11,171,968	4,726,012	77,363,930	7,936	--	9,945
10/16/17	Technician	2	519,460	4,208,957	46,920	96,582	11,178,729	4,728,417	77,372,775	8,845	64	9,945
10/17/17	*		521,686	4,208,957	50,736	99,945	11,185,908	4,730,643	77,381,881	9,106	--	9,945
10/18/17	*		523,912	4,208,957	54,553	103,307	11,193,087	4,732,869	77,390,986	9,106	--	9,945
10/19/17	*		526,138	4,208,957	58,369	106,670	11,200,266	4,735,095	77,400,092	9,106	--	9,945
10/20/17	*		528,364	4,208,957	62,185	110,033	11,207,445	4,737,321	77,409,198	9,106	--	9,945
10/21/17	*		530,590	4,208,957	66,002	113,396	11,214,624	4,739,547	77,418,303	9,106	--	9,945
10/22/17	*		532,815	4,208,957	69,818	116,758	11,221,803	4,741,772	77,427,409	9,106	--	9,945
10/23/17	Technician		534,995	4,208,957	73,555	120,051	11,228,833	4,743,952	77,436,325	8,916	--	9,945
10/24/17	*		535,582	4,208,957	74,588	123,377	11,233,192	4,744,539	77,444,834	8,509	--	9,945
10/25/17	*		536,169	4,208,957	75,622	126,703	11,237,552	4,745,126	77,453,342	8,509	--	9,945
10/26/17	*		536,756	4,208,957	76,655	130,029	11,241,911	4,745,713	77,461,851	8,509	--	9,945
10/27/17	*		537,343	4,208,957	77,689	133,355	11,246,270	4,746,300	77,470,360	8,509	--	9,945
10/28/17	*		537,930	4,208,957	78,722	136,680	11,250,629	4,746,887	77,478,868	8,509	--	9,945
10/29/17	*		538,517	4,208,957	79,755	140,006	11,254,989	4,747,474	77,487,377	8,509	--	9,945
10/30/17	*		539,104	4,208,957	80,789	143,332	11,259,348	4,748,061	77,495,885	8,509	--	9,945
10/31/17	Technician	3	539,642	4,208,957	81,736	146,381	11,263,344	4,748,599	77,503,685	7,800	--	9,945

Cumulative Groundwater Discharged by the GWETS to Date (gallons)							
Period	October	Quarter 1, 2017	Quarter 2, 2017	Quarter 3, 2017	Quarter 4, 2017	2017 to Date	April 1996 to Date
Volume	187,368	467,663	487,446	516,961	187,368	1,659,438	77,503,685

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	October	Quarter 4 to Date	April 1996 to Date
Mass	0.11	0.11	9,945.1

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

Legend / Notes:

1 = GWETS restarted (off-line since 9/25/17) following completion of groundwater monitoring and sampling activities.

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

3 = Replaced GW-15 totalizer after taking final reading as a precautionary measure based on assessment of gauge condition during routine maintenance inspection.

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

GWETS = Groundwater extraction and treatment system

µg/L - Micrograms per liter

lb = Pounds

DRO = Diesel range organics

A = Hydrocarbon removal is calculated using analytical laboratory result for DRO (if not detected, half the detection limit is used) from sample collected on: 10/16/17 (laboratory report attached).

-- = Not applicable

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

TABLE 2B

Groundwater Extraction and Treatment System Operations Summary - November

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	GW-2 Totalizer Reading (gallons)	GW-13 Totalizer Reading (gallons)	GW-15 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from North-East Area (gallons)	Groundwater Extracted from North-West Area (gallons)	NPDES Discharge Totalizer Reading (gallons)	Groundwater Extracted and Treated Per Day (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed [A] (lb)
11/1/17	*		541,624	4,208,957	3,166	149,802	11,269,931	4,750,581	77,511,766	8,081	--	9,945
11/2/17	*		543,606	4,208,957	6,332	153,223	11,276,518	4,752,563	77,519,847	8,081	--	9,945
11/3/17	*		545,587	4,208,957	9,498	156,643	11,283,104	4,754,544	77,527,928	8,081	--	9,945
11/4/17	*		547,569	4,208,957	12,664	160,064	11,289,691	4,756,526	77,536,009	8,081	--	9,945
11/5/17	*		549,551	4,208,957	15,830	163,485	11,296,278	4,758,508	77,544,090	8,081	--	9,945
11/6/17	*		551,533	4,208,957	18,996	166,906	11,302,865	4,760,490	77,552,171	8,081	--	9,945
11/7/17	Technician		553,556	4,208,957	22,160	170,398	11,309,521	4,762,513	77,560,420	8,249	--	9,945
11/8/17	*		555,066	4,208,957	28,192	173,765	11,318,920	4,764,023	77,571,079	10,659	--	9,945
11/9/17	*		556,575	4,208,957	34,224	177,132	11,328,319	4,765,532	77,581,737	10,659	--	9,945
11/10/17	*		558,085	4,208,957	40,256	180,498	11,337,718	4,767,042	77,592,396	10,659	--	9,945
11/11/17	*		559,595	4,208,957	46,289	183,865	11,347,117	4,768,552	77,603,055	10,659	--	9,945
11/12/17	*		561,105	4,208,957	52,321	187,232	11,356,516	4,770,062	77,613,713	10,659	--	9,945
11/13/17	Technician	1,2,3	562,565	4,208,957	58,156	190,489	11,365,608	4,771,522	77,624,024	10,311	78	9,945
11/14/17	*		563,376	4,208,957	62,897	193,565	11,373,425	4,772,333	77,633,871	9,847	--	9,945
11/15/17	*		564,187	4,208,957	67,638	196,641	11,381,241	4,773,144	77,643,718	9,847	--	9,945
11/16/17	*		564,998	4,208,957	72,379	199,716	11,389,058	4,773,955	77,653,565	9,847	--	9,945
11/17/17	Technician	4	565,920	4,208,957	77,768	203,213	11,397,944	4,774,877	77,664,759	11,194	--	9,945
11/18/17	*		566,877	4,208,957	79,625	206,461	11,403,049	4,775,834	77,675,529	10,770	--	9,945
11/19/17	*		567,834	4,208,957	81,481	209,710	11,408,154	4,776,791	77,686,298	10,770	--	9,945
11/20/17	Technician	5	568,635	4,208,957	83,035	212,428	11,412,426	4,777,592	77,695,310	9,012	--	9,945
11/21/17	Off line		568,635	4,208,957	83,035	212,428	11,412,426	4,777,592	77,695,310	0	--	9,945
11/22/17	Off line		568,635	4,208,957	83,035	212,428	11,412,426	4,777,592	77,695,310	0	--	9,945
11/23/17	Off line		568,635	4,208,957	83,035	212,428	11,412,426	4,777,592	77,695,310	0	--	9,945
11/24/17	Off line		568,635	4,208,957	83,035	212,428	11,412,426	4,777,592	77,695,310	0	--	9,945
11/25/17	Off line		568,635	4,208,957	83,035	212,428	11,412,426	4,777,592	77,695,310	0	--	9,945
11/26/17	Off line		568,635	4,208,957	83,035	212,428	11,412,426	4,777,592	77,695,310	0	--	9,945
11/27/17	Off line		568,635	4,208,957	83,035	212,428	11,412,426	4,777,592	77,695,310	0	--	9,945
11/28/17	Off line		568,635	4,208,957	83,035	212,428	11,412,426	4,777,592	77,695,310	0	--	9,945
11/29/17	Off line		568,635	4,208,957	83,035	212,428	11,412,426	4,777,592	77,695,310	0	--	9,945
11/30/17	Technician	6	568,635	4,208,957	83,035	212,428	11,412,426	4,777,592	77,695,310	0	--	9,945

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	November	Quarter 1, 2017	Quarter 2, 2017	Quarter 3, 2017	Quarter 4, 2017	2017 to Date	April 1996 to Date
Volume	191,625	467,663	487,446	516,961	378,993	1,851,063	77,695,310

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	November	Quarter 4 to Date	April 1996 to Date
Mass	0.11	0.22	9,945.3

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

Legend / Notes:

1 = Collected monthly process and intermediate samples for laboratory analysis.
2 = Collected quarterly and annual effluent samples for laboratory analysis.
3 = Measured residual chlorine in the field using HACH Test Kit Model CN-70.
4 = GWETS temporarily off-line to conduct system inspection and carbon change out work.
5 = GWETS manually shut down for media change out work.
6 = GWETS left off-line pending completion of media change out work.

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

GWETS = Groundwater extraction and treatment system
µg/L - Micrograms per liter

lb = Pounds
DRO = Diesel range organics

A = Hydrocarbon removal is calculated using analytical laboratory result for DRO (if not detected, half the detection limit is used) from sample collected on: 11/13/17 (laboratory report attached).
-- = Not applicable

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

TABLE 2C

Groundwater Extraction and Treatment System Operations Summary - December

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	GW-2 Totalizer Reading (gallons)	GW-13 Totalizer Reading (gallons)	GW-15 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from North-East Area (gallons)	Groundwater Extracted from North-West Area (gallons)	NPDES Discharge Totalizer Reading (gallons)	Groundwater Extracted and Treated Per Day (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed [A] (lb)
12/1/17	Off line		0	0	83,035	212,428	11,412,426	4,777,592	77,695,310	0	--	9,945
12/2/17	Off line		0	0	83,035	212,428	11,412,426	4,777,592	77,695,310	0	--	9,945
12/3/17	Off line		0	0	83,035	212,428	11,412,426	4,777,592	77,695,310	0	--	9,945
12/4/17	Technician	1,2	665	780	83,880	213,313	11,414,156	4,779,037	77,698,280	2,970	--	9,945
12/5/17	Off line		665	780	83,880	213,313	11,414,156	4,779,037	77,698,280	0	--	9,945
12/6/17	Off line		665	780	83,880	213,313	11,414,156	4,779,037	77,698,280	0	--	9,945
12/7/17	Off line		665	780	83,880	213,313	11,414,156	4,779,037	77,698,280	0	--	9,945
12/8/17	Off line		665	780	83,880	213,313	11,414,156	4,779,037	77,698,280	0	--	9,945
12/9/17	Off line		665	780	83,880	213,313	11,414,156	4,779,037	77,698,280	0	--	9,945
12/10/17	Off line		665	780	83,880	213,313	11,414,156	4,779,037	77,698,280	0	--	9,945
12/11/17	Technician	3,4,5	1,310	1,482	84,354	214,102	11,415,419	4,781,829	77,700,825	2,545	78	9,945
12/12/17	Off line		1,310	1,482	84,354	214,102	11,415,419	4,781,829	77,700,825	0	--	9,945
12/13/17	Off line		1,310	1,482	84,354	214,102	11,415,419	4,781,829	77,700,825	0	--	9,945
12/14/17	Off line		1,310	1,482	84,354	214,102	11,415,419	4,781,829	77,700,825	0	--	9,945
12/15/17	Off line		1,310	1,482	84,354	214,102	11,415,419	4,781,829	77,700,825	0	--	9,945
12/16/17	Off line		1,310	1,482	84,354	214,102	11,415,419	4,781,829	77,700,825	0	--	9,945
12/17/17	Off line		1,310	1,482	84,354	214,102	11,415,419	4,781,829	77,700,825	0	--	9,945
12/18/17	Off line		1,310	1,482	84,354	214,102	11,415,419	4,781,829	77,700,825	0	--	9,945
12/19/17	Off line		1,310	1,482	84,354	214,102	11,415,419	4,781,829	77,700,825	0	--	9,945
12/20/17	Technician	6	1,310	2,412	86,202	215,616	11,418,781	4,782,759	77,705,523	4,698	--	9,945
12/21/17	Off line		1,310	2,412	86,202	215,616	11,418,781	4,782,759	77,705,523	0	--	9,945
12/22/17	Off line		1,310	2,412	86,202	215,616	11,418,781	4,782,759	77,705,523	0	--	9,945
12/23/17	Off line		1,310	2,412	86,202	215,616	11,418,781	4,782,759	77,705,523	0	--	9,945
12/24/17	Off line		1,310	2,412	86,202	215,616	11,418,781	4,782,759	77,705,523	0	--	9,945
12/25/17	Off line		1,310	2,412	86,202	215,616	11,418,781	4,782,759	77,705,523	0	--	9,945
12/26/17	Off line		1,310	2,412	86,202	215,616	11,418,781	4,782,759	77,705,523	0	--	9,945
12/27/17	Off line		1,310	2,412	86,202	215,616	11,418,781	4,782,759	77,705,523	0	--	9,945
12/28/17	Technician	6,7	1,310	3,663	88,317	217,779	11,423,059	4,784,010	77,713,213	7,690	--	9,945
12/29/17	Off line		1,310	3,663	88,317	217,779	11,423,059	4,784,010	77,713,213	0	--	9,945
12/30/17	Off line		1,310	3,663	88,317	217,779	11,423,059	4,784,010	77,713,213	0	--	9,945
12/31/17	Off line		1,310	3,663	88,317	217,779	11,423,059	4,784,010	77,713,213	0	--	9,945

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	December	Quarter 1, 2017	Quarter 2, 2017	Quarter 3, 2017	Quarter 4, 2017	2017 to Date	April 1996 to Date
Volume	17,903	467,663	487,446	516,961	396,896	1,868,966	77,713,213

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	December	Quarter 4 to Date	April 1996 to Date
Mass	0.01	0.23	9,945.3

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

Legend / Notes:

1 = Completed media change out work and temporarily restarted GWETS to collect confirmation effluent sample followed by system shutdown pending analytical result.

2 = Collected monthly effluent sample for laboratory analysis.

3 = Installed media drums to the end of the treatment train based on recent effluent result and temporarily restarted system to flush lines in advance of scheduled resampling.

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

5 = Pump in well GW-2 disconnected and determined to require replacement.

6 = Temporarily restarted system to collect effluent sample.

7 = Completed conveyance line repair/replacement work and restarted pump in well GW-13.

8 = Replaced system bag filters (10 to 1 micron) and added another set of media drums to the end of the treatment train based on recent effluent result.

GWETS = Groundwater extraction and treatment system

µg/L - Micrograms per liter

lb = Pounds

DRO = Diesel range organics

A = Hydrocarbon removal is calculated using analytical laboratory results for DRO (if not detected, half the detection limit is used) from sample collected on: 12/11/17 (laboratory report attached).

-- = Not applicable

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

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

TABLE 3A

Soil Vapor Extraction System Operations Summary - October

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	VES Hour Meter Reading (hours)	VES Process Flow [A] (scfm)	VES Manifold Vacuum (in. Hg)	Carbon Inlet Temperature (°F)	Laboratory Process Concentration (ppmv)	Field Process Concentration [B,C] (ppmv)	Field Effluent Concentration [B,C] (ppmv)	Cumulative Vapor-Phase GRO Removed [D] (lb)
10/01/17	*		47,223	772	--	--	--	--	--	2,962,243
10/02/17	Technician		47,247	758	4	124	--	536	5.5	2,962,414
10/03/17	Technician	1	47,271	758	--	--	--	--	--	2,962,584
10/04/17	*		47,295	758	--	--	--	--	--	2,962,755
10/05/17	Technician	2	47,319	758	--	--	--	--	--	2,962,925
10/06/17	Technician	3	47,333	739	5	140	--	478	0.0	2,963,020
10/07/17	Off line		47,333	NA	--	--	--	--	--	2,963,020
10/08/17	Off line		47,333	NA	--	--	--	--	--	2,963,020
10/09/17	Technician	2	47,333	NA	--	--	--	--	--	2,963,020
10/10/17	Technician	4	47,341	739	6	130	--	411	0.2	2,963,073
10/11/17	*		47,365	739	--	--	--	--	--	2,963,239
10/12/17	Technician	1,5,6	47,384	791	4	122	367	503	0.0	2,963,346
10/13/17	Technician	7	47,408	798	4	126	--	304	0.0	2,963,454
10/14/17	*		47,432	798	--	--	--	--	--	2,963,561
10/15/17	*		47,456	798	--	--	--	--	--	2,963,669
10/16/17	Technician		47,478	800	4	138	--	373	0.0	2,963,777
10/17/17	*		47,502	800	--	--	--	--	--	2,963,885
10/18/17	Technician	8	47,517	778	4	122	--	332	2.0	2,963,951
10/19/17	Off line		47,517	NA	--	--	--	--	--	2,963,951
10/20/17	Off line		47,517	NA	--	--	--	--	--	2,963,951
10/21/17	Off line		47,517	NA	--	--	--	--	--	2,963,951
10/22/17	Off line		47,517	NA	--	--	--	--	--	2,963,951
10/23/17	Off line		47,517	NA	--	--	--	--	--	2,963,951
10/24/17	Off line		47,517	NA	--	--	--	--	--	2,963,951
10/25/17	Off line		47,517	NA	--	--	--	--	--	2,963,951
10/26/17	Off line		47,517	NA	--	--	--	--	--	2,963,951
10/27/17	Technician	4	47,527	817	4	128	--	308	0.0	2,964,000
10/28/17	*		47,551	817	--	--	--	--	--	2,964,110
10/29/17	*		47,575	817	--	--	--	--	--	2,964,220
10/30/17	Technician		47,599	804	4	114	--	310	0.8	2,964,328
10/31/17	*		47,623	804	--	--	--	--	--	2,964,437

Cumulative Mass TPHg Removed by the VES [D] (lb)			
Period	October	Quarter 4 to Date	April 1996 to Date
Mass	2,367	2,367	2,964,437

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

Legend / Notes:

1 = VES temporarily off-line to conduct carbon change out work.
2 = Collected individual well vapor sample for laboratory analysis from well RTF-18-NW as part of vacuum enhanced LNAPL recovery testing (results to be submitted under separate cover).
3 = VES manually shut down as a precautionary measure due to excessive ambient temperatures.
4 = VES restarted.
5 = Measured individual well vapor concentrations with a calibrated organic vapor analyzer.
6 = Collected monthly influent, after GAC-1, after GAC-2, and effluent samples for laboratory analysis.
7 = Opened dilution valve approximately 10% to reduce carbon usage rate.
8 = VES manually shut down for maintenance and in advance of scheduled carbon change out work.

Vapor extraction wells on line this month: HW-1, HW--7, VEW-38, VEW-39, VEW-40, RW-1, RW-9 RW-13, RW-18, RW-20, RW-22 through RW-24, RW-26, and RW-28 through RW-33

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) from sample collected on: 10/12/17 (laboratory report attached).

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

TABLE 3B

Soil Vapor Extraction System Operations Summary - November

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	VES Hour Meter Reading (hours)	VES Process Flow [A] (scfm)	VES Manifold Vacuum (in. Hg)	Carbon Inlet Temperature (°F)	Laboratory Process Concentration (ppmv)	Field Process Concentration [B,C] (ppmv)	Field Effluent Concentration [B,C] (ppmv)	Cumulative Vapor-Phase GRO Removed [D] (lb)
11/01/17	Technician	1	47,647	804	--	--	--	--	--	2,964,545
11/02/17	Technician	2,3,4	47,664	800	4	108	237	300	0.0	2,964,615
11/03/17	*		47,688	800	--	--	--	--	--	2,964,685
11/04/17	*		47,712	800	--	--	--	--	--	2,964,755
11/05/17	*		47,736	800	--	--	--	--	--	2,964,824
11/06/17	Technician		47,760	824	4	112	--	307	0	2,964,896
11/07/17	Technician	5	47,776	837	4	118	--	303	1.4	2,964,943
11/08/17	Off line		47,776	NA	--	--	--	--	--	2,964,943
11/09/17	Technician	6	47,784	804	4	108	--	268	0.0	2,964,966
11/10/17	*		47,808	804	--	--	--	--	--	2,965,036
11/11/17	*		47,832	804	--	--	--	--	--	2,965,106
11/12/17	*		47,856	804	--	--	--	--	--	2,965,176
11/13/17	Technician		47,880	827	3	114	--	327	0.0	2,965,248
11/14/17	Technician		47,903	824	3	118	--	323	0.0	2,965,320
11/15/17	*		47,927	824	--	--	--	--	--	2,965,392
11/16/17	*		47,951	824	--	--	--	--	--	2,965,464
11/17/17	*		47,975	824	--	--	--	--	--	2,965,536
11/18/17	*		47,999	824	--	--	--	--	--	2,965,608
11/19/17	Technician	7	48,010	816	4	120	--	318	3.5	2,965,640
11/20/17	Off line		48,010	NA	--	--	--	--	--	2,965,640
11/21/17	Off line		48,010	NA	--	--	--	--	--	2,965,640
11/22/17	Off line		48,010	NA	--	--	--	--	--	2,965,640
11/23/17	Off line		48,010	NA	--	--	--	--	--	2,965,640
11/24/17	Off line		48,010	NA	--	--	--	--	--	2,965,640
11/25/17	Off line		48,010	NA	--	--	--	--	--	2,965,640
11/26/17	Off line		48,010	NA	--	--	--	--	--	2,965,640
11/27/17	Technician	6	48,021	810	3	116	--	282	0.0	2,965,672
11/28/17	*		48,045	810	--	--	--	--	--	2,965,743
11/29/17	*		48,069	810	--	--	--	--	--	2,965,813
11/30/17	*		48,093	810	--	--	--	--	--	2,965,884

Cumulative Mass TPHg Removed by the VES [A] (lb)			
Period	November	Quarter 4 to Date	April 1996 to Date
Mass	1,447	3,814	2,965,884

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

Legend / Notes:

1 = VES temporarily off-line to conduct carbon change out fieldwork.
2 = Measured individual well vapor concentrations with a calibrated organic vapor analyzer.
3 = Collected monthly influent, after GAC-1, after GAC-2, and effluent samples for laboratory analysis.
4 = Collected individual well vapor samples for laboratory analysis from wells HW-1, HW-5 and HW-7.
5 = VES manually shut down in advance of carbon change out work.
6 = VES restarted.
7 = VES manually shut down for holidays and in advance of carbon change out work.

Vapor extraction wells on line this month: HW-1, HW--7, VEW-38, VEW-39, VEW-40, RW-1, RW-9 RW-13, RW-18, RW-20, RW-22 through RW-24, RW-26, and RW-28 through RW-33

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) from sample collected on: 11/2/17 (laboratory report attached).

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

TABLE 3C

Soil Vapor Extraction System Operations Summary - December

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	VES Hour Meter Reading (hours)	VES Process Flow [A] (scfm)	VES Manifold Vacuum (in. Hg)	Carbon Inlet Temperature (°F)	Laboratory Process Concentration (ppmv)	Field Process Concentration [B,C] (ppmv)	Field Effluent Concentration [B,C] (ppmv)	Cumulative Vapor-Phase GRO Removed [D] (lb)
12/01/17	Technician		48,117	791	3	114	--	252	0	2,965,953
12/02/17	*		48,141	791	--	--	--	--	--	2,966,022
12/03/17	*		48,165	791	--	--	--	--	--	2,966,091
12/04/17	*		48,189	791	--	--	--	--	--	2,966,160
12/05/17	Technician		48,211	810	3	110	--	305	0.0	2,966,231
12/06/17	Technician	1	48,228	792	--	--	--	--	--	2,966,274
12/07/17	Off line		48,228	NA	--	--	--	--	--	2,966,274
12/08/17	Technician	2	48,241	827	4	120	--	285	0.0	2,966,314
12/09/17	*		48,265	827	--	--	--	--	--	2,966,386
12/10/17	*		48,289	827	--	--	--	--	--	2,966,458
12/11/17	Technician	3,4	48,313	782	4	112	269	335	0.0	2,966,536
12/12/17	*		48,337	782	--	--	--	--	--	2,966,613
12/13/17	*		48,361	782	--	--	--	--	--	2,966,690
12/14/17	*		48,385	782	--	--	--	--	--	2,966,768
12/15/17	Technician		48,409	818	3	114	--	318	0.0	2,966,849
12/16/17	*		48,433	818	--	--	--	--	--	2,966,929
12/17/17	*		48,457	818	--	--	--	--	--	2,967,010
12/18/17	Technician		48,481	817	3	118	--	315	0.0	2,967,091
12/19/17	*		48,505	817	--	--	--	--	--	2,967,172
12/20/17	Technician		48,529	804	3	109	--	326	0	2,967,251
12/21/17	*		48,553	804	--	--	--	--	--	2,967,331
12/22/17	Technician	5	48,560	821	3	116	--	302	3	2,967,354
12/23/17	Off line		48,560	NA	--	--	--	--	--	2,967,354
12/24/17	Off line		48,560	NA	--	--	--	--	--	2,967,354
12/25/17	Off line		48,560	NA	--	--	--	--	--	2,967,354
12/26/17	Off line		48,560	NA	--	--	--	--	--	2,967,354
12/27/17	Off line		48,560	NA	--	--	--	--	--	2,967,354
12/28/17	Off line		48,560	NA	--	--	--	--	--	2,967,354
12/29/17	Off line		48,560	NA	--	--	--	--	--	2,967,354
12/30/17	Off line		48,560	NA	--	--	--	--	--	2,967,354
12/31/17	Off line		48,560	NA	--	--	--	--	--	2,967,354

Cumulative Mass TPHg Removed by the VES [A] (lb)			
Period	December	Quarter 4 to Date	April 1996 to Date
Mass	1,470	5,284	2,967,354

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

Legend / Notes:

1 = VES manually shut down in advance of carbon change out work.
2 = VES restarted following completion of carbon change out work.
3 = Measured individual well vapor concentrations with a calibrated organic vapor analyzer.
4 = Collected monthly influent, after GAC-1, after GAC-2, and effluent samples for laboratory analysis.
5 = VES manually shut down for holidays and in advance of carbon change out work.

Vapor extraction wells on line this month: HW-1, HW--7, VEW-38, VEW-39, VEW-40, RW-1, RW-9 RW-13, RW-18, RW-20, RW-22 through RW-24, RW-26, and RW-28 through RW-33

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

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

A = Reading from chart recorder.
B = Concentrations obtained with a calibrated organic vapor analyzer.
C = Concentrations correlated to laboratory data and expressed as hexane.
D = Hydrocarbon removal is calculated using analytical laboratory results for GRO (if not detected, half the detection limit is used) from sample collected on: 12/11/17 (laboratory report attached).

-- = Not applicable or not measured

TABLE 4A
Summary of LNAPL Removal in Well GMW-18 - 4th Quarter 2017
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)
10/06/17	33.41	35.38	1.97	1.5	No Sock in Well	No Sock in Well	19.8	135.3
10/12/17	33.13	33.65	0.52	0.5	No Sock in Well	No Sock in Well	20.3	138.7
10/20/17	33.36	34.73	1.37	1.0	No Sock in Well	No Sock in Well	21.3	145.6
10/25/17	33.64	34.20	0.56	0.5	No Sock in Well	No Sock in Well	21.8	149.0
11/01/17	33.83	34.22	0.39	0.3	No Sock in Well	No Sock in Well	22.0	150.7
11/08/17	33.28	33.53	0.25	0.1	No Sock in Well	No Sock in Well	22.1	151.4
12/06/17	33.29	33.68	0.39	0.0	3.8	0.5	22.7	155.1
12/13/17	33.30	33.81	0.51	0.5	No Sock in Well	No Sock in Well	23.2	158.5
12/20/17	33.17	34.19	1.02	0.8	No Sock in Well	No Sock in Well	23.9	163.7
12/27/17	33.22	34.32	1.10	1.0	No Sock in Well	No Sock in Well	24.9	170.5

Cumulative for the Reporting Period:	**6.1**	**3.8**	**0.5**	**6.6**	**45.5**
Cumulative Beginning March 2017 [A]:	**13.9**	**75.8**	**11.1**	**24.9**	**170.5**

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

TABLE 4B
Summary of LNAPL Removal in Well GMW-68 - 3rd Quarter 2017
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)
10/06/17	33.32	33.52	0.20	0.0	3.8	0.5	46.9	321.0
10/20/17	33.53	33.84	0.31	0.0	3.8	0.5	47.5	324.7
10/25/17	33.68	33.75	0.07	0.0	3.8	0.5	48.0	328.5
11/01/17	--	33.82	--	0.0	2.8	0.4	48.4	331.2
11/08/17	--	33.71	--	0.0	2.3	0.3	48.7	333.5
11/22/17	33.68	33.77	0.09	0.0	3.8	0.5	49.3	337.2
12/01/17	33.51	33.60	0.09	0.0	3.3	0.5	49.8	340.5
12/06/18	33.65	33.68	0.03	0.0	3.3	0.5	50.2	343.7
12/13/17	--	33.63	--	0.0	2.8	0.4	50.6	346.5
12/20/17	33.64	33.66	0.02	0.0	3.3	0.5	51.1	349.7
12/27/17	33.61	33.69	0.08	0.0	2.8	0.4	51.5	352.5

Cumulative for the Reporting Period:	**0.0**	**35.3**	**5.2**	**5.2**	**35.2**
Cumulative Beginning October 2016 [A]:	**33.5**	**127.0**	**18.6**	**51.5**	**352.5**

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 2016 following installation of well during July 2015 (no measureable product from July 2015 through February 2017).

TABLE 4C
Summary of LNAPL Removal in Well TF-15 - 4th Quarter 2017
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)
10/25/17	34.54	34.65	0.11	0.0	3.3	0.5	54.2	370.7
11/01/17	34.60	35.14	0.54	0.0	3.3	0.5	54.6	373.9
11/08/17	33.74	34.56	0.82	0.5	3.8	0.5	55.7	381.1
11/22/17	33.48	35.43	1.95	2.3	No Sock in Well	NA	58.0	396.9
12/01/17	33.38	34.17	0.79	1.0	No Sock in Well	NA	59.0	403.7
12/13/17	33.50	33.86	0.36	0.3	No Sock in Well	NA	59.2	405.4
12/20/17	33.84	33.88	0.04	0.0	2.3	0.3	59.6	407.7
12/27/17	--	32.49	0.00	0.0	2.8	0.4	60.0	410.4

Cumulative for the Reporting Period:	**4.1**	**15.3**	**2.2**	**6.3**	**43.0**
Cumulative Beginning October 2016 [A]:	**53.8**	**42.3**	**6.2**	**60.0**	**410.4**

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 2016. No LNAPL removed previously during 2016 or throughout 2015 due to recently completed excavaton project 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.

TABLE 4D
Summary of LNAPL Removal in Well TF-19 - 4th Quarter 2017
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)
10/25/17	--	32.88	--	0.0	2.3	0.3	28.9	197.7
11/22/17	--	32.82	--	0.0	1.3	0.2	29.1	198.9
Cumulative for the Reporting Period:				**0.0**	**3.5**	**0.5**	**0.5**	**3.5**
Cumulative Beginning June 2015 [A]:				**6.8**	**152.8**	**22.3**	**29.1**	**198.9**

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 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 4E
Summary of LNAPL Removal in Well TF-16 - 4th Quarter 2017
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)
10/06/17	34.45	34.77	0.32	4.0	No Sock in Well	0.0	218.5	1,495.1
10/10/17	34.18	34.82	0.64	2.0	No Sock in Well	0.0	220.5	1,508.8
10/25/17	34.32	35.27	0.95	4.0	No Sock in Well	0.0	224.5	1,536.1
11/01/17	34.69	34.81	0.12	3.0	No Sock in Well	0.0	227.5	1,556.7
11/07/17	34.21	34.66	0.45	3.0	No Sock in Well	0.0	230.5	1,577.2
11/22/17	34.07	35.08	1.01	6.0	No Sock in Well	0.0	236.5	1,618.2
11/30/17	34.11	34.68	0.57	4.0	No Sock in Well	0.0	240.5	1,645.6
12/06/17	33.87	34.77	0.90	3.0	No Sock in Well	0.0	243.5	1,666.1
12/13/17	33.98	34.74	0.76	4.0	No Sock in Well	0.0	247.5	1,693.5
12/21/17	34.03	34.75	0.72	5.0	No Sock in Well	0.0	252.5	1,727.7
12/27/17	34.12	34.38	0.26	3.0	No Sock in Well	0.0	255.5	1,748.3
12/31/17	--	--	--	2.0	No Sock in Well	0.0	257.5	1,762.0
Cumulative for the Reporting Period:				**43.0**	**0.0**	**0.0**	**43.0**	**294.3**
Cumulative Beginning October 2016 [A]:				**252.3**	**35.8**	**5.2**	**257.5**	**1,762.0**

Legend / Notes:

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

A = Cumulative LNAPL removed since October 2016. No LNAPL removed previously during 2016 or throughout 2015 due to recently completed excavaton project 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).

TABLE 4F
Summary of LNAPL Removal in Well TF-18 - 4th Quarter 2017
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)
10/05/17	31.69	33.78	2.09	4.0	0	0.0	1,994.0	13,645.3
10/10/17	31.71	31.96	0.25	2.0	0	0.0	1,996.0	13,659.0
10/25/17	31.78	33.96	2.18	6.0	0	0.0	2,002.0	13,700.0
11/01/17	31.92	34.05	2.13	3.0	0	0.0	2,005.0	13,720.6
11/07/17	31.72	33.20	1.48	4.0	0	0.0	2,009.0	13,747.9
11/14/17	31.82	34.03	2.21	4.0	0	0.0	2,013.0	13,775.3
11/22/17	31.78	32.51	0.73	5.0	0	0.0	2,018.0	13,809.5
11/30/17	31.61	32.14	0.53	3.0	0	0.0	2,021.0	13,830.1
12/06/17	31.47	32.08	0.61	3.0	0	0.0	2,024.0	13,850.6
12/13/17	31.54	32.40	0.86	3.0	0	0.0	2,027.0	13,871.1
12/20/17	31.58	32.48	0.90	3.0	0	0.0	2,030.0	13,891.7
12/27/17	31.61	32.65	1.04	2.0	0	0.0	2,032.0	13,905.3
12/31/17	--	--	--	1.0	0	0.0	2,033.0	13,912.2

Cumulative for the Reporting Period:	**43.0**	**0.0**	**0.0**	**43.0**	**294.3**
Cumulative Beginning January 2014 - July 2016 [A]:	**266.1**	**307.3**	**44.9**	**311.0**	**2,128.1**
Cumulative Beginning August 2016 - December 2017 [B]:	**1,722.0**	**0.0**	**0.0**	**1,722.0**	**11,784.0**
Cumulative Beginning January 2014 [A]:	**1,988.1**	**307.3**	**44.9**	**2,033.0**	**13,912.2**

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 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 (system includes a total of four skimmers with skimming initially isolated to well TF-18).

* = 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 which occurred during the prior reporting period (i.e., pumping resumed on August 10, 2017).

TABLE 4G
Summary of LNAPL Removal in Well RTF-18-N - 4th Quarter 2017
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)
10/25/17	32.23	32.45	0.22	3.0	0	0.0	315.5	2,159.0
11/07/17	32.11	32.32	0.21	2.0	0	0.0	317.5	2,172.7
11/22/17	31.95	32.42	0.47	2.0	0	0.0	319.5	2,186.4
11/30/17	31.82	31.87	0.05	0.5	0	0.0	320.0	2,189.8

Cumulative for the Reporting Period:	**7.5**	**0.0**	**0.0**	**7.5**	**51.3**
Cumulative Beginning April 2016 - July 2016 [A]:	**47.5**	**0.0**	**0.0**	**47.5**	**325.1**
Cumulative Beginning August 2016 - December 2017 [B]:	**272.5**	**0.0**	**0.0**	**272.5**	**1,864.8**
Cumulative Beginning April 2016 [A]:	**320.0**	**0.0**	**0.0**	**320.0**	**2,189.8**

Legend / Notes:

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

A = Cumulative LNAPL removed since 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 (system includes a total of four skimmers with skimming from well RTF-18-N initiated on August 11, 2016).

* = Well RTF-18-N has been off-line since September 14, 2016 to allow for LNAPL recovery which occurred during the current reporting period (i.e., pumping resumed from October 10, 2017 to November 30, 2017 at which point the yield was again insufficient to allow for continued pumping).

TABLE 4H
Summary of LNAPL Removal in Well RTF-18-E - 4th Quarter 2017
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)
10/05/17	32.15	34.14	1.99	2.0	0	0.0	597.5	4,088.8
10/10/17	31.97	33.04	1.07	2.0	0	0.0	599.5	4,102.5
10/25/17	32.55	33.02	0.47	3.0	0	0.0	602.5	4,123.0
11/01/17	32.72	32.94	0.22	2.0	0	0.0	604.5	4,136.7
11/07/17	32.32	32.98	0.66	1.0	0	0.0	605.5	4,143.6
11/22/17	32.26	33.02	0.76	3.0	0	0.0	608.5	4,164.1
11/30/17	32.06	32.62	0.56	2.0	0	0.0	610.5	4,177.8
12/06/17	31.89	32.78	0.89	2.0	0	0.0	612.5	4,191.5
12/13/17	31.99	32.90	0.91	2.0	0	0.0	614.5	4,205.2
12/21/17	32.03	32.93	0.90	2.0	0	0.0	616.5	4,218.9
12/27/17	32.08	32.95	0.87	2.0	0	0.0	618.5	4,232.5
12/31/17	--	--	--	1.0	0	0.0	619.5	4,239.4

Cumulative for the Reporting Period:	**24.0**	**0.0**	**0.0**	**24.0**	**164.2**
Cumulative Beginning May 2016 - July 2016 [A]:	**47.5**	**0.0**	**0.0**	**47.5**	**325.1**
Cumulative Beginning August 2016 - December 2017 [B]:	**572.0**	**0.0**	**0.0**	**572.0**	**3,914.3**
Cumulative Beginning May 2016 [A]:	**619.5**	**0.0**	**0.0**	**619.5**	**4,239.4**

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 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 (system includes a total of four skimmers with skimming from well RTF-18-E initiated on August 11, 2016).

* = Well RTF-18-E has been off-line since February 15, 2017 to allow for LNAPL recovery which occurred during the current reporting period (i.e., pumping resumed on October 4, 2017).

TABLE 4I
Summary of LNAPL Removal in Well RTF-18-W - 4th Quarter 2017
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)
10/25/17	32.33	34.39	2.06	4.0	0	0.0	84.8	580.0
11/01/17	32.46	34.45	1.99	3.0	0	0.0	87.8	600.5
11/07/17	32.38	33.41	1.03	2.0	0	0.0	89.8	614.2
11/22/17	32.27	32.94	0.67	3.0	0	0.0	92.8	634.7
11/30/17	32.11	32.57	0.46	2.0	0	0.0	94.8	648.4
12/06/17	31.98	32.45	0.47	2.0	0	0.0	96.8	662.1
12/13/17	32.07	32.82	0.75	2.0	0	0.0	98.8	675.8
12/21/17	32.10	32.92	0.82	3.0	0	0.0	101.8	696.3
12/27/17	32.12	33.13	1.01	2.0	0	0.0	103.8	710.0
12/31/17	--	--	--	1.0	0	0.0	104.8	716.8

Cumulative for the Reporting Period:	**24.0**	**0.0**	**0.0**	**24.0**	**164.2**
Cumulative Beginning April 2016 - July 2016 [A]:	**38.8**	**0.0**	**0.0**	**38.8**	**265.2**
Cumulative Beginning August 2016 - December 2017 [B]:	**66.0**	**0.0**	**0.0**	**66.0**	**451.7**
Cumulative Beginning April 2016 [A]:	**104.8**	**0.0**	**0.0**	**104.8**	**716.8**

Legend / Notes:

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

A = Cumulative LNAPL removed since 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 (system includes a total of four skimmers with skimming from well RTF-18-W initiated on September 14, 2016).

* = Well RTF-18-W has been off-line since December 9, 2016 to allow for LNAPL recovery which occurred during the current reporting period (i.e., pumping resumed on October 10, 2017).

TABLE 4J
Summary of LNAPL Removal in Well RTF-18-NW - 4th Quarter 2017
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)
10/05/17	31.84	33.73	1.89	4.0	0	0.0	2,597.5	17,775.3
10/10/17	31.22	32.80	1.58	3.0	0	0.0	2,600.5	17,795.8
10/25/17	31.98	33.82	1.84	6.0	0	0.0	2,606.5	17,836.9
11/01/17	32.08	34.01	1.93	4.0	0	0.0	2,610.5	17,864.3
11/07/17	31.82	33.22	1.40	3.0	0	0.0	2,613.5	17,884.8
11/22/17	31.83	32.85	1.02	8.0	0	0.0	2,621.5	17,939.5
11/30/17	31.71	32.33	0.62	5.0	0	0.0	2,626.5	17,973.7
12/06/17	31.60	32.12	0.52	4.0	0	0.0	2,630.5	18,001.1
12/13/17	31.68	32.45	0.77	4.0	0	0.0	2,634.5	18,028.5
12/21/17	31.72	32.55	0.83	5.0	0	0.0	2,639.5	18,062.7
12/27/17	31.73	32.74	1.01	4.0	0	0.0	2,643.5	18,090.1
12/31/17	--	--	--	2.0	0	0.0	2,645.5	18,103.8

Cumulative for the Reporting Period:	**52.0**	**0.0**	**0.0**	**52.0**	**355.8**
Cumulative Beginning May 2016 - July 2016 [A]:	**76.5**	**0.0**	**0.0**	**76.5**	**523.5**
Cumulative Beginning August 2016 - December 2017 [B]:	**2,569.0**	**0.0**	**0.0**	**2,569.0**	**17,580.3**
Cumulative Beginning May 2016 [A]:	**2,645.5**	**0.0**	**0.0**	**2,645.5**	**18,103.8**

Legend / Notes:

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

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

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

* = Well RTF-18-NW was off-line since February 15, 2017 to allow for LNAPL recovery which occurred during the prior reporting period (i.e., pumping resumed on August 10, 2017).

TABLE 4K
Summary of LNAPL Removal in Well RTF-18-NNW - 4th Quarter 2017
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (pounds)	LNAPL Removed with Socks (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
--	No Pumping/Skimming from Product Recovery System Well During 4th Quarter 2017							

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 - September 2017 [B]:	**48.5**	**0.0**	**0.0**	**48.5**	**331.9**
Cumulative Beginning April 2016 [A]:	**103.0**	**0.0**	**0.0**	**103.0**	**704.9**

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 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 (system includes a total of four skimmers with skimming from well RTF-18-NNW initiated on September 14, 2016).

* = 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 has yet to occur (i.e., thickness decreased from January 2017 to March 2017 with no measureable product from early March 2017 through mid-September 2017, and less than 0.3 foot at the end of the current reporting period).

TABLE 5

Historical Summary of Analytical Sampling Results - Influent Groundwater

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

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

TABLE 5
Historical Summary of Analytical Sampling Results - Influent Groundwater
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)
06/15/12		--	--	--	--	**39**	**13**	**17**	**88**	**26**	<10	**1.3**	**0.52**	<2.0	<2.0
08/31/12		--	--	**820**	**940**	--	--	--	--	--	--	--	--	--	--
09/27/12		--	--	**5,300**	**3,800**	--	--	--	--	--	--	--	--	--	--
10/23/12		--	--	--	--	**67**	**60**	**110**	**460**	**140**	<10	<0.50	<2.0	<2.0	<2.0
01/31/13		--	--	**3,600**	--	--	--	--	--	--	--	--	--	--	--
05/01/13		--	--	**6,300**	**5,500**	**20**	**4.7**	**8.0**	**41**	**14**	**4.8**	**0.56**	<2.0	<2.0	<2.0
07/12/13		--	--	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<2.0	<2.0	<2.0
08/20/13		--	--	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<2.0	<2.0	<2.0
12/19/13		--	--	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<2.0	<2.0	<2.0
02/07/14		--	--	**1,500**	**2,300**	--	--	--	--	--	--	--	--	--	--
03/21/14		--	--	--	--	**61**	**5.1**	**23**	**150**	**45**	<10	**0.87**	<2.0	<2.0	<2.0
05/29/14	1	--	8015M & 8260B	--	--	**29**	**1.0**	**30**	**180**	**45**	<10	**1.0**	<2.0	<2.0	<2.0
07/09/14	2	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**720**	**1,800**	**82**	**3.8**	**27**	**110**	**31**	<7.0	<0.40	<0.50	<0.40	<0.30
08/13/14		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**150**	**1,500**	**57**	**3.7**	**30**	**130**	**36**	<7.0	**0.77**	<0.50	<0.40	<0.30
09/17/14		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**800**	**3,500**	**23**	**0.73**	**20**	**170**	**40**	<7.0	**0.83**	<0.50	<0.40	<0.30
10/20/14		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**560**	**3,600**	**31**	**2.2**	**40**	**240**	**54**	<7.0	**0.6**	<0.50	<0.40	<0.30
11/17/14	3,4	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**260**	**1,400**	**21**	**0.71**	**10**	**62**	**18**	<7.0	<0.40	<0.50	<0.40	<0.30
12/17/14	4	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**190**	**880**	**23**	**0.66**	**8.8**	**48**	**14**	<7.0	<0.40	<0.50	<0.40	<0.30
01/14/15	1,2	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**4,600**	**3,800**	**150**	**2.8**	**29**	**130**	**37**	<7.0	<0.40	<0.50	<0.40	<0.30
02/20/15	2,4	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**2,500**	**8,100**	**230**	**9.8**	**220**	**880**	**220**	<7.0	**0.45**	<0.50	<0.40	<0.30
03/27/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**620**	**980**	**9.9**	<0.30	**2.7**	**18**	**5.9**	<7.0	**1.0**	<0.50	<0.40	<0.30
05/11/15	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	**330**	**16**	**5.2**	**5.9**	**37**	**14**	<7.0	**0.58 J**	<0.50	<0.40	<0.30
06/03/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**150**	**340**	**20**	**6.6**	**12**	**22**	**25**	<7.0	**0.52 J**	<0.50	<0.40	<0.30
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

TABLE 5

Historical Summary of Analytical Sampling Results - Influent Groundwater

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)
03/14/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**270**	**1,100**	**0.91**	<0.30	<0.20	**1.6**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
04/04/16	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**76 J**	**100**	**0.99**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
05/04/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**170**	**470**	<0.20	<0.30	<0.20	**1.3**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
06/01/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**280**	**75 J**	**4.9**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.43 J**	<0.50	<0.40	<0.30
07/11/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**330**	<40	**4.7**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.79 J**	<0.50	<0.40	<0.30
08/01/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**3.7**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
09/01/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**2.7**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
10/12/16	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**230**	<40	**4.5**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
11/01/16	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**120**	**52 J**	**3.1**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
12/05/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**450**	**51 J**	<0.20	<0.30	<0.20	<0.40	<0.30	<7.0	**0.60 J**	<0.50	<0.40	<0.30
01/09/17		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**150**	<40	**4.4**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.58 J**	<0.50	<0.40	<0.30
02/06/17	6	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**110**	<40	**3.5**	<0.30	**0.41 J**	**0.60 J**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
03/15/17	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**68 J**	<40	**4.3**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.60 J**	<0.50	<0.40	<0.30
04/05/17	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**74 J**	<40	**8.4**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
05/03/17		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**72 J**	<40	**4.3**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
06/05/17		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**62 J**	<40	**5.0**	<0.30	<0.20	**0.50 J**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
07/19/17	5	GW-2, GW-15, GW-16	8015M & 8260B	**75 J**	<40	**3.4**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
08/02/17		GW-2, GW-15, GW-16	8015M & 8260B	**80 J**	<40	**4.0**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.88 J**	<0.50	<0.40	<0.30
09/13/17		GW-2, GW-15, GW-16	8015M & 8260B	**84 J**	<40	<0.20	<0.30	<0.20	<0.40	<0.30	<7.0	**0.69 J**	<0.50	<0.40	<0.30
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

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 07/09/14, 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.

1 = GWETS manually shut down.
2 = GWETS restarted on 07/02/14, 01/13/15 and 02/25/15.
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 04/13/15, 05/06/15, 04/04/16, 09/26/16, 11/07/16, 03/08/17, 04/17/17 and 07/03/17, and restarted on 04/27/15, 05/08/15, 04/28/16, 10/12/16, 11/23/16, 03/15/17, 04/25/17 and 07/17/17, respectively.
6 = GWETS restarted following an automatic shut down on 02/04/17.
7 = GWETS manually shut down on 11/20/17 and largely remained off-line through December 2017 with the exception of a few individual operational days to collect system removal performance samples following the completion of media change out and/or system modification work.

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

Sample Date	Notes	VES Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		GRO as Hexane		Benzene		Toluene		Ethylbenzene		o-Xylene		m,p-Xylenes		Total Xylenes		MTBE	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
04/29/11		--	TO-3 & 8260B	--	--	--	**17**	**60**	**0.021**	**0.067**	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
05/27/11		--	TO-3 & 8260B	--	--	--	**13**	**46**	**0.021**	**0.067**	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
06/30/11		--	TO-3 & 8260B	--	--	--	**11**	**39**	**0.018**	**0.057**	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
07/27/11		--	TO-3 & 8260B	--	--	--	**8.6**	**31**	**0.013**	**0.042**	<0.0050	<0.019	**0.012**	**0.052**	--	--	--	--	**0.013**	**0.056**	<0.010	<0.036
08/26/11		--	TO-3 & 8260B	--	--	--	**7.8**	**28**	**0.012**	**0.038**	<0.0050	<0.019	**0.020**	**0.087**	--	--	--	--	**0.0264**	**0.115**	<0.010	<0.036
09/30/11		--	TO-3 & 8260B	--	--	--	**6.9**	**25**	**0.012**	**0.038**	<0.0050	<0.019	**0.011**	**0.048**	--	--	--	--	**0.011**	**0.048**	<0.010	<0.036
10/28/11		--	TO-3 & 8260B	--	--	--	**5.4**	**19**	**0.011**	**0.035**	<0.0050	<0.019	**0.015**	**0.065**	--	--	--	--	**0.028**	**0.12**	<0.010	<0.036
11/30/11		--	TO-3 & 8260B	--	--	--	**8.5**	**30**	**0.012**	**0.038**	<0.0050	<0.019	**0.0067**	**0.029**	--	--	--	--	**0.010**	**0.043**	<0.010	<0.036
12/28/11		--	TO-3 & 8260B	--	--	--	**8.6**	**31**	**0.024**	**0.077**	**0.0075**	**0.028**	**0.0096**	**0.042**	--	--	--	--	**0.022**	**0.095**	<0.010	<0.036
01/26/12		--	TO-3 & 8260B	--	--	--	**3.7**	**13**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
02/24/12		--	TO-3 & 8260B	--	--	--	**4.6**	**16**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
03/28/12		--	TO-3 & 8260B	--	--	--	**4.1**	**15**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
04/27/12		--	TO-3 & 8260B	--	--	--	**3.6**	**13**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
05/31/12		--	TO-3 & 8260B	--	--	--	**6.5**	**23**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
06/28/12		--	TO-3 & 8260B	--	--	--	**5.3**	**19**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
07/26/12		--	TO-3 & 8260B	4.1	--	--	**4.1**	**15**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
08/31/12		--	TO-3 & 8260B	1.5	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
09/27/12		--	TO-3 & 8260B	1.5	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
10/30/12		--	TO-3 & 8260B	1.5	--	--	**6.1**	**22**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
11/26/12		--	TO-3 & 8260B	4.2	--	--	**4.2**	**15**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
12/19/12		--	TO-3 & 8260B	3.2	--	--	**3.2**	**11**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
01/31/13		--	TO-3 & 8260B	4.6	--	--	**4.6**	**16**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/27/13		--	TO-3 & 8260B	4.5	--	--	**4.5**	**16**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
03/28/13		--	TO-3 & 8260B	6.7	--	--	**6.7**	**24**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
04/22/13		--	TO-3 & 8260B	5.4	--	--	**5.4**	**19**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
07/29/13		--	TO-3 & 8260B	1.5	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
08/12/13		--	TO-3 & 8260B	--	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
10/30/13		--	TO-3 & 8260B	3.0	--	--	**3.0**	**11**	**0.014**	**0.045**	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
11/27/13		--	TO-3 & 8260B	1.5	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	**0.015**	**0.065**	<0.010	<0.036
12/19/13		--	TO-3 & 8260B	1.5	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
03/21/14		--	TO-3 & 8260B	1.5	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	<0.0050	<0.022	<0.010	<0.043	<0.015	<0.065	<0.010	<0.036
04/23/14		VEW-32, VEW-33, VEW-34, VEW-35, VEW-36 VEW-37, HW-1, HW-3, HW-5, HW-7	TO-3 & 8260B	1.9	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	<0.0050	<0.022	<0.010	<0.043	<0.015	<0.065	<0.010	<0.036
05/16/14	1	VEW-32, VEW-33, VEW-34, VEW-35, VEW-36 VEW-37, HW-1, HW-3, HW-5, HW-7	TO-3 & 8260B	1.1	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	<0.0050	<0.022	<0.010	<0.043	<0.015	<0.065	<0.010	<0.036
07/09/14	2	VEW-32, VEW-33, VEW-34, VEW-35, VEW-36 VEW-37, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	24	**6.1**	**25**	**7.0**	**25**	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
08/13/14		VEW-32, VEW-33, VEW-34, VEW-35, VEW-36 VEW-37, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	27	**7.3**	**30**	**8.4**	**30**	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0

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

Sample Date	Notes	VES Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		GRO as Hexane		Benzene		Toluene		Ethylbenzene		o-Xylene		m,p-Xylenes		Total Xylenes		MTBE	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
09/17/14	3	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	5.6	<4.9	<20	<5.6	<20	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
10/23/14	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	1.2	<4.9	<20	<5.6	<20	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
11/17/14	5	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	1.3	<4.9	<20	<5.6	<20	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
12/17/14		VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	0.5	<4.9	<20	<5.6	<20	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
01/14/15		VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	1.5	<4.9	<20	<5.6	<20	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
02/20/15		VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	1.5	<4.9	<20	<5.6	<20	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
03/27/15		VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	3.4	<4.9	<20	<5.6	<20	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
04/27/15	6	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	132	**140**	**580**	**160**	**580**	**0.63**	**2.0**	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	**0.23**	**1.0**	**0.23**	**1.0**	<0.6	<2.0
05/29/15	6,7	--	8015M & 8260M	103	**83**	**340**	**97**	**340**	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
06/03/15	6,8	VEW-32, VEW-33, VEW-34	8015M & 8260M	47	**32**	**130**	**37**	**130**	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
07/09/15	6	VEW-32, VEW-33, VEW-34	8015M & 8260M	162	**150**	**600**	**170**	**600**	<0.16	<0.50	**0.15**	**0.58**	<0.12	<0.50	**0.67**	**2.9**	**0.71**	**3.1**	**1.38**	**6.0**	<0.55	<2.0
07/15/15	6,9	VEW-32, VEW-33, VEW-34	8015M & 8260M	147	**170**	**700**	**200**	**700**	<0.16	<0.50	**0.53**	**2.0**	**0.18**	**0.78**	**0.99**	**4.3**	**1.5**	**6.3**	**2.49**	**10.6**	<0.55	<2.0
07/21/15	6,9	VEW-32, VEW-33, VEW-34	8015M & 8260M	259	**160**	**640**	**180**	**640**	<0.16	<0.50	**0.25**	**0.94**	<0.12	<0.50	**0.71**	**3.1**	**0.62**	**2.7**	**1.33**	**5.8**	<0.55	<2.0
07/29/15	6,9	VEW-32, VEW-33, VEW-34	8015M & 8260M	129	**170**	**710**	**200**	**710**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	**0.32**	**1.4**	**0.25**	**1.1**	**0.57**	**2.5**	<0.55	<2.0
08/17/15	6,10	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5	8015M & 8260M	135	**130**	**550**	**160**	**550**	**0.75**	**2.4**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	**0.28**	**1.2**	**0.28**	**1.2**	<0.55	<2.0
09/09/15	6,11	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	202	**190**	**760**	**220**	**760**	**0.30**	**0.95**	**0.74**	**2.8**	**0.76**	**3.3**	**0.69**	**3.0**	**2.5**	**11**	**3.19**	**14**	<0.55	<2.0
09/22/15	6,9	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	225	**150**	**600**	**170**	**600**	**0.27**	**0.85**	**0.37**	**1.4**	<0.12	<0.50	**0.71**	**3.1**	**0.58**	**2.5**	**1.29**	**5.6**	<0.55	<2.0
09/25/15	6,9	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	258	**220**	**890**	**250**	**890**	**0.41**	**1.3**	**0.64**	**2.4**	**0.17**	**0.75**	**0.74**	**3.2**	**0.85**	**3.7**	**1.59**	**6.9**	<0.55	<2.0
10/07/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	256	**230**	**940**	**270**	**940**	**0.69**	**2.2**	**0.82**	**3.1**	**0.22**	**0.97**	**0.41**	**1.8**	**1.1**	**4.6**	**1.51**	**6.4**	<0.55	<2.0
11/04/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	380	**290**	**1,200**	**340**	**1,200**	**0.88**	**2.8**	**1.6**	**5.9**	**0.25**	**1.1**	**1.4**	**6.2**	**2.1**	**9.0**	**3.5**	**15**	<0.55	<2.0
12/07/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	346	**320**	**1,300**	**370**	**1,300**	**0.69**	**2.2**	**1.9**	**7.0**	**0.15**	**0.64**	**0.76**	**3.3**	**0.94**	**4.1**	**1.7**	**7.4**	<0.55	<2.0
01/13/16	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	141	**110**	**470**	**130**	**470**	**0.16**	**0.52**	**0.29**	**1.1**	<0.12	<0.50	**0.22**	**0.95**	**0.30**	**1.3**	**0.52**	**2.3**	<0.55	<2.0
02/10/16	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	124	**98**	**400**	**110**	**400**	**0.59**	**1.9**	**0.66**	**2.5**	**0.23**	**1.0**	**0.39**	**1.7**	**0.6**	**2.6**	**0.99**	**4.3**	<0.55	<2.0
03/02/16	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	92	**54**	**220**	**63**	**220**	<0.16	<0.50	**0.25**	**0.93**	<0.12	<0.50	**0.14**	**0.62**	<0.23	<1.0	**0.14**	**0.62**	<0.55	<2.0
04/06/16	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	124	**120**	**490**	**140**	**490**	**0.38**	**1.2**	**0.29**	**1.1**	<0.12	<0.50	**0.17**	**0.72**	<0.23	<1.0	**0.17**	**0.72**	<0.55	<2.0
05/04/16	6,7	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	107	**100**	**410**	**120**	**410**	**0.31**	**1.0**	**0.20**	**0.77**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
06/06/16	6,12	VEW-32, VEW-33, HW-1, HW-3, HW-5	8015M & 8260M	73	**59**	**240**	**68**	**240**	**0.59**	**1.9**	**0.50**	**1.9**	<0.12	<0.50	**0.41**	**1.8**	**0.51**	**2.2**	**0.92**	**4.0**	<0.55	<2.0
07/06/16	6,13	HW-1, HW-3, HW-5	8015M & 8260M	49	**37**	**150**	**43**	**150**	**0.41**	**1.3**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
09/01/16	6,13	HW-1, HW-3, HW-5	8015M & 8260M	46	**18**	**75**	**21**	**75**	**0.41**	**1.3**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
10/12/16	6,13,14	HW-1, HW-3, HW-5	8015M & 8260M	43	**19**	**79**	**22**	**79**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
11/01/16	6,13	HW-1, HW-3, HW-5, HW-7	8015M & 8260M	114	**81**	**330**	**94**	**330**	**0.53**	**1.7**	**0.23**	**0.86**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
12/05/16	6,13	HW-1, HW-3, HW-5, HW-7	8015M & 8260M	96	**86**	**350**	**100**	**350**	**0.31**	**1.0**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
01/09/17	6,13	HW-1, HW-3, HW-5, HW-7	8015M & 8260M	86	**68**	**280**	**80**	**280**	**0.63**	**2.0**	**0.24**	**0.89**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
02/06/17	6,13	HW-1, HW-3, HW-5, HW-7	8015M & 8260M	93	**66**	**270**	**77**	**270**	**0.44**	**1.4**	**0.19**	**0.72**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
03/15/17	6,13	HW-1, HW-3, HW-5, HW-7	8015M & 8260M	96	**76**	**310**	**88**	**310**	**0.53**	**1.7**	**0.24**	**0.9**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0

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

Sample Date	Notes	VES Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		GRO as Hexane		Benzene		Toluene		Ethylbenzene		o-Xylene		m,p-Xylenes		Total Xylenes		MTBE	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
03/27/17	15,16	HW-1, HW-3, HW-5, HW-7	8015M & 8260M	193	**150**	**600**	**170**	**600**	**0.91**	**2.9**	**0.42**	**1.6**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
04/17/17	15	HW-1, HW-3, HW-5, HW-7	8015M & 8260M	138	**150**	**610**	**170**	**610**	**1.1**	**3.5**	**0.53**	**2.0**	<0.12	<0.50	<0.12	<0.50	**0.23**	**1.0**	**0.23**	**1.0**	<0.55	<2.0
05/03/17	15	HW-1, HW-3, HW-5, HW-7	8015M & 8260M	141	**120**	**510**	**140**	**510**	**0.69**	**2.2**	**0.58**	**2.2**	**0.12**	**0.51**	<0.12	<0.50	**0.35**	**1.5**	**0.35**	**1.5**	<0.55	<2.0
06/05/17	15	HW-1, HW-3, HW-5	8015M & 8260M	136	**110**	**430**	**120**	**430**	**0.81**	**2.6**	**0.40**	**1.5**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
06/27/17	15,17	HW-1, HW-3, HW-5, VEW-38, VEW-39, VEW-40	8015M & 8260M	--	**140**	**560**	**160**	**560**	**0.38**	**1.2**	**0.20**	**0.75**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
07/19/17		HW-5, HW-7 and VEW-39	8015M & 8260M	199	**120**	**500**	**140**	**500**	**0.75**	**2.4**	**0.45**	**1.7**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.35	<1.5	<0.55	<2.0
08/09/17	18,19	HW-1, HW-5, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	8015M & 8260M	695	**560**	**2,300**	**650**	**2,300**	**0.69**	**2.2**	**0.29**	**1.1**	**0.53**	**2.3**	<0.12	<0.50	**0.44**	**1.9**	**0.44**	**1.9**	<0.55	<2.0
09/07/17	19	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	8015M & 8260M	767	**610**	**2,500**	**710**	**2,500**	**1.2**	**3.9**	**0.48**	**1.8**	**0.46**	**2.0**	<0.12	<0.50	**0.51**	**2.2**	**0.51**	**2.2**	<0.55	<2.0
10/12/17	20	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells (See Table 3A)	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		HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells (See Table 3B)	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		HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells (See Table 3C)	8015M & 8260M	335	**270**	**1,100**	**300**	**1,100**	**0.85**	**2.7**	**0.27**	**1.0**	**0.21**	**0.90**	<0.12	<0.50	**0.37**	**1.6**	**0.37**	**1.6**	<0.55	<2.0

Legend / Notes:

Data collected prior to April 2014 not verified for completeness nor accuracy.
Influent vapor sample inadvertently not collected during August 2016.
VES = Soil 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

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 6 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 6A for details).
11 = Closed vapor extraction well VEW-34 on 08/19/15 based on low to non-detectable lab results (see Table 7 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 6A 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 = See SGI's November 15, 2017 *Remediation Status Report - Third Quarter 2017* for full list of online wells.
20 = Opened dilution valve approximately 10% to reduce carbon usage rate.

TABLE 7A

Historical Summary of Field Vapor Sampling Readings - Former AST Area Horizontal Wells and Select Vertical Wells

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Notes	VES 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 *	VEW-32	VEW-33	VEW-34	VEW-35	VEW-36	VEW-37	VEW-38	VEW-39	VEW-40
			25	25	25	25	10 - 25	10 - 25	10 - 25	10 - 25	10 - 25	10 - 25	20 - 30	20 - 30	20 - 30
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	154	10	4.2	5.5	6.4	20	--	--	--
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	134	5.6	3.3	2.1	4.1	18	--	--	--
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	6.3	0.4	0.4	0.2	0	0	--	--	--
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	174	0.2	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	191	22	8.0	28	9.1	151	--	--	--
12/17/14	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	0	0	0	0.2	62	37	2.0	15	24	11	--	--	--
03/30/15	4,5	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	24	2	62	382.0	2.5	0.1	0.3	4.8	20	1.0	--	--	--
04/02/15	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	400	34	270	370	25	4.1	0	0	0	0	--	--	--
04/06/15	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	825	160	835	800	171	5.7	3.0	0	0	0	--	--	--
04/08/15	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	800	315	600	580	195	35	25	0	0	0	--	--	--
04/15/15	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	680	297	545	585	273	223	87	0	0	0	--	--	--
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	210	324	115	4.8	5.7	2.4	--	--	--
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	1,947	28	676	732	456	334	63	16	2.2	3.9	--	--	--
08/20/15	6,9	VEW-32, VEW-33, HW-1, HW-3, HW-5	1,792	--	1,283	1,526	530	329	--	--	--	--	--	--	--
09/08/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	1,914	--	839	1,811	395	162	--	--	--	--	--	--	--
09/16/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	1,333	--	756	1,142	266	184	--	--	--	--	--	--	--
10/09/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	854	--	462	807	343	258	--	--	--	--	--	--	--
11/04/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	605	--	372	500	401	184	--	--	--	--	--	--	--
12/07/15	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	880	--	590	760	327	246	88	22	12	14	--	--	--

TABLE 7A

Historical Summary of Field Vapor Sampling Readings - Former AST Area Horizontal Wells and Select Vertical Wells

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Notes	VES 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 *	VEW-32	VEW-33	VEW-34	VEW-35	VEW-36	VEW-37	VEW-38	VEW-39	VEW-40
			25	25	25	25	10 - 25	10 - 25	10 - 25	10 - 25	10 - 25	10 - 25	20 - 30	20 - 30	20 - 30
01/13/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	640	--	415	390	220	260	72	34	22	17	--	--	--
02/08/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	520	--	300	240	160	220	55	42	28	11	--	--	--
03/02/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	400	--	360	180	120	240	47	31	32	15	--	--	--
04/06/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	420	--	260	220	60	380	29	22	18	12	--	--	--
05/04/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	400	--	240	180	90	340	36	18	25	19	--	--	--
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	20	140	11	9.0	34	8.3	--	--	--
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	32	80	9.1	7.3	30	6.4	--	--	--
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	20	60	17	8.8	20	7.1	--	--	--
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	12	45	11	6.1	14	5.4	--	--	--
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	15	33	17	8.1	19	6.7	--	--	--
06/05/17		HW-1, HW-3, HW-5	107	15	82	211	10	14	8.0	7.1	12	11	--	--	--
07/19/17	13	HW-5, HW-7 and VEW-39	--	49	79	286	12	47	9.3	4.1	6.2	4.8	550	1,680	9,600
08/09/17	14,15	HW-1, HW-5, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	192	--	94	236	5.5	27	7.7	2.3	3.7	5.4	540	940	8,000
09/07/17	15	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	180	--	60	220	9.2	20	11	5.5	14	10	480	190	9,200
10/12/17		HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells (See Table 3A)	220	--	80	260	13	28	14	9.3	19	12	270	330	5,800
11/02/17		HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells (See Table 3B)	346	--	105	334	10	23	11	6.6	15	9.1	400	620	3,700
12/11/17		HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells (See Table 3C)	280	--	90	220	7.7	20	9.3	5.1	8.8	7.3	360	480	4,900

Legend / Notes on Next Page.

TABLE 7A

Historical Summary of Field Vapor Sampling Readings - Former AST Area Horizontal Wells and Select Vertical Wells

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Notes	VES 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 *	VEW-32	VEW-33	VEW-34	VEW-35	VEW-36	VEW-37	VEW-38	VEW-39	VEW-40
			25	25	25	25	10 - 25	10 - 25	10 - 25	10 - 25	10 - 25	10 - 25	20 - 30	20 - 30	20 - 30

Legend / Notes:

GRO = Gasoline range organics ppmv = Parts per million by volume OVA = Organic Vapor Analyzer -- = Not measured

Concentrations measured using calibrated field OVA.

1 = Initial readings on system 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 system in accordance with recent field OVA readings and/or lab data.
13 = 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.
14 = 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*.
15 = See SGI's November 15, 2017 *Remediation Status Report - Third Quarter 2017* for full list of online wells.

* = 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 7B

Historical Summary of Field Vapor Sampling Readings - Northeastern Area Vertical Wells

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Notes	VES Wells On Line	Well GRO Concentration (ppmv) / Screen Interval in Feet Below Grade						
			RW-1	RW-2	RW-7	RW-9	RW-12	RW-13	RW-18
			15 - 35	13 - 33	17 - 37	15 - 35	14 - 34	15 - 35	18 - 38
08/09/17	1,2	HW-1, HW-5, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	1,268	16	120	1,164	76	2,440	374
09/07/17	2	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	3,860	99	495	320	90	2,870	679
10/12/17		HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells (See Table 3A)	2,480	75	310	660	120	2,620	580
11/02/17		HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells (See Table 3B)	3,140	50	225	840	140	3,200	430
12/11/17		HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells (See Table 3C)	2,250	60	180	590	80	3,040	350

Legend / Notes:

GRO = Gasoline range organics ppmv = Parts per million by volume OVA = Organic Vapor Analyzer

Concentrations measured using calibrated field OVA.

1 = RW wells tied into system during early August 2017 following installation per SGI's June 30, 2017 *Remediation Well Installation Update Report.*

2 = See SGI's November 15, 2017 *Remediation Status Report - Third Quarter 2017* for full list of online wells.

TABLE 7C

Historical Summary of Field Vapor Sampling Readings - Southern Area Vertical Wells

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Notes	VES Wells On Line	Well GRO Concentration (ppmv) / Screen Interval in Feet Below Grade											
			RW-20	RW-21	RW-22	RW-23	RW-24	RW-26	RW-28	RW-29	RW-30	RW-31	RW-32	RW-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
08/09/17	1,2	HW-1, HW-5, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	129	160	1,775	787	1,525	4,340	8,420	620	6,550	7,165	820	1,230
09/07/17	2	HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells	58	110	1,379	141	1,423	3,290	8,080	1,123	8,240	3,400	715	836
10/12/17		HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells (See Table 3A)	220	165	1,800	340	1,200	3,880	9,190	818	5,800	5,200	955	900
11/02/17		HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells (See Table 3B)	170	140	1,410	250	1,770	2,900	6,400	909	7,330	4,300	1,060	620
12/11/17		HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells (See Table 3C)	190	120	1,660	230	1,605	3,400	7,170	764	6,400	3,900	700	510

Legend / Notes:

GRO = Gasoline range organics ppmv = Parts per million by volume OVA = Organic Vapor Analyzer

Concentrations measured using calibrated field OVA.

1 = RW wells tied into system during early August 2017 following installation per SGI's June 30, 2017 *Remediation Well Installation Update Report.*

2 = See SGI's November 15, 2017 *Remediation Status Report - Third Quarter 2017* for full list of online wells.

TABLE 8
Historical Summary of Analytical Sampling Results - Individual Well Vapor
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Well ID	Sample Date	Notes	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		Benzene		Toluene		Ethylbenzene		o-Xylene		m,p-Xylenes		MTBE	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
HW-1	07/09/14	1	8015M & 8260M	69	**23**	**96**	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	10/23/14			3.3	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	04/27/15			1,455	**830**	**3,400**	**1.1**	**3.5**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			1,947	**2,700**	**11,000**	**1.0**	**3.3**	<0.13	<0.50	**0.25**	**1.1**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	02/08/16			520	**440**	**1,800**	**0.88**	**2.8**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	04/06/16			420	**340**	**1,400**	**1.0**	**3.2**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	01/18/17	2		80	**88**	**310**	**0.59**	**1.9**	**0.18**	**0.67**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	11/02/17			346	**240**	**1,000**	**0.59**	**1.9**	<0.13	<0.50	**0.15**	**0.66**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
HW-3 *	07/09/14	1		20	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	10/23/14			20	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	04/27/15			138	**66**	**270**	**0.28**	**0.9**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			28	**7.3**	**30**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	01/18/17	2		17	**8.5**	**30**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
HW-5	07/09/14	1		140	**46**	**190**	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	10/23/14			2.9	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	04/27/15			400	**290**	**1,200**	**0.17**	**0.55**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	**0.30**	**1.3**	<0.55	<2.0
	08/10/15			676	**930**	**3,800**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	02/08/16			300	**320**	**1,300**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	04/06/16			260	**210**	**870**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/08/16			190	**120**	**480**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	01/18/17	2		180	**85**	**300**	**0.34**	**1.1**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	11/02/17			105	**39**	**160**	**0.21**	**0.68**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
HW-7 *	07/09/14	1		4,176	**2,055**	**8,400**	**3.1**	**10**	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	10/23/14			2.0	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	04/27/15			810	**590**	**2,400**	**3.4**	**11**	**0.69**	**2.6**	**0.32**	**1.4**	**0.20**	**0.88**	**1.2**	**5.0**	<0.55	<2.0
	08/10/15			732	**950**	**3,900**	**6.3**	**20**	**0.34**	**1.3**	**0.64**	**2.8**	**0.30**	**1.3**	**2.3**	**10**	<0.55	<2.0
	02/08/16			240	**190**	**780**	**1.2**	**3.8**	**0.37**	**1.4**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	04/06/16			220	**170**	**710**	**1.4**	**4.4**	**0.53**	**2.0**	<0.12	<0.50	<0.12	<0.50	**0.28**	**1.2**	<0.55	<2.0
	08/08/16			230	**170**	**710**	**2.0**	**6.5**	**0.56**	**2.1**	<0.12	<0.50	<0.12	<0.50	**0.32**	**1.4**	<0.55	<2.0
	01/18/17	2		200	**110**	**370**	**2.0**	**6.5**	**0.82**	**3.1**	**0.12**	**0.52**	**0.12**	**0.51**	**0.35**	**1.5**	<0.55	<2.0
	05/03/17			260	**240**	**1,000**	**2.1**	**6.6**	**1.2**	**4.6**	**0.15**	**0.64**	**0.15**	**0.66**	**0.51**	**2.2**	<0.55	<2.0
	11/02/17			334	**210**	**860**	**2.3**	**7.4**	**1.2**	**4.4**	**0.18**	**0.78**	**0.16**	**0.68**	**0.51**	**2.2**	<0.55	<2.0
VEW-32	07/09/14	1		154	**132**	**540**	<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			191	**19**	**76**	<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			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	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	10/23/14			22	**6.6**	**27**	<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			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

TABLE 8
Historical Summary of Analytical Sampling Results - Individual Well Vapor
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		4.2	<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			8.0	<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
VEW-34	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
	07/09/14	1		5.5	<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			28	<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
VEW-35	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
	07/09/14	1		6.4	<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			9.1	<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
VEW-36	04/27/15			5.7	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			2.2	**8.1**	**33**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/17			6.7	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	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			151	**13**	**53**	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
VEW-37	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
	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
VEW-38	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
	06/27/17	3	8015M & 8260M	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
VEW-39	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
	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
VEW-40	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**	<0.55	<2.0
RW-1	08/09/17	4		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	4		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
RW-7	08/09/17	4		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
RW-9	08/09/17	4		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
RW-12	08/09/17	4		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
RW-13	08/09/17	4		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**	<0.13	<0.50	**1.8**	**7.9**	**1.5**	**6.4**	**6.4**	**28**	<0.55	<2.0
RW-18	08/09/17	4		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**	**0.74**	**2.8**	**0.62**	**2.7**	**0.53**	**2.3**	**2.2**	**9.6**	<0.55	<2.0
RW-20	08/16/17	4		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
RW-21	08/09/17	4		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
RW-22	08/16/17	4		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
RW-23	08/09/17	4		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

TABLE 8
Historical Summary of Analytical Sampling Results - Individual Well Vapor
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-24	08/16/17	4	8015M & 8260M	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
RW-26	08/09/17	4		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
RW-28	08/09/17	4		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
RW-29	08/09/17	4		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
RW-30	08/09/17	4		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
RW-31	08/09/17	4		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**	**0.44**	**1.4**	<0.13	<0.50	**3.0**	**13**	**1.1**	**4.9**	**2.3**	**10**	<0.55	<2.0
RW-32	08/16/17	4		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
RW-33	08/16/17	4		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
RTF-18-NW	10/05/17	5		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	5		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

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 = Well tied into system during late June 2017 following installation per SGI's March 14, 2017 *Well Replacement Report and Work Plan.*

4 = Well tied into system during early August 2017 following installation per SGI's June 30, 2017 *Remediation Well Installation Update Report.*

5 = Well temporarily utilized as an extraction point as part of vacuum enhanced LNAPL recovery testing (results to be provided under separate cover).

* = 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.

APPENDIX A

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS

AMERICAN ANALYTICS

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

October 11, 2017

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5332323 / 7J06003

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/06/17 13:25 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: A5332323
Date Received: 10/06/17
Date Reported: 10/11/17

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
RTF-18 NW	7J06003-01	Vapor	5	10/05/17 11:15	10/06/17 13:25
VOCs Gasoline Range Organics Vapor					
RTF-18 NW	7J06003-01	Vapor	5	10/05/17 11:15	10/06/17 13:25
VOCs GRO Vapor as Hexane					
RTF-18 NW	7J06003-01	Vapor	5	10/05/17 11:15	10/06/17 13:25

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332323
Project No:	04-NDLA-013	**Date Received:**	10/06/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/11/17
Matrix:	Vapor	**Sampled:**	10/05/17
Dilution:	5	**Prepared:**	10/06/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	10/07/17

RTF-18 NW

7J06003-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**330**	ug/L	0.50	**100**	ppmv	0.16
Ethylbenzene	**52**	ug/L	0.50	**12**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	**0.66**	ug/L	0.50	**0.18**	ppmv	0.13
o-Xylene	**56**	ug/L	0.50	**13**	ppmv	0.12
m,p-Xylenes	**260**	ug/L	1.0	**60**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	85.8 %	70-140
Dibromofluoromethane	103 %	70-140
Toluene-d8	98.4 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332323
Project No:	04-NDLA-013	**Date Received:**	10/06/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/11/17
Matrix:	Vapor	**Sampled:**	10/05/17
Dilution:	100	**Prepared:**	10/06/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	10/06/17

RTF-18 NW

7J06003-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**67000**	ug/L	20	**16000**	ppmv	4.9

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332323
Project No:	04-NDLA-013	**Date Received:**	10/06/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/11/17
Matrix:	Vapor	**Sampled:**	10/05/17
Dilution:	100	**Prepared:**	10/06/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	10/06/17

RTF-18 NW

7J06003-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**67000**	ug/L	20	**19000**	ppmv	5.7

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332323
Date Received: 10/06/17
Date Reported: 10/11/17

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 B7J0613 - *** DEFAULT PREP ****										
Blank (B7J0613-BLK1)				Prepared & Analyzed: 10/06/17						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*47.6*		*ug/L*	*50*		*95.2*	*70-140*			
Surrogate: Dibromofluoromethane	*55.2*		*ug/L*	*50*		*110*	*70-140*			
Surrogate: Toluene-d8	*47.6*		*ug/L*	*50*		*95.1*	*70-140*			
LCS (B7J0613-BS1)				Prepared: 10/06/17 Analyzed: 10/07/17						
Benzene	**20.2**	0.50	ug/L	20		101	75-125			
Ethylbenzene	**22.4**	0.50	ug/L	20		112	75-125			
Methyl-tert-Butyl Ether (MTBE)	**35.7**	2.0	ug/L	40		89.2	75-125			
Toluene	**20.0**	0.50	ug/L	20		99.9	75-125			
o-Xylene	**20.4**	0.50	ug/L	20		102	75-125			
m,p-Xylenes	**41.7**	1.0	ug/L	40		104	75-125			
Surrogate: 4-Bromofluorobenzene	*47.8*		*ug/L*	*50*		*95.7*	*70-140*			
Surrogate: Dibromofluoromethane	*45.4*		*ug/L*	*50*		*90.7*	*70-140*			
Surrogate: Toluene-d8	*49.9*		*ug/L*	*50*		*99.8*	*70-140*			
LCS Dup (B7J0613-BSD1)				Prepared: 10/06/17 Analyzed: 10/07/17						
Benzene	**20.8**	0.50	ug/L	20		104	75-125	3.07	30	
Ethylbenzene	**22.0**	0.50	ug/L	20		110	75-125	1.80	30	
Methyl-tert-Butyl Ether (MTBE)	**39.1**	2.0	ug/L	40		97.7	75-125	9.09	30	
Toluene	**20.7**	0.50	ug/L	20		103	75-125	3.44	30	
o-Xylene	**20.1**	0.50	ug/L	20		100	75-125	1.58	30	
m,p-Xylenes	**41.4**	1.0	ug/L	40		104	75-125	0.650	30	
Surrogate: 4-Bromofluorobenzene	*48.6*		*ug/L*	*50*		*97.3*	*70-140*			
Surrogate: Dibromofluoromethane	*47.5*		*ug/L*	*50*		*94.9*	*70-140*			
Surrogate: Toluene-d8	*50.3*		*ug/L*	*50*		*101*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332323
Date Received: 10/06/17
Date Reported: 10/11/17

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 B7J0920 - *** DEFAULT PREP ****										
Blank (B7J0920-BLK1)				Prepared & Analyzed: 10/06/17						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*49.4*		*ug/L*	*50*		*98.9*	*70-130*			
LCS (B7J0920-BS1)				Prepared & Analyzed: 10/06/17						
Gasoline Range Organics (GRO)	**433**	20	ug/L	500		86.6	75-125			
Surrogate: a,a,a-Trifluorotoluene	*47.4*		*ug/L*	*50*		*94.9*	*70-130*			
LCS Dup (B7J0920-BSD1)				Prepared & Analyzed: 10/06/17						
Gasoline Range Organics (GRO)	**422**	20	ug/L	500		84.3	75-125	2.68	30	
Surrogate: a,a,a-Trifluorotoluene	*50.6*		*ug/L*	*50*		*101*	*70-130*			
Duplicate (B7J0920-DUP1)		**Source: 7J04016-01**		Prepared & Analyzed: 10/06/17						
Gasoline Range Organics (GRO)	**2120**	20	ug/L		2000			6.18	30	
Surrogate: a,a,a-Trifluorotoluene	*59.8*		*ug/L*	*50*		*120*	*70-130*			
Gasoline Range Organics in Vapor as Hexane - Quality Control										
*Batch B7J0920 - *** DEFAULT PREP ****										
Blank (B7J0920-BLK1)				Prepared & Analyzed: 10/06/17						
GRO as Hexane	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*49.4*		*ug/L*	*50*		*98.9*	*70-130*			
LCS (B7J0920-BS1)				Prepared & Analyzed: 10/06/17						
GRO as Hexane	**433**	20	ug/L	500		86.6	75-125			
Surrogate: a,a,a-Trifluorotoluene	*47.4*		*ug/L*	*50*		*94.9*	*70-130*			
LCS Dup (B7J0920-BSD1)				Prepared & Analyzed: 10/06/17						
GRO as Hexane	**422**	20	ug/L	500		84.3	75-125	2.68	30	
Surrogate: a,a,a-Trifluorotoluene	*50.6*		*ug/L*	*50*		*101*	*70-130*			
Duplicate (B7J0920-DUP1)		**Source: 7J04016-01**		Prepared & Analyzed: 10/06/17						
GRO as Hexane	**2120**	20	ug/L		2000			6.18	30	
Surrogate: a,a,a-Trifluorotoluene	*59.8*		*ug/L*	*50*		*120*	*70-130*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332323
Project No:	04-NDLA-013	**Date Received:**	10/06/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/11/17

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

13805

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

Client:	APEX/The Source Group, Inc.	**Project Name / No.:**	DFSP - Norwalk / 091-NDLA	**Sampler's Name:**	Glenn 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.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	GRO	8260 BTEX	Special Instructions
RTF-18 NW	7J06003-01	10-5-17	1115	Air	1	✓	✓	

PRIORITY
Rush Hrs
Date 10/6/17 Time 1320 Sign
STI ✓

AS332323 / 7J06003

Relinquished by	Date	Time	Received by
Glenn Andrasko	10-6-17	1025	
	10-6-17	1325	

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

AMERICAN ANALYTICS

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

October 13, 2017

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5332324 / 7J09008

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/09/17 14:08 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332324
Date Received: 10/09/17
Date Reported: 10/13/17

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
RTF-18 NW	7J09008-01	Vapor	5	10/09/17 10:15	10/09/17 14:08
VOCs Gasoline Range Organics Vapor					
RTF-18 NW	7J09008-01	Vapor	5	10/09/17 10:15	10/09/17 14:08
VOCs GRO Vapor as Hexane					
RTF-18 NW	7J09008-01	Vapor	5	10/09/17 10:15	10/09/17 14:08

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332324
Project No:	04-NDLA-013	**Date Received:**	10/09/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/13/17
Matrix:	Vapor	**Sampled:**	10/09/17
Dilution:	10	**Prepared:**	10/11/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	10/11/17

RTF-18 NW

7J09008-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**550**	ug/L	0.50	**170**	ppmv	0.16
Ethylbenzene	**75**	ug/L	0.50	**17**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<20	ug/L	2.0	<5.5	ppmv	0.55
Toluene	<5.0	ug/L	0.50	<1.3	ppmv	0.13
o-Xylene	**83**	ug/L	0.50	**19**	ppmv	0.12
m,p-Xylenes	**400**	ug/L	1.0	**92**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	85.3 %	70-140
Dibromofluoromethane	101 %	70-140
Toluene-d8	97.4 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332324
Project No:	04-NDLA-013	**Date Received:**	10/09/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/13/17
Matrix:	Vapor	**Sampled:**	10/09/17
Dilution:	100	**Prepared:**	10/10/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	10/10/17

RTF-18 NW

7J09008-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**72000**	ug/L	20	**18000**	ppmv	4.9

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332324
Project No:	04-NDLA-013	**Date Received:**	10/09/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/13/17
Matrix:	Vapor	**Sampled:**	10/09/17
Dilution:	100	**Prepared:**	10/10/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	10/10/17

RTF-18 NW

7J09008-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**72000**	ug/L	20	**20000**	ppmv	5.7

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332324
Date Received: 10/09/17
Date Reported: 10/13/17

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 B7J1226 - *** DEFAULT PREP ****										
Blank (B7J1226-BLK1)				Prepared & Analyzed: 10/11/17						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*48.1*		*ug/L*	*50*		*96.2*	*70-140*			
Surrogate: Dibromofluoromethane	*56.1*		*ug/L*	*50*		*112*	*70-140*			
Surrogate: Toluene-d8	*48.7*		*ug/L*	*50*		*97.3*	*70-140*			
LCS (B7J1226-BS1)				Prepared & Analyzed: 10/11/17						
Benzene	**21.3**	0.50	ug/L	20		106	75-125			
Ethylbenzene	**23.2**	0.50	ug/L	20		116	75-125			
Methyl-tert-Butyl Ether (MTBE)	**35.8**	2.0	ug/L	40		89.4	75-125			
Toluene	**21.5**	0.50	ug/L	20		108	75-125			
o-Xylene	**21.4**	0.50	ug/L	20		107	75-125			
m,p-Xylenes	**43.5**	1.0	ug/L	40		109	75-125			
Surrogate: 4-Bromofluorobenzene	*49.0*		*ug/L*	*50*		*97.9*	*70-140*			
Surrogate: Dibromofluoromethane	*46.5*		*ug/L*	*50*		*93.1*	*70-140*			
Surrogate: Toluene-d8	*49.6*		*ug/L*	*50*		*99.2*	*70-140*			
LCS Dup (B7J1226-BSD1)				Prepared & Analyzed: 10/11/17						
Benzene	**21.6**	0.50	ug/L	20		108	75-125	1.58	30	
Ethylbenzene	**22.2**	0.50	ug/L	20		111	75-125	4.85	30	
Methyl-tert-Butyl Ether (MTBE)	**40.8**	2.0	ug/L	40		102	75-125	13.1	30	
Toluene	**21.4**	0.50	ug/L	20		107	75-125	0.326	30	
o-Xylene	**20.7**	0.50	ug/L	20		104	75-125	2.95	30	
m,p-Xylenes	**42.5**	1.0	ug/L	40		106	75-125	2.44	30	
Surrogate: 4-Bromofluorobenzene	*48.2*		*ug/L*	*50*		*96.3*	*70-140*			
Surrogate: Dibromofluoromethane	*45.6*		*ug/L*	*50*		*91.2*	*70-140*			
Surrogate: Toluene-d8	*46.9*		*ug/L*	*50*		*93.9*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332324
Date Received: 10/09/17
Date Reported: 10/13/17

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 B7J1066 - *** DEFAULT PREP ****										
Blank (B7J1066-BLK1)				Prepared & Analyzed: 10/10/17						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*45.7*		*ug/L*	*50*		*91.5*	*70-130*			
LCS (B7J1066-BS1)				Prepared & Analyzed: 10/10/17						
Gasoline Range Organics (GRO)	**415**	20	ug/L	500		83.1	75-125			
Surrogate: a,a,a-Trifluorotoluene	*48.7*		*ug/L*	*50*		*97.4*	*70-130*			
LCS Dup (B7J1066-BSD1)				Prepared & Analyzed: 10/10/17						
Gasoline Range Organics (GRO)	**436**	20	ug/L	500		87.2	75-125	4.77	30	
Surrogate: a,a,a-Trifluorotoluene	*46.0*		*ug/L*	*50*		*92.0*	*70-130*			
Duplicate (B7J1066-DUP1)		**Source: 7J09008-01**		Prepared & Analyzed: 10/10/17						
Gasoline Range Organics (GRO)	**69900**	2000	ug/L		72300			3.50	30	
Surrogate: a,a,a-Trifluorotoluene	*53.0*		*ug/L*	*50*		*106*	*70-130*			
Gasoline Range Organics in Vapor as Hexane - Quality Control										
*Batch B7J1066 - *** DEFAULT PREP ****										
Blank (B7J1066-BLK1)				Prepared & Analyzed: 10/10/17						
GRO as Hexane	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*45.7*		*ug/L*	*50*		*91.5*	*70-130*			
LCS (B7J1066-BS1)				Prepared & Analyzed: 10/10/17						
GRO as Hexane	**415**	20	ug/L	500		83.1	75-125			
Surrogate: a,a,a-Trifluorotoluene	*48.7*		*ug/L*	*50*		*97.4*	*70-130*			
LCS Dup (B7J1066-BSD1)				Prepared & Analyzed: 10/10/17						
GRO as Hexane	**436**	20	ug/L	500		87.2	75-125	4.77	30	
Surrogate: a,a,a-Trifluorotoluene	*46.0*		*ug/L*	*50*		*92.0*	*70-130*			
Duplicate (B7J1066-DUP1)		**Source: 7J09008-01**		Prepared & Analyzed: 10/10/17						
GRO as Hexane	**69900**	2000	ug/L		72300			3.50	30	
Surrogate: a,a,a-Trifluorotoluene	*53.0*		*ug/L*	*50*		*106*	*70-130*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332324
Project No:	04-NDLA-013	**Date Received:**	10/09/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	10/13/17

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

13811

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

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Please enter the TAT Turnaround Codes ** below

Client I.D.	[illegible]	Date	Time	Sample Matrix	No. of Cont	GRO	8260 BTEX									Special Instructions
RTF-18 NW	7209008-01	10-9-17	1015	Air	1	✓	✓									

PRIORITY ✓ SH
Rush Hrs
Date 10/11 Time [illegible] Sign

AS33232[illegible]/7209008

Relinquished by	Date	Time	Received by
Glenn Androsko	10-9-17	1140	[signature]
[signature]	10/9/17	1408	[signature]

17 OCT 3 [illegible]

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

AMERICAN ANALYTICS

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

February 01, 2018

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5332326 / 7J12012

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/12/17 16:00 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332326
Date Received: 10/12/17
Date Reported: 02/01/18

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
Influent	7J12012-01	Vapor	5	10/12/17 12:56	10/12/17 16:00
VOCs Gasoline Range Organics Vapor					
Influent	7J12012-01	Vapor	5	10/12/17 12:56	10/12/17 16:00
VOCs GRO Vapor as Hexane					
Influent	7J12012-01	Vapor	5	10/12/17 12:56	10/12/17 16:00

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332326
Project No:	04-NDLA-013	**Date Received:**	10/12/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/01/18
Matrix:	Vapor	**Sampled:**	10/12/17
Dilution:	1	**Prepared:**	10/13/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	10/13/17

Influent

7J12012-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**3.2**	ug/L	0.50	**1.0**	ppmv	0.16
Ethylbenzene	**1.8**	ug/L	0.50	**0.41**	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	**0.88**	ug/L	0.50	**0.20**	ppmv	0.12
m,p-Xylenes	**3.6**	ug/L	1.0	**0.83**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	97.3 %	70-140
Dibromofluoromethane	107 %	70-140
Toluene-d8	93.8 %	70-140

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LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332326
Project No:	04-NDLA-013	**Date Received:**	10/12/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/01/18
Matrix:	Vapor	**Sampled:**	10/12/17
Dilution:	1	**Prepared:**	10/13/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	10/13/17

Influent

7J12012-01 (Vapor)

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

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	93.7 %	70-130

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LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332326
Project No:	04-NDLA-013	**Date Received:**	10/12/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/01/18
Matrix:	Vapor	**Sampled:**	10/12/17
Dilution:	1	**Prepared:**	10/13/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	10/13/17

Influent

7J12012-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**1500**	ug/L	20	**430**	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	93.7 %	70-130

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LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332326
Date Received: 10/12/17
Date Reported: 02/01/18

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 B7J1301 - *** DEFAULT PREP ****										
Blank (B7J1301-BLK1)				Prepared & Analyzed: 10/13/17						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*48.5*		*ug/L*	*50*		*97.1*	*70-140*			
Surrogate: Dibromofluoromethane	*49.4*		*ug/L*	*50*		*98.8*	*70-140*			
Surrogate: Toluene-d8	*50.8*		*ug/L*	*50*		*102*	*70-140*			
LCS (B7J1301-BS1)				Prepared & Analyzed: 10/13/17						
Benzene	**19.9**	0.50	ug/L	20		99.4	75-125			
Ethylbenzene	**22.6**	0.50	ug/L	20		113	75-125			
Methyl-tert-Butyl Ether (MTBE)	**34.6**	2.0	ug/L	40		86.6	75-125			
Toluene	**20.9**	0.50	ug/L	20		105	75-125			
o-Xylene	**21.2**	0.50	ug/L	20		106	75-125			
m,p-Xylenes	**43.3**	1.0	ug/L	40		108	75-125			
Surrogate: 4-Bromofluorobenzene	*48.7*		*ug/L*	*50*		*97.4*	*70-140*			
Surrogate: Dibromofluoromethane	*45.4*		*ug/L*	*50*		*90.8*	*70-140*			
Surrogate: Toluene-d8	*49.6*		*ug/L*	*50*		*99.2*	*70-140*			
LCS Dup (B7J1301-BSD1)				Prepared: 10/13/17 Analyzed: 10/14/17						
Benzene	**17.0**	0.50	ug/L	20		85.2	75-125	15.5	30	
Ethylbenzene	**22.7**	0.50	ug/L	20		114	75-125	0.751	30	
Methyl-tert-Butyl Ether (MTBE)	**36.9**	2.0	ug/L	40		92.3	75-125	6.35	30	
Toluene	**21.6**	0.50	ug/L	20		108	75-125	3.15	30	
o-Xylene	**21.7**	0.50	ug/L	20		108	75-125	2.05	30	
m,p-Xylenes	**43.7**	1.0	ug/L	40		109	75-125	0.896	30	
Surrogate: 4-Bromofluorobenzene	*48.8*		*ug/L*	*50*		*97.6*	*70-140*			
Surrogate: Dibromofluoromethane	*46.9*		*ug/L*	*50*		*93.8*	*70-140*			
Surrogate: Toluene-d8	*50.2*		*ug/L*	*50*		*100*	*70-140*			
Duplicate (B7J1301-DUP1)				**Source: 7J12013-02** Prepared & Analyzed: 10/13/17						

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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: A5332326
Date Received: 10/12/17
Date Reported: 02/01/18

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 B7J1301 - *** DEFAULT PREP ****										
Duplicate (B7J1301-DUP1) Continued			**Source: 7J12013-02**	Prepared & Analyzed: 10/13/17						
Benzene	**<0.50**	0.50	ug/L						30	
Ethylbenzene	**<0.50**	0.50	ug/L						30	
Methyl-tert-Butyl Ether (MTBE)	**<2.0**	2.0	ug/L						30	
Toluene	**<0.50**	0.50	ug/L						30	
o-Xylene	**<0.50**	0.50	ug/L						30	
m,p-Xylenes	**<1.0**	1.0	ug/L						30	
Surrogate: 4-Bromofluorobenzene	*49.7*		*ug/L*	*50*		*99.3*	*70-140*			
Surrogate: Dibromofluoromethane	*55.2*		*ug/L*	*50*		*110*	*70-140*			
Surrogate: Toluene-d8	*49.3*		*ug/L*	*50*		*98.6*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B7J1304 - *** DEFAULT PREP ****										
Blank (B7J1304-BLK1)				Prepared & Analyzed: 10/13/17						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*47.7*		*ug/L*	*50*		*95.4*	*70-130*			
LCS (B7J1304-BS1)				Prepared & Analyzed: 10/13/17						
Gasoline Range Organics (GRO)	**430**	20	ug/L	500		86.0	75-125			
Surrogate: a,a,a-Trifluorotoluene	*48.4*		*ug/L*	*50*		*96.8*	*70-130*			
LCS Dup (B7J1304-BSD1)				Prepared & Analyzed: 10/13/17						
Gasoline Range Organics (GRO)	**443**	20	ug/L	500		88.6	75-125	3.01	30	
Surrogate: a,a,a-Trifluorotoluene	*49.3*		*ug/L*	*50*		*98.7*	*70-130*			
Duplicate (B7J1304-DUP1)			**Source: 7J12012-01**	Prepared & Analyzed: 10/13/17						
Gasoline Range Organics (GRO)	**1480**	20	ug/L		1540			4.17	30	
Surrogate: a,a,a-Trifluorotoluene	*52.8*		*ug/L*	*50*		*106*	*70-130*			
Gasoline Range Organics in Vapor as Hexane - Quality Control										
*Batch B7J1304 - *** DEFAULT PREP ****										
Blank (B7J1304-BLK1)				Prepared & Analyzed: 10/13/17						
GRO as Hexane	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*47.7*		*ug/L*	*50*		*95.4*	*70-130*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332326
Date Received: 10/12/17
Date Reported: 02/01/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics in Vapor as Hexane - Quality Control										
*Batch B7J1304 - *** DEFAULT PREP ****										
LCS (B7J1304-BS1)				Prepared & Analyzed: 10/13/17						
GRO as Hexane	**430**	20	ug/L	500		86.0	75-125			
Surrogate: a,a,a-Trifluorotoluene	*48.4*		*ug/L*	*50*		*96.8*	*70-130*			
LCS Dup (B7J1304-BSD1)				Prepared & Analyzed: 10/13/17						
GRO as Hexane	**443**	20	ug/L	500		88.6	75-125	3.01	30	
Surrogate: a,a,a-Trifluorotoluene	*49.3*		*ug/L*	*50*		*98.7*	*70-130*			
Duplicate (B7J1304-DUP1)		**Source: 7J12012-01**		Prepared & Analyzed: 10/13/17						
GRO as Hexane	**1480**	20	ug/L		1540			4.17	30	
Surrogate: a,a,a-Trifluorotoluene	*52.8*		*ug/L*	*50*		*106*	*70-130*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332326
Project No:	04-NDLA-013	**Date Received:**	10/12/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/01/18

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

13833

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

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

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

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										
Influent	7212012-01	10-12-17	1256	Air	1	✓	✓	✓								
Effluent	-02	10-12-17	1250	Air	1	✓	✓	✓								

PRIORITY J
Rush 24 Hrs SH
Date 10/12/17 Time 1615

Relinquished by	Date	Time	Received by
Glenn Androsko	10-12-17	1410	
	10/12/17	1600	

AS33232G/7212012

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

AMERICAN ANALYTICS

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

October 25, 2017

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk GWETS NPDES Monthly / 04-NDLA-013

A5332329 / 7J16006

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/16/17 13:08 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332329
Date Received: 10/16/17
Date Reported: 10/25/17

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B TPHGASOLINEBTEXOXY					
Surge Tank	7J16006-01	Water	5	10/16/17 11:32	10/16/17 13:08
After GAC-1	7J16006-02	Water	5	10/16/17 11:29	10/16/17 13:08
After GAC-2	7J16006-03	Water	5	10/16/17 11:24	10/16/17 13:08
Arsenic Total EPA 200.7					
Surge Tank	7J16006-01	Water	5	10/16/17 11:32	10/16/17 13:08
After Zeolite Bed-1	7J16006-04	Water	5	10/16/17 11:20	10/16/17 13:08
After Zeolite Bed-2	7J16006-05	Water	5	10/16/17 11:19	10/16/17 13:08
Diesel Range Organics 8015M					
Surge Tank	7J16006-01	Water	5	10/16/17 11:32	10/16/17 13:08
After GAC-1	7J16006-02	Water	5	10/16/17 11:29	10/16/17 13:08
After GAC-2	7J16006-03	Water	5	10/16/17 11:24	10/16/17 13:08

Viorel Vasile
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LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GWETS NPDES Monthly
Method: TPHG/BTEX/Oxygenates by GC/MS

AA Project No: A5332329
Date Received: 10/16/17
Date Reported: 10/25/17
Units: ug/L

Date Sampled:	10/16/17	10/16/17	10/16/17		
Date Prepared:	10/18/17	10/18/17	10/18/17		
Date Analyzed:	10/18/17	10/18/17	10/18/17		
AA ID No:	7J16006-01	7J16006-02	7J16006-03		
Client ID No:	Surge Tank	After GAC-1	After GAC-2		
Matrix:	Water	Water	Water		
Dilution Factor:	1	1	1	MDL	MRL
8260B TPHGASOLINEBTEXOXY (EPA 8260B)					
tert-Amyl Methyl Ether (TAME)	<0.30	<0.30	<0.30	0.30	2.0
Benzene	**3.7**	<0.20	<0.20	0.20	0.50
tert-Butyl alcohol (TBA)	<7.0	<7.0	<7.0	7.0	10
Diisopropyl ether (DIPE)	<0.50	<0.50	<0.50	0.50	2.0
Ethylbenzene	<0.20	<0.20	<0.20	0.20	0.50
Ethyl-tert-Butyl Ether (ETBE)	<0.40	<0.40	<0.40	0.40	2.0
Gasoline Range Organics (GRO)	<40	<40	<40	40	100
Methyl-tert-Butyl Ether (MTBE)	**0.54 J**	**0.78 J**	**0.83 J**	0.40	2.0
Toluene	<0.30	<0.30	<0.30	0.30	0.50
o-Xylene	<0.30	<0.30	<0.30	0.30	0.50
m,p-Xylenes	<0.40	<0.40	<0.40	0.40	1.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	96%	97%	97%		70-140
Dibromofluoromethane	112%	114%	112%		70-140
Toluene-d8	96%	96%	96%		70-140

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LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GWETS NPDES Monthly
Method: Diesel Range Organics by GC/FID

AA Project No: A5332329
Date Received: 10/16/17
Date Reported: 10/25/17
Units: ug/L

Date Sampled:	10/16/17	10/16/17	10/16/17		
Date Prepared:	10/17/17	10/17/17	10/17/17		
Date Analyzed:	10/18/17	10/18/17	10/18/17		
AA ID No:	7J16006-01	7J16006-02	7J16006-03		
Client ID No:	Surge Tank	After GAC-1	After GAC-2		
Matrix:	Water	Water	Water		
Dilution Factor:	1	1	1	MDL	MRL
Diesel Range Organics 8015M (EPA 8015M)					
Diesel Range Organics as Diesel	**64 J**	<60	<60	60	100
Surrogates				**%REC Limits**	
o-Terphenyl	77%	71%	81%	50-150	

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LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GWETS NPDES Monthly
Method: Total Metals by ICP Atomic Emission Spectroscopy

AA Project No: A5332329
Date Received: 10/16/17
Date Reported: 10/25/17

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
Arsenic Total EPA 200.7 (EPA 200.7)									
7J16006-01	Surge Tank	10/16/17	10/17/17	10/20/17	1	**0.031**	mg/L	0.006	0.007
7J16006-04	After Zeolite Bed-1	10/16/17	10/17/17	10/20/17	1	**0.019**	mg/L	0.006	0.007
7J16006-05	After Zeolite Bed-2	10/16/17	10/17/17	10/20/17	1	**0.018**	mg/L	0.006	0.007

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LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332329
Date Received: 10/16/17
Date Reported: 10/25/17

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
TPHG/BTEX/Oxygenates by GC/MS - Quality Control										
Batch B7J1829 - EPA 5030B										
Blank (B7J1829-BLK1)				Prepared & Analyzed: 10/18/17						
tert-Amyl Methyl Ether (TAME)	<0.30	0.30	ug/L							
Benzene	<0.20	0.20	ug/L							
tert-Butyl alcohol (TBA)	<7.0	7.0	ug/L							
Diisopropyl ether (DIPE)	<0.50	0.50	ug/L							
Ethylbenzene	<0.20	0.20	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<0.40	0.40	ug/L							
Gasoline Range Organics (GRO)	<40	40	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<0.40	0.40	ug/L							
Toluene	<0.30	0.30	ug/L							
o-Xylene	<0.30	0.30	ug/L							
m,p-Xylenes	<0.40	0.40	ug/L							
Surrogate: 4-Bromofluorobenzene	*49.2*		*ug/L*	*50*		*98.4*	*70-140*			
Surrogate: Dibromofluoromethane	*53.5*		*ug/L*	*50*		*107*	*70-140*			
Surrogate: Toluene-d8	*47.6*		*ug/L*	*50*		*95.2*	*70-140*			
LCS (B7J1829-BS1)				Prepared & Analyzed: 10/18/17						
tert-Amyl Methyl Ether (TAME)	**18.9**	0.30	ug/L	20		94.4	70-130			
Benzene	**20.6**	0.20	ug/L	20		103	75-125			
tert-Butyl alcohol (TBA)	**88.3**	7.0	ug/L	100		88.3	70-130			
Diisopropyl ether (DIPE)	**20.4**	0.50	ug/L	20		102	70-130			
Ethylbenzene	**21.4**	0.20	ug/L	20		107	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**19.9**	0.40	ug/L	20		99.3	70-130			
Gasoline Range Organics (GRO)	**435**	40	ug/L	500		87.0	70-130			
Methyl-tert-Butyl Ether (MTBE)	**37.1**	0.40	ug/L	40		92.7	70-135			
Toluene	**20.3**	0.30	ug/L	20		102	75-125			
o-Xylene	**20.2**	0.30	ug/L	20		101	75-125			
m,p-Xylenes	**41.5**	0.40	ug/L	40		104	70-130			
Surrogate: 4-Bromofluorobenzene	*48.8*		*ug/L*	*50*		*97.7*	*70-140*			
Surrogate: Dibromofluoromethane	*46.0*		*ug/L*	*50*		*92.0*	*70-140*			
Surrogate: Toluene-d8	*45.9*		*ug/L*	*50*		*91.9*	*70-140*			
Matrix Spike (B7J1829-MS1)				**Source: 7J13004-02**		Prepared & Analyzed: 10/18/17				

Viorel Vasile
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LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332329
Date Received: 10/16/17
Date Reported: 10/25/17

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
TPHG/BTEX/Oxygenates by GC/MS - Quality Control										
Batch B7J1829 - EPA 5030B										
Matrix Spike (B7J1829-MS1) Continued				**Source: 7J13004-02**			Prepared & Analyzed: 10/18/17			
tert-Amyl Methyl Ether (TAME)	**19.8**	0.30	ug/L	20		98.8	70-130			
Benzene	**21.9**	0.20	ug/L	20		110	70-130			
tert-Butyl alcohol (TBA)	**91.7**	7.0	ug/L	100		91.7	70-130			
Diisopropyl ether (DIPE)	**21.8**	0.50	ug/L	20		109	70-130			
Ethylbenzene	**21.4**	0.20	ug/L	20		107	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**21.6**	0.40	ug/L	20		108	70-130			
Methyl-tert-Butyl Ether (MTBE)	**40.1**	0.40	ug/L	40		100	70-130			
Toluene	**23.1**	0.30	ug/L	20		116	70-130			
o-Xylene	**20.0**	0.30	ug/L	20		100	70-130			
m,p-Xylenes	**41.4**	0.40	ug/L	40		104	70-130			
Surrogate: 4-Bromofluorobenzene	*49.3*		*ug/L*	*50*		*98.6*	*70-140*			
Surrogate: Dibromofluoromethane	*47.8*		*ug/L*	*50*		*95.7*	*70-140*			
Surrogate: Toluene-d8	*45.3*		*ug/L*	*50*		*90.7*	*70-140*			
Matrix Spike Dup (B7J1829-MSD1)				**Source: 7J13004-02**			Prepared & Analyzed: 10/18/17			
tert-Amyl Methyl Ether (TAME)	**19.5**	0.30	ug/L	20		97.4	70-130	1.48	30	
Benzene	**21.8**	0.20	ug/L	20		109	70-130	0.687	30	
tert-Butyl alcohol (TBA)	**88.4**	7.0	ug/L	100		88.4	70-130	3.61	30	
Diisopropyl ether (DIPE)	**21.8**	0.50	ug/L	20		109	70-130	0.275	30	
Ethylbenzene	**23.1**	0.20	ug/L	20		115	70-130	7.78	30	
Ethyl-tert-Butyl Ether (ETBE)	**21.2**	0.40	ug/L	20		106	70-130	2.10	30	
Methyl-tert-Butyl Ether (MTBE)	**40.4**	0.40	ug/L	40		101	70-130	0.572	30	
Toluene	**22.8**	0.30	ug/L	20		114	70-130	1.17	30	
o-Xylene	**21.5**	0.30	ug/L	20		108	70-130	7.27	30	
m,p-Xylenes	**43.9**	0.40	ug/L	40		110	70-130	5.70	30	
Surrogate: 4-Bromofluorobenzene	*48.5*		*ug/L*	*50*		*97.0*	*70-140*			
Surrogate: Dibromofluoromethane	*48.5*		*ug/L*	*50*		*97.0*	*70-140*			
Surrogate: Toluene-d8	*48.9*		*ug/L*	*50*		*97.8*	*70-140*			
Diesel Range Organics by GC/FID - Quality Control										
Batch B7J1729 - Default Prep GenChem										
Blank (B7J1729-BLK1)							Prepared: 10/17/17 Analyzed: 10/18/17			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332329
Date Received: 10/16/17
Date Reported: 10/25/17

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diesel Range Organics by GC/FID - Quality Control										
Batch B7J1729 - Default Prep GenChem										
Blank (B7J1729-BLK1) Continued				Prepared: 10/17/17 Analyzed: 10/18/17						
Diesel Range Organics as Diesel	<60	60	ug/L							
Surrogate: o-Terphenyl	*30.3*		*ug/L*	*40*		*75.8*	*50-150*			
LCS (B7J1729-BS1)				Prepared: 10/17/17 Analyzed: 10/18/17						
Diesel Range Organics as Diesel	**706**	60	ug/L	800		88.2	75-125		30	
Surrogate: o-Terphenyl	*30.6*		*ug/L*	*40*		*76.6*	*50-150*			
LCS Dup (B7J1729-BSD1)				Prepared: 10/17/17 Analyzed: 10/18/17						
Diesel Range Organics as Diesel	**862**	60	ug/L	800		108	75-125	20.0	30	
Surrogate: o-Terphenyl	*36.6*		*ug/L*	*40*		*91.6*	*50-150*			
Total Metals by ICP Atomic Emission Spectroscopy - Quality Control										
Batch B7J1731 - EPA 200.7										
Blank (B7J1731-BLK1)				Prepared: 10/17/17 Analyzed: 10/20/17						
Arsenic	<0.0060	0.0060	mg/L							
LCS (B7J1731-BS1)				Prepared: 10/17/17 Analyzed: 10/20/17						
Arsenic	**0.982**	0.0060	mg/L	1.0		98.2	80-120		20	
LCS Dup (B7J1731-BSD1)				Prepared: 10/17/17 Analyzed: 10/20/17						
Arsenic	**0.977**	0.0060	mg/L	1.0		97.7	80-120	0.531	20	
Duplicate (B7J1731-DUP1)			**Source: 7J16006-01**	Prepared: 10/17/17 Analyzed: 10/20/17						
Arsenic	**0.0305**	0.0060	mg/L		0.0306			0.327	30	
Matrix Spike (B7J1731-MS1)			**Source: 7J16005-01**	Prepared: 10/17/17 Analyzed: 10/20/17						
Arsenic	**0.926**	0.0060	mg/L	1.0		92.6	75-125		20	
Matrix Spike Dup (B7J1731-MSD1)			**Source: 7J16005-01**	Prepared: 10/17/17 Analyzed: 10/20/17						
Arsenic	**0.922**	0.0060	mg/L	1.0		92.2	75-125	0.379	20	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332329
Project No:	04-NDLA-013	**Date Received:**	10/16/17
Project Name:	DFSP Norwalk GWETS NPDES Monthly	**Date Reported:**	10/25/17

Special Notes

J : Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

13868

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

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Client I.D.	A-A I.D.	Date	Time	Sample Matrix	No. of Cont	TPHd 8015M	TPHg/BTEX/Oxys 8260B	Arsenic 200.7	Special Instructions
						Please enter the TAT Turnaround Codes ** below			
Surge Tank	716226-01	10-16-17	1132	Water	5	✓	✓	✓	
After GAC-1	-02		1129	Water	4	✓	✓		
After GAC-2	-03		1124	Water	4	✓	✓		
After Zolite Bed-1	-04		1120	Water	1			✓	
After Zolite Bed-2	-05	↓	1119	Water	1			✓	

REVIEWED Date 10/16/17 Time 1345 Sign: TAT N Days

SAMPLE INTEGRITY INTACT Y N TEMP 5.6

AS332329/716226

Relinquished by	Date	Time	Received by
Glenn Androsko	10-16-17	1145	
Relinquished by	Date	Time	Received by
	10/16/17	1308	
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

November 16, 2017

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5332350 / 7K02015

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/02/17 16:44 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: A5332350
Date Received: 11/02/17
Date Reported: 11/16/17

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
GRO in Vapor as Hexane					
HW-1	7K02015-01	Vapor	5	11/02/17 09:11	11/02/17 16:44
HW-5	7K02015-02	Vapor	5	11/02/17 09:13	11/02/17 16:44
HW-7	7K02015-03	Vapor	5	11/02/17 09:16	11/02/17 16:44
VOCs BTEX/MTBE Vapor GC/MS					
HW-1	7K02015-01	Vapor	5	11/02/17 09:11	11/02/17 16:44
HW-5	7K02015-02	Vapor	5	11/02/17 09:13	11/02/17 16:44
HW-7	7K02015-03	Vapor	5	11/02/17 09:16	11/02/17 16:44
VOCs Gasoline Range Organics Vapor					
HW-1	7K02015-01	Vapor	5	11/02/17 09:11	11/02/17 16:44
HW-5	7K02015-02	Vapor	5	11/02/17 09:13	11/02/17 16:44
HW-7	7K02015-03	Vapor	5	11/02/17 09:16	11/02/17 16:44

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332350
Project No:	04-NDLA-013	**Date Received:**	11/02/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/16/17
Matrix:	Vapor	**Sampled:**	11/02/17
Dilution:	1	**Prepared:**	11/03/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/03/17

HW-1

7K02015-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**1.9**	ug/L	0.50	**0.59**	ppmv	0.16
Ethylbenzene	**0.66**	ug/L	0.50	**0.15**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
o-Xylene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
m,p-Xylenes	<1.0	ug/L	1.0	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	94.8 %	70-140
Dibromofluoromethane	119 %	70-140
Toluene-d8	99.2 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332350
Project No:	04-NDLA-013	**Date Received:**	11/02/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/16/17
Matrix:	Vapor	**Sampled:**	11/02/17
Dilution:	1	**Prepared:**	11/03/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/03/17

HW-5

7K02015-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**0.68**	ug/L	0.50	**0.21**	ppmv	0.16
Ethylbenzene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
o-Xylene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
m,p-Xylenes	<1.0	ug/L	1.0	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	101 %	70-140
Dibromofluoromethane	121 %	70-140
Toluene-d8	101 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332350
Project No:	04-NDLA-013	**Date Received:**	11/02/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/16/17
Matrix:	Vapor	**Sampled:**	11/02/17
Dilution:	1	**Prepared:**	11/03/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/03/17

HW-7

7K02015-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**7.4**	ug/L	0.50	**2.3**	ppmv	0.16
Ethylbenzene	**0.78**	ug/L	0.50	**0.18**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	**4.4**	ug/L	0.50	**1.2**	ppmv	0.13
o-Xylene	**0.68**	ug/L	0.50	**0.16**	ppmv	0.12
m,p-Xylenes	**2.2**	ug/L	1.0	**0.51**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	102 %	70-140
Dibromofluoromethane	116 %	70-140
Toluene-d8	98.0 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332350
Project No:	04-NDLA-013	**Date Received:**	11/02/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/16/17
Matrix:	Vapor	**Sampled:**	11/02/17
Dilution:	1	**Prepared:**	11/03/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/03/17

HW-1

7K02015-01 (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	109 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332350
Project No:	04-NDLA-013	**Date Received:**	11/02/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/16/17
Matrix:	Vapor	**Sampled:**	11/02/17
Dilution:	1	**Prepared:**	11/03/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/03/17

HW-5

7K02015-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**160**	ug/L	20	**39**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	92.7 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332350
Project No:	04-NDLA-013	**Date Received:**	11/02/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/16/17
Matrix:	Vapor	**Sampled:**	11/02/17
Dilution:	1	**Prepared:**	11/03/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/03/17

HW-7

7K02015-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**860**	ug/L	20	**210**	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)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk VES AQMD
Method: GRO in Vapor as Hexane

AA Project No: A5332350
Date Received: 11/02/17
Date Reported: 11/16/17
Units: ppmv

Date Sampled:	11/02/17	11/02/17	11/02/17	
Date Prepared:	11/03/17	11/03/17	11/03/17	
Date Analyzed:	11/03/17	11/03/17	11/03/17	
AA ID No:	7K02015-01	7K02015-02	7K02015-03	
Client ID No:	HW-1	HW-5	HW-7	
Matrix:	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	MRL
GRO in Vapor as Hexane (EPA 8015M)				
GRO as Hexane	**290**	**45**	**240**	5.7

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332350
Date Received: 11/02/17
Date Reported: 11/16/17

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 B7K0304 - *** DEFAULT PREP ****										
Blank (B7K0304-BLK1)				Prepared & Analyzed: 11/03/17						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*53.7*		*ug/L*	*50*		*107*	*70-140*			
Surrogate: Dibromofluoromethane	*58.3*		*ug/L*	*50*		*117*	*70-140*			
Surrogate: Toluene-d8	*51.0*		*ug/L*	*50*		*102*	*70-140*			
LCS (B7K0304-BS1)				Prepared & Analyzed: 11/03/17						
Benzene	**21.9**	0.50	ug/L	20		110	75-125			
Ethylbenzene	**23.1**	0.50	ug/L	20		115	75-125			
Methyl-tert-Butyl Ether (MTBE)	**34.4**	2.0	ug/L	40		85.9	75-125			
Toluene	**20.5**	0.50	ug/L	20		102	75-125			
o-Xylene	**21.7**	0.50	ug/L	20		109	75-125			
m,p-Xylenes	**43.5**	1.0	ug/L	40		109	75-125			
Surrogate: 4-Bromofluorobenzene	*51.6*		*ug/L*	*50*		*103*	*70-140*			
Surrogate: Dibromofluoromethane	*51.4*		*ug/L*	*50*		*103*	*70-140*			
Surrogate: Toluene-d8	*51.6*		*ug/L*	*50*		*103*	*70-140*			
LCS Dup (B7K0304-BSD1)				Prepared: 11/03/17 Analyzed: 11/04/17						
Benzene	**21.4**	0.50	ug/L	20		107	75-125	2.59	30	
Ethylbenzene	**22.5**	0.50	ug/L	20		112	75-125	2.59	30	
Methyl-tert-Butyl Ether (MTBE)	**34.3**	2.0	ug/L	40		85.8	75-125	0.146	30	
Toluene	**21.0**	0.50	ug/L	20		105	75-125	2.27	30	
o-Xylene	**21.1**	0.50	ug/L	20		105	75-125	3.13	30	
m,p-Xylenes	**42.9**	1.0	ug/L	40		107	75-125	1.46	30	
Surrogate: 4-Bromofluorobenzene	*50.8*		*ug/L*	*50*		*102*	*70-140*			
Surrogate: Dibromofluoromethane	*49.0*		*ug/L*	*50*		*98.0*	*70-140*			
Surrogate: Toluene-d8	*50.7*		*ug/L*	*50*		*101*	*70-140*			
Duplicate (B7K0304-DUP1)				**Source: 7K02013-02** Prepared & Analyzed: 11/03/17						

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: A5332350
Date Received: 11/02/17
Date Reported: 11/16/17

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 B7K0304 - *** DEFAULT PREP ****										
Duplicate (B7K0304-DUP1) Continued				**Source: 7K02013-02**			Prepared & Analyzed: 11/03/17			
Benzene	**<0.50**	0.50	ug/L						30	
Ethylbenzene	**<0.50**	0.50	ug/L						30	
Methyl-tert-Butyl Ether (MTBE)	**<2.0**	2.0	ug/L						30	
Toluene	**<0.50**	0.50	ug/L						30	
o-Xylene	**<0.50**	0.50	ug/L						30	
m,p-Xylenes	**<1.0**	1.0	ug/L						30	
Surrogate: 4-Bromofluorobenzene	*52.9*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Dibromofluoromethane	*63.7*		*ug/L*	*50*		*127*	*70-140*			
Surrogate: Toluene-d8	*49.9*		*ug/L*	*50*		*99.9*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B7K0312 - *** DEFAULT PREP ****										
Blank (B7K0312-BLK1)							Prepared & Analyzed: 11/03/17			
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*51.4*		*ug/L*	*50*		*103*	*70-130*			
LCS (B7K0312-BS1)							Prepared & Analyzed: 11/03/17			
Gasoline Range Organics (GRO)	**437**	20	ug/L	500		87.4	75-125			
Surrogate: a,a,a-Trifluorotoluene	*50.4*		*ug/L*	*50*		*101*	*70-130*			
LCS Dup (B7K0312-BSD1)							Prepared & Analyzed: 11/03/17			
Gasoline Range Organics (GRO)	**435**	20	ug/L	500		87.1	75-125	0.363	30	
Surrogate: a,a,a-Trifluorotoluene	*51.1*		*ug/L*	*50*		*102*	*70-130*			
Duplicate (B7K0312-DUP1)				**Source: 7K02013-01**			Prepared & Analyzed: 11/03/17			
Gasoline Range Organics (GRO)	**95.3**	20	ug/L		84.7			11.8	30	
Surrogate: a,a,a-Trifluorotoluene	*51.8*		*ug/L*	*50*		*104*	*70-130*			
GRO in Vapor as Hexane - Quality Control										
*Batch B7K0312 - *** DEFAULT PREP ****										
Blank (B7K0312-BLK1)							Prepared & Analyzed: 11/03/17			
GRO as Hexane	<5.7	5.7	ppmv							
Duplicate (B7K0312-DUP1)				**Source: 7K02013-01**			Prepared & Analyzed: 11/03/17			

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: A5332350
Date Received: 11/02/17
Date Reported: 11/16/17

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO in Vapor as Hexane - Quality Control										
*Batch B7K0312 - *** DEFAULT PREP ****										
Duplicate (B7K0312-DUP1) Continued				**Source: 7K02013-01**	Prepared & Analyzed: 11/03/17					
GRO as Hexane	**26.7**	5.7	ppmv		23.7			11.8	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332350
Project No:	04-NDLA-013	**Date Received:**	11/02/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/16/17

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

13976

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

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

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Client I.D.	Lab ID	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B	Special Instructions
						Please enter the TAT Turnaround Codes ** below			
HW-1	7K02015-01	11-2-17	0911	Air	1	✓	✓	✓	
HW-5	-02	↓	0913	Air	1	✓	✓	✓	
HW-7	-03	↓	0916	Air	1	✓	✓	✓	

PRIORITY
Rush
Date 11/2/17 Time 1215 Sign
SH ✓

AS332350/7K02015

Relinquished by	Date	Time	Received by
Glenn Androsko	11-2-17	1335	
Relinquished by	Date	Time	Received by
	11/2/17	1644	
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

November 16, 2017

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5332351 / 7K02016

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/02/17 16:44 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: A5332351
Date Received: 11/02/17
Date Reported: 11/16/17

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
GRO in Vapor as Hexane					
East Trunkline	7K02016-01	Vapor	5	11/02/17 09:05	11/02/17 16:44
South Trunkline	7K02016-02	Vapor	5	11/02/17 09:06	11/02/17 16:44
VOCs BTEX/MTBE Vapor GC/MS					
East Trunkline	7K02016-01	Vapor	5	11/02/17 09:05	11/02/17 16:44
South Trunkline	7K02016-02	Vapor	5	11/02/17 09:06	11/02/17 16:44
VOCs Gasoline Range Organics Vapor					
East Trunkline	7K02016-01	Vapor	5	11/02/17 09:05	11/02/17 16:44
South Trunkline	7K02016-02	Vapor	5	11/02/17 09:06	11/02/17 16:44

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332351
Project No:	04-NDLA-013	**Date Received:**	11/02/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/16/17
Matrix:	Vapor	**Sampled:**	11/02/17
Dilution:	1	**Prepared:**	11/03/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/03/17

East Trunkline

7K02016-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**26**	ug/L	0.50	**8.1**	ppmv	0.16
Ethylbenzene	**12**	ug/L	0.50	**2.8**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	**8.2**	ug/L	0.50	**2.2**	ppmv	0.13
o-Xylene	**8.8**	ug/L	0.50	**2.0**	ppmv	0.12
m,p-Xylenes	**34**	ug/L	1.0	**7.8**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	100 %	70-140
Dibromofluoromethane	111 %	70-140
Toluene-d8	97.1 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332351
Project No:	04-NDLA-013	**Date Received:**	11/02/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/16/17
Matrix:	Vapor	**Sampled:**	11/02/17
Dilution:	1	**Prepared:**	11/03/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/03/17

South Trunkline

7K02016-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**0.78**	ug/L	0.50	**0.24**	ppmv	0.16
Ethylbenzene	**4.9**	ug/L	0.50	**1.1**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	**1.1**	ug/L	0.50	**0.29**	ppmv	0.13
o-Xylene	**1.2**	ug/L	0.50	**0.28**	ppmv	0.12
m,p-Xylenes	**4.6**	ug/L	1.0	**1.1**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	93.4 %	70-140
Dibromofluoromethane	111 %	70-140
Toluene-d8	102 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332351
Project No:	04-NDLA-013	**Date Received:**	11/02/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/16/17
Matrix:	Vapor	**Sampled:**	11/02/17
Dilution:	5	**Prepared:**	11/03/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/03/17

East Trunkline

7K02016-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**6700**	ug/L	20	**1600**	ppmv	4.9

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332351
Project No:	04-NDLA-013	**Date Received:**	11/02/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/16/17
Matrix:	Vapor	**Sampled:**	11/02/17
Dilution:	5	**Prepared:**	11/03/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/03/17

South Trunkline

7K02016-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**5200**	ug/L	20	**1300**	ppmv	4.9

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332351
Project No:	04-NDLA-013	**Date Received:**	11/02/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/16/17
Method:	GRO in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	11/02/17	11/02/17	
Date Prepared:	11/03/17	11/03/17	
Date Analyzed:	11/03/17	11/03/17	
AA ID No:	7K02016-01	7K02016-02	
Client ID No:	East Trunkline	South Trunkline	
Matrix:	Vapor	Vapor	
Dilution Factor:	5	5	MRL
GRO in Vapor as Hexane (EPA 8015M)			
GRO as Hexane	**1900**	**1500**	5.7

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332351
Date Received: 11/02/17
Date Reported: 11/16/17

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 B7K0304 - *** DEFAULT PREP ****										
Blank (B7K0304-BLK1)				Prepared & Analyzed: 11/03/17						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*53.7*		*ug/L*	*50*		*107*	*70-140*			
Surrogate: Dibromofluoromethane	*58.3*		*ug/L*	*50*		*117*	*70-140*			
Surrogate: Toluene-d8	*51.0*		*ug/L*	*50*		*102*	*70-140*			
LCS (B7K0304-BS1)				Prepared & Analyzed: 11/03/17						
Benzene	**21.9**	0.50	ug/L	20		110	75-125			
Ethylbenzene	**23.1**	0.50	ug/L	20		115	75-125			
Methyl-tert-Butyl Ether (MTBE)	**34.4**	2.0	ug/L	40		85.9	75-125			
Toluene	**20.5**	0.50	ug/L	20		102	75-125			
o-Xylene	**21.7**	0.50	ug/L	20		109	75-125			
m,p-Xylenes	**43.5**	1.0	ug/L	40		109	75-125			
Surrogate: 4-Bromofluorobenzene	*51.6*		*ug/L*	*50*		*103*	*70-140*			
Surrogate: Dibromofluoromethane	*51.4*		*ug/L*	*50*		*103*	*70-140*			
Surrogate: Toluene-d8	*51.6*		*ug/L*	*50*		*103*	*70-140*			
LCS Dup (B7K0304-BSD1)				Prepared: 11/03/17 Analyzed: 11/04/17						
Benzene	**21.4**	0.50	ug/L	20		107	75-125	2.59	30	
Ethylbenzene	**22.5**	0.50	ug/L	20		112	75-125	2.59	30	
Methyl-tert-Butyl Ether (MTBE)	**34.3**	2.0	ug/L	40		85.8	75-125	0.146	30	
Toluene	**21.0**	0.50	ug/L	20		105	75-125	2.27	30	
o-Xylene	**21.1**	0.50	ug/L	20		105	75-125	3.13	30	
m,p-Xylenes	**42.9**	1.0	ug/L	40		107	75-125	1.46	30	
Surrogate: 4-Bromofluorobenzene	*50.8*		*ug/L*	*50*		*102*	*70-140*			
Surrogate: Dibromofluoromethane	*49.0*		*ug/L*	*50*		*98.0*	*70-140*			
Surrogate: Toluene-d8	*50.7*		*ug/L*	*50*		*101*	*70-140*			
Duplicate (B7K0304-DUP1)				**Source: 7K02013-02** Prepared & Analyzed: 11/03/17						

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: A5332351
Date Received: 11/02/17
Date Reported: 11/16/17

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 B7K0304 - *** DEFAULT PREP ****										
Duplicate (B7K0304-DUP1) Continued				**Source: 7K02013-02**			Prepared & Analyzed: 11/03/17			
Benzene	**<0.50**	0.50	ug/L						30	
Ethylbenzene	**<0.50**	0.50	ug/L						30	
Methyl-tert-Butyl Ether (MTBE)	**<2.0**	2.0	ug/L						30	
Toluene	**<0.50**	0.50	ug/L						30	
o-Xylene	**<0.50**	0.50	ug/L						30	
m,p-Xylenes	**<1.0**	1.0	ug/L						30	
Surrogate: 4-Bromofluorobenzene	*52.9*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Dibromofluoromethane	*63.7*		*ug/L*	*50*		*127*	*70-140*			
Surrogate: Toluene-d8	*49.9*		*ug/L*	*50*		*99.9*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B7K0312 - *** DEFAULT PREP ****										
Blank (B7K0312-BLK1)							Prepared & Analyzed: 11/03/17			
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*51.4*		*ug/L*	*50*		*103*	*70-130*			
LCS (B7K0312-BS1)							Prepared & Analyzed: 11/03/17			
Gasoline Range Organics (GRO)	**437**	20	ug/L	500		87.4	75-125			
Surrogate: a,a,a-Trifluorotoluene	*50.4*		*ug/L*	*50*		*101*	*70-130*			
LCS Dup (B7K0312-BSD1)							Prepared & Analyzed: 11/03/17			
Gasoline Range Organics (GRO)	**435**	20	ug/L	500		87.1	75-125	0.363	30	
Surrogate: a,a,a-Trifluorotoluene	*51.1*		*ug/L*	*50*		*102*	*70-130*			
Duplicate (B7K0312-DUP1)				**Source: 7K02013-01**			Prepared & Analyzed: 11/03/17			
Gasoline Range Organics (GRO)	**95.3**	20	ug/L		84.7			11.8	30	
Surrogate: a,a,a-Trifluorotoluene	*51.8*		*ug/L*	*50*		*104*	*70-130*			
GRO in Vapor as Hexane - Quality Control										
*Batch B7K0312 - *** DEFAULT PREP ****										
Blank (B7K0312-BLK1)							Prepared & Analyzed: 11/03/17			
GRO as Hexane	<5.7	5.7	ppmv							
Duplicate (B7K0312-DUP1)				**Source: 7K02013-01**			Prepared & Analyzed: 11/03/17			

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: A5332351
Date Received: 11/02/17
Date Reported: 11/16/17

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO in Vapor as Hexane - Quality Control										
*Batch B7K0312 - *** DEFAULT PREP ****										
Duplicate (B7K0312-DUP1) Continued				**Source: 7K02013-01**	Prepared & Analyzed: 11/03/17					
GRO as Hexane	**26.7**	5.7	ppmv		23.7			11.8	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332351
Project No:	04-NDLA-013	**Date Received:**	11/02/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	11/16/17

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

13977

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

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

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Client I.D.	Lab #	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			
East Trunkline	7K02016-01	11-2-17	0905	Air	1	✓	✓	✓	
South Trunkline	-02	11-2-17	0904	Air	1	✓	✓	✓	

PRIORITY
Rush
Date 11/2/17 Time 1715 Sign

AS332351 / 7K02016

Relinquished by	Date	Time	Received by
Glenn Androsko	11-2-17	13:35	
Relinquished by	Date	Time	Received by
	11/2/17	1644	
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

February 01, 2018

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5332348 / 7K02011

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/02/17 16:44 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: A5332348
Date Received: 11/02/17
Date Reported: 02/01/18

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
GRO in Vapor as Hexane					
Influent	7K02011-01	Vapor	5	11/02/17 08:59	11/02/17 16:44
VOCs BTEX/MTBE Vapor GC/MS					
Influent	7K02011-01	Vapor	5	11/02/17 08:59	11/02/17 16:44
VOCs Gasoline Range Organics Vapor					
Influent	7K02011-01	Vapor	5	11/02/17 08:59	11/02/17 16:44

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332348
Project No:	04-NDLA-013	**Date Received:**	11/02/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/01/18
Matrix:	Vapor	**Sampled:**	11/02/17
Dilution:	1	**Prepared:**	11/03/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	11/03/17

Influent

7K02011-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**2.5**	ug/L	0.50	**0.78**	ppmv	0.16
Ethylbenzene	**1.2**	ug/L	0.50	**0.28**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	**0.89**	ug/L	0.50	**0.24**	ppmv	0.13
o-Xylene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
m,p-Xylenes	**2.2**	ug/L	1.0	**0.51**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	103 %	70-140
Dibromofluoromethane	113 %	70-140
Toluene-d8	101 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332348
Project No:	04-NDLA-013	**Date Received:**	11/02/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/01/18
Matrix:	Vapor	**Sampled:**	11/02/17
Dilution:	1	**Prepared:**	11/03/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	11/03/17

Influent

7K02011-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**970**	ug/L	20	**240**	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:**	A5332348
Project No:	04-NDLA-013	**Date Received:**	11/02/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/01/18
Method:	GRO in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	11/02/17	
Date Prepared:	11/03/17	
Date Analyzed:	11/03/17	
AA ID No:	7K02011-01	
Client ID No:	Influent	
Matrix:	Vapor	
Dilution Factor:	1	MRL

GRO in Vapor as Hexane (EPA 8015M)

GRO as Hexane	**270**	5.7

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332348
Date Received: 11/02/17
Date Reported: 02/01/18

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 B7K0304 - *** DEFAULT PREP ****										
Blank (B7K0304-BLK1)				Prepared & Analyzed: 11/03/17						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*53.7*		*ug/L*	*50*		*107*	*70-140*			
Surrogate: Dibromofluoromethane	*58.3*		*ug/L*	*50*		*117*	*70-140*			
Surrogate: Toluene-d8	*51.0*		*ug/L*	*50*		*102*	*70-140*			
LCS (B7K0304-BS1)				Prepared & Analyzed: 11/03/17						
Benzene	**21.9**	0.50	ug/L	20		110	75-125			
Ethylbenzene	**23.1**	0.50	ug/L	20		115	75-125			
Methyl-tert-Butyl Ether (MTBE)	**34.4**	2.0	ug/L	40		85.9	75-125			
Toluene	**20.5**	0.50	ug/L	20		102	75-125			
o-Xylene	**21.7**	0.50	ug/L	20		109	75-125			
m,p-Xylenes	**43.5**	1.0	ug/L	40		109	75-125			
Surrogate: 4-Bromofluorobenzene	*51.6*		*ug/L*	*50*		*103*	*70-140*			
Surrogate: Dibromofluoromethane	*51.4*		*ug/L*	*50*		*103*	*70-140*			
Surrogate: Toluene-d8	*51.6*		*ug/L*	*50*		*103*	*70-140*			
LCS Dup (B7K0304-BSD1)				Prepared: 11/03/17 Analyzed: 11/04/17						
Benzene	**21.4**	0.50	ug/L	20		107	75-125	2.59	30	
Ethylbenzene	**22.5**	0.50	ug/L	20		112	75-125	2.59	30	
Methyl-tert-Butyl Ether (MTBE)	**34.3**	2.0	ug/L	40		85.8	75-125	0.146	30	
Toluene	**21.0**	0.50	ug/L	20		105	75-125	2.27	30	
o-Xylene	**21.1**	0.50	ug/L	20		105	75-125	3.13	30	
m,p-Xylenes	**42.9**	1.0	ug/L	40		107	75-125	1.46	30	
Surrogate: 4-Bromofluorobenzene	*50.8*		*ug/L*	*50*		*102*	*70-140*			
Surrogate: Dibromofluoromethane	*49.0*		*ug/L*	*50*		*98.0*	*70-140*			
Surrogate: Toluene-d8	*50.7*		*ug/L*	*50*		*101*	*70-140*			
Duplicate (B7K0304-DUP1)				**Source: 7K02013-02** Prepared & Analyzed: 11/03/17						

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: A5332348
Date Received: 11/02/17
Date Reported: 02/01/18

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 B7K0304 - *** DEFAULT PREP ****										
Duplicate (B7K0304-DUP1) Continued				**Source: 7K02013-02**			Prepared & Analyzed: 11/03/17			
Benzene	**<0.50**	0.50	ug/L						30	
Ethylbenzene	**<0.50**	0.50	ug/L						30	
Methyl-tert-Butyl Ether (MTBE)	**<2.0**	2.0	ug/L						30	
Toluene	**<0.50**	0.50	ug/L						30	
o-Xylene	**<0.50**	0.50	ug/L						30	
m,p-Xylenes	**<1.0**	1.0	ug/L						30	
Surrogate: 4-Bromofluorobenzene	*52.9*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Dibromofluoromethane	*63.7*		*ug/L*	*50*		*127*	*70-140*			
Surrogate: Toluene-d8	*49.9*		*ug/L*	*50*		*99.9*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B7K0312 - *** DEFAULT PREP ****										
Blank (B7K0312-BLK1)							Prepared & Analyzed: 11/03/17			
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*51.4*		*ug/L*	*50*		*103*	*70-130*			
LCS (B7K0312-BS1)							Prepared & Analyzed: 11/03/17			
Gasoline Range Organics (GRO)	**437**	20	ug/L	500		87.4	75-125			
Surrogate: a,a,a-Trifluorotoluene	*50.4*		*ug/L*	*50*		*101*	*70-130*			
LCS Dup (B7K0312-BSD1)							Prepared & Analyzed: 11/03/17			
Gasoline Range Organics (GRO)	**435**	20	ug/L	500		87.1	75-125	0.363	30	
Surrogate: a,a,a-Trifluorotoluene	*51.1*		*ug/L*	*50*		*102*	*70-130*			
Duplicate (B7K0312-DUP1)				**Source: 7K02013-01**			Prepared & Analyzed: 11/03/17			
Gasoline Range Organics (GRO)	**95.3**	20	ug/L		84.7			11.8	30	
Surrogate: a,a,a-Trifluorotoluene	*51.8*		*ug/L*	*50*		*104*	*70-130*			
GRO in Vapor as Hexane - Quality Control										
*Batch B7K0312 - *** DEFAULT PREP ****										
Blank (B7K0312-BLK1)							Prepared & Analyzed: 11/03/17			
GRO as Hexane	<5.7	5.7	ppmv							
Duplicate (B7K0312-DUP1)				**Source: 7K02013-01**			Prepared & Analyzed: 11/03/17			

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: A5332348
Date Received: 11/02/17
Date Reported: 02/01/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO in Vapor as Hexane - Quality Control										
*Batch B7K0312 - *** DEFAULT PREP ****										
Duplicate (B7K0312-DUP1) Continued **Source: 7K02013-01** Prepared & Analyzed: 11/03/17										
GRO as Hexane	**26.7**	5.7	ppmv		23.7			11.8	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332348
Project No:	04-NDLA-013	**Date Received:**	11/02/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/01/18

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

13974

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

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

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										
Influent	7K02011-01	11-2-17	0859	Air	1	✓	✓	✓								
Effluent	-02	11-2-17	0855	Air	1	✓	✓	✓								

PRIORITY ✓ SH
Rush: Hrs
Date 11/2/17 Time 17:C Sign

Relinquished by	Date	Time	Received by
Glenn Androsko	11-2-17	13:35	
	11/2/17	1644	

AS332348/7K02011

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

AMERICAN ANALYTICS

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

December 04, 2017

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk GWETS NPDES Monthly / 04-NDLA-013

A5332360 / 7K13012

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/13/17 13:38 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 GWETS NPDES Monthly

AA Project No: A5332360
Date Received: 11/13/17
Date Reported: 12/04/17

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B TPHGASOLINEBTEXOXY					
Surge Tank	7K13012-01	Water	5	11/13/17 10:57	11/13/17 13:38
After GAC-1	7K13012-02	Water	5	11/13/17 10:52	11/13/17 13:38
After GAC-2	7K13012-03	Water	5	11/13/17 10:47	11/13/17 13:38
Arsenic Total EPA 200.7					
Surge Tank	7K13012-01	Water	5	11/13/17 10:57	11/13/17 13:38
After Zeolite Bed-1	7K13012-04	Water	5	11/13/17 10:42	11/13/17 13:38
After Zeolite Bed-2	7K13012-05	Water	5	11/13/17 10:40	11/13/17 13:38
Diesel Range Organics 8015M					
Surge Tank	7K13012-01	Water	5	11/13/17 10:57	11/13/17 13:38
After GAC-1	7K13012-02	Water	5	11/13/17 10:52	11/13/17 13:38
After GAC-2	7K13012-03	Water	5	11/13/17 10:47	11/13/17 13:38

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GWETS NPDES Monthly
Method: TPHG/BTEX/Oxygenates by GC/MS

AA Project No: A5332360
Date Received: 11/13/17
Date Reported: 12/04/17
Units: ug/L

Date Sampled:	11/13/17	11/13/17	11/13/17		
Date Prepared:	11/20/17	11/20/17	11/20/17		
Date Analyzed:	11/20/17	11/20/17	11/20/17		
AA ID No:	7K13012-01	7K13012-02	7K13012-03		
Client ID No:	Surge Tank	After GAC-1	After GAC-2		
Matrix:	Water	Water	Water		
Dilution Factor:	1	1	1	MDL	MRL
8260B TPHGASOLINEBTEXOXY (EPA 8260B)					
tert-Amyl Methyl Ether (TAME)	<0.30	<0.30	<0.30	0.30	2.0
Benzene	**4.5**	<0.20	<0.20	0.20	0.50
tert-Butyl alcohol (TBA)	<7.0	<7.0	<7.0	7.0	10
Diisopropyl ether (DIPE)	<0.50	<0.50	<0.50	0.50	2.0
Ethylbenzene	<0.20	<0.20	<0.20	0.20	0.50
Ethyl-tert-Butyl Ether (ETBE)	<0.40	<0.40	<0.40	0.40	2.0
Gasoline Range Organics (GRO)	<40	<40	<40	40	100
Methyl-tert-Butyl Ether (MTBE)	**0.54 J**	**0.59 J**	**0.51 J**	0.40	2.0
Toluene	<0.30	<0.30	<0.30	0.30	0.50
o-Xylene	<0.30	<0.30	<0.30	0.30	0.50
m,p-Xylenes	<0.40	<0.40	<0.40	0.40	1.0
Surrogates				**%REC Limits**	
4-Bromofluorobenzene	108%	108%	109%	70-140	
Dibromofluoromethane	122%	126%	127%	70-140	
Toluene-d8	102%	100%	100%	70-140	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GWETS NPDES Monthly
Method: Diesel Range Organics by GC/FID

AA Project No: A5332360
Date Received: 11/13/17
Date Reported: 12/04/17
Units: ug/L

Date Sampled:	11/13/17	11/13/17	11/13/17		
Date Prepared:	11/21/17	11/21/17	11/21/17		
Date Analyzed:	11/21/17	11/21/17	11/21/17		
AA ID No:	7K13012-01	7K13012-02	7K13012-03		
Client ID No:	Surge Tank	After GAC-1	After GAC-2		
Matrix:	Water	Water	Water		
Dilution Factor:	1	1	1	MDL	MRL
Diesel Range Organics 8015M (EPA 8015M)					
Diesel Range Organics as Diesel	**78 J**	<60	<60	60	100
Surrogates				**%REC Limits**	
o-Terphenyl	76%	82%	71%	50-150	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GWETS NPDES Monthly
Method: Total Metals by ICP Atomic Emission Spectroscopy

AA Project No: A5332360
Date Received: 11/13/17
Date Reported: 12/04/17

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
Arsenic Total EPA 200.7 (EPA 200.7)									
7K13012-01	Surge Tank	11/13/17	11/17/17	11/20/17	1	**0.054**	mg/L	0.006	0.007
7K13012-04	After Zeolite Bed-1	11/13/17	11/17/17	11/20/17	1	**0.020**	mg/L	0.006	0.007
7K13012-05	After Zeolite Bed-2	11/13/17	11/17/17	11/20/17	1	**0.019**	mg/L	0.006	0.007

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332360
Date Received: 11/13/17
Date Reported: 12/04/17

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
TPHG/BTEX/Oxygenates by GC/MS - Quality Control										
Batch B7K2013 - EPA 5030B										
Blank (B7K2013-BLK1)				Prepared & Analyzed: 11/20/17						
tert-Amyl Methyl Ether (TAME)	<0.30	0.30	ug/L							
Benzene	<0.20	0.20	ug/L							
tert-Butyl alcohol (TBA)	<7.0	7.0	ug/L							
Diisopropyl ether (DIPE)	<0.50	0.50	ug/L							
Ethylbenzene	<0.20	0.20	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<0.40	0.40	ug/L							
Gasoline Range Organics (GRO)	<40	40	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<0.40	0.40	ug/L							
Toluene	<0.30	0.30	ug/L							
o-Xylene	<0.30	0.30	ug/L							
m,p-Xylenes	<0.40	0.40	ug/L							
Surrogate: 4-Bromofluorobenzene	*51.7*		*ug/L*	*50*		*103*	*70-140*			
Surrogate: Dibromofluoromethane	*63.2*		*ug/L*	*50*		*126*	*70-140*			
Surrogate: Toluene-d8	*49.6*		*ug/L*	*50*		*99.2*	*70-140*			
LCS (B7K2013-BS1)				Prepared: 11/20/17 Analyzed: 11/21/17						
tert-Amyl Methyl Ether (TAME)	**17.8**	0.30	ug/L	20		89.2	70-130			
Benzene	**21.5**	0.20	ug/L	20		108	75-125			
tert-Butyl alcohol (TBA)	**99.8**	7.0	ug/L	100		99.8	70-130			
Diisopropyl ether (DIPE)	**20.0**	0.50	ug/L	20		100	70-130			
Ethylbenzene	**23.4**	0.20	ug/L	20		117	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**17.8**	0.40	ug/L	20		88.8	70-130			
Gasoline Range Organics (GRO)	**472**	40	ug/L	500		94.4	70-130			
Methyl-tert-Butyl Ether (MTBE)	**35.0**	0.40	ug/L	40		87.6	70-135			
Toluene	**21.6**	0.30	ug/L	20		108	75-125			
o-Xylene	**21.3**	0.30	ug/L	20		107	75-125			
m,p-Xylenes	**43.6**	0.40	ug/L	40		109	70-130			
Surrogate: 4-Bromofluorobenzene	*52.1*		*ug/L*	*50*		*104*	*70-140*			
Surrogate: Dibromofluoromethane	*50.9*		*ug/L*	*50*		*102*	*70-140*			
Surrogate: Toluene-d8	*52.7*		*ug/L*	*50*		*105*	*70-140*			
Matrix Spike (B7K2013-MS1)				**Source: 7K13010-11** Prepared & Analyzed: 11/20/17						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332360
Date Received: 11/13/17
Date Reported: 12/04/17

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
TPHG/BTEX/Oxygenates by GC/MS - Quality Control										
Batch B7K2013 - EPA 5030B										
Matrix Spike (B7K2013-MS1) Continued Source: 7K13010-11 Prepared & Analyzed: 11/20/17										
tert-Amyl Methyl Ether (TAME)	**16.7**	0.30	ug/L	20		83.4	70-130			
Benzene	**21.5**	0.20	ug/L	20		108	70-130			
tert-Butyl alcohol (TBA)	**112**	7.0	ug/L	100		112	70-130			
Diisopropyl ether (DIPE)	**22.6**	0.50	ug/L	20	0.520	110	70-130			
Ethylbenzene	**22.7**	0.20	ug/L	20		114	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**16.6**	0.40	ug/L	20		82.8	70-130			
Methyl-tert-Butyl Ether (MTBE)	**35.4**	0.40	ug/L	40		88.6	70-130			
Toluene	**20.3**	0.30	ug/L	20		102	70-130			
o-Xylene	**21.4**	0.30	ug/L	20		107	70-130			
m,p-Xylenes	**42.5**	0.40	ug/L	40		106	70-130			
Surrogate: 4-Bromofluorobenzene	*51.6*		*ug/L*	*50*		*103*	*70-140*			
Surrogate: Dibromofluoromethane	*52.6*		*ug/L*	*50*		*105*	*70-140*			
Surrogate: Toluene-d8	*51.0*		*ug/L*	*50*		*102*	*70-140*			
Matrix Spike Dup (B7K2013-MSD1) **Source: 7K13010-11** Prepared & Analyzed: 11/20/17										
tert-Amyl Methyl Ether (TAME)	**16.9**	0.30	ug/L	20		84.4	70-130	1.07	30	
Benzene	**21.5**	0.20	ug/L	20		108	70-130	0.139	30	
tert-Butyl alcohol (TBA)	**107**	7.0	ug/L	100		107	70-130	4.57	30	
Diisopropyl ether (DIPE)	**22.9**	0.50	ug/L	20	0.520	112	70-130	1.41	30	
Ethylbenzene	**22.9**	0.20	ug/L	20		114	70-130	0.701	30	
Ethyl-tert-Butyl Ether (ETBE)	**16.7**	0.40	ug/L	20		83.3	70-130	0.602	30	
Methyl-tert-Butyl Ether (MTBE)	**38.0**	0.40	ug/L	40		95.1	70-130	7.16	30	
Toluene	**20.2**	0.30	ug/L	20		101	70-130	0.741	30	
o-Xylene	**21.5**	0.30	ug/L	20		108	70-130	0.326	30	
m,p-Xylenes	**42.6**	0.40	ug/L	40		106	70-130	0.0705	30	
Surrogate: 4-Bromofluorobenzene	*51.9*		*ug/L*	*50*		*104*	*70-140*			
Surrogate: Dibromofluoromethane	*53.3*		*ug/L*	*50*		*107*	*70-140*			
Surrogate: Toluene-d8	*51.2*		*ug/L*	*50*		*102*	*70-140*			
Diesel Range Organics by GC/FID - Quality Control										
Batch B7K2120 - EPA 3510C										
Blank (B7K2120-BLK1) Prepared & Analyzed: 11/21/17										

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332360
Date Received: 11/13/17
Date Reported: 12/04/17

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diesel Range Organics by GC/FID - Quality Control										
Batch B7K2120 - EPA 3510C										
Blank (B7K2120-BLK1) Continued				Prepared & Analyzed: 11/21/17						
Diesel Range Organics as Diesel	<60	60	ug/L							
Surrogate: o-Terphenyl	*33.2*		*ug/L*	*40*		*83.0*	*50-150*			
LCS (B7K2120-BS1)				Prepared & Analyzed: 11/21/17						
Diesel Range Organics as Diesel	**763**	60	ug/L	800		95.3	75-125		30	
Surrogate: o-Terphenyl	*36.4*		*ug/L*	*40*		*90.9*	*50-150*			
LCS Dup (B7K2120-BSD1)				Prepared & Analyzed: 11/21/17						
Diesel Range Organics as Diesel	**713**	60	ug/L	800		89.1	75-125	6.73	30	
Surrogate: o-Terphenyl	*36.4*		*ug/L*	*40*		*90.9*	*50-150*			
Total Metals by ICP Atomic Emission Spectroscopy - Quality Control										
Batch B7K1705 - EPA 3010A										
Blank (B7K1705-BLK1)				Prepared: 11/17/17 Analyzed: 11/20/17						
Arsenic	<0.0060	0.0060	mg/L							
LCS (B7K1705-BS1)				Prepared: 11/17/17 Analyzed: 11/20/17						
Arsenic	**1.01**	0.0060	mg/L	1.0		101	80-120		20	
LCS Dup (B7K1705-BSD1)				Prepared: 11/17/17 Analyzed: 11/20/17						
Arsenic	**1.03**	0.0060	mg/L	1.0		103	80-120	2.36	20	
Duplicate (B7K1705-DUP1)			**Source: 7K13012-05**	Prepared: 11/17/17 Analyzed: 11/20/17						
Arsenic	**0.0179**	0.0060	mg/L		0.0186			3.84	30	
Matrix Spike (B7K1705-MS1)			**Source: 7K13011-01**	Prepared: 11/17/17 Analyzed: 11/20/17						
Arsenic	**0.977**	0.0060	mg/L	1.0		97.7	75-125		20	
Matrix Spike Dup (B7K1705-MSD1)			**Source: 7K13011-01**	Prepared: 11/17/17 Analyzed: 11/20/17						
Arsenic	**1.02**	0.0060	mg/L	1.0		102	75-125	4.19	20	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332360
Project No:	04-NDLA-013	**Date Received:**	11/13/17
Project Name:	DFSP Norwalk GWETS NPDES Monthly	**Date Reported:**	12/04/17

Special Notes

J : Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

14036

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

Client: APEX/The Source Group, Inc.	**Project Name / No.:** DFSP - Norwalk / 091-NDLA	**Sampler's Name:** Glenn 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.	Lab I.D.	Date	Time	Sample Matrix	No. of Cont	TPHd 8015M	TPHg/BTEX/Oxys 8260B	Arsenic 200.7	Special Instructions
Surge Tank	7K13012-01	11-13-17	1057	Water	5	✓	✓	✓	
After GAC-1	-02	↓	1052	Water	4	✓	✓		
After GAC-2	-03		1047	Water	4	✓	✓		
After Zolite Bed-1	-04		1042	Water	1			✓	
After Zolite Bed-2	-05		1040	Water	1			✓	

SAMPLE INTEGRITY
INTACT Y N TEMP 5°C

REVIEWED
Date 11/13/17 Time 1530
Sign:
TAT N Days

A533236O/7K13012

Relinquished by	Date	Time	Received by
Glenn Andrasko	11-13-17	1150	
	11-13-17	1338	

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

AMERICAN ANALYTICS

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

February 01, 2018

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5332397 / 7L11011

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 12/11/17 15:41 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: A5332397
Date Received: 12/11/17
Date Reported: 02/01/18

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
GRO in Vapor as Hexane					
Influent	7L11011-01	Vapor	5	12/11/17 08:57	12/11/17 15:41
VOCs BTEX/MTBE Vapor GC/MS					
Influent	7L11011-01	Vapor	5	12/11/17 08:57	12/11/17 15:41
VOCs Gasoline Range Organics Vapor					
Influent	7L11011-01	Vapor	5	12/11/17 08:57	12/11/17 15:41

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332397
Project No:	04-NDLA-013	**Date Received:**	12/11/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/01/18
Matrix:	Vapor	**Sampled:**	12/11/17
Dilution:	1	**Prepared:**	12/12/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	12/12/17

Influent

7L11011-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**2.7**	ug/L	0.50	**0.85**	ppmv	0.16
Ethylbenzene	**0.90**	ug/L	0.50	**0.21**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	**1.0**	ug/L	0.50	**0.27**	ppmv	0.13
o-Xylene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
m,p-Xylenes	**1.6**	ug/L	1.0	**0.37**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	97.5 %	70-140
Dibromofluoromethane	120 %	70-140
Toluene-d8	94.9 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332397
Project No:	04-NDLA-013	**Date Received:**	12/11/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/01/18
Matrix:	Vapor	**Sampled:**	12/11/17
Dilution:	1	**Prepared:**	12/13/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	12/13/17

Influent

7L11011-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**1100**	ug/L	20	**270**	ppmv	4.9

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332397
Project No:	04-NDLA-013	**Date Received:**	12/11/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/01/18
Method:	GRO in Vapor as Hexane	**Units:**	ppmv

Date Sampled:	12/11/17	
Date Prepared:	12/13/17	
Date Analyzed:	12/13/17	
AA ID No:	7L11011-01	
Client ID No:	Influent	
Matrix:	Vapor	
Dilution Factor:	1	MRL

GRO in Vapor as Hexane (EPA 8015M)

GRO as Hexane	**270**	5.7

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332397
Date Received: 12/11/17
Date Reported: 02/01/18

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 B7L1233 - *** DEFAULT PREP ****										
Blank (B7L1233-BLK1)				Prepared & Analyzed: 12/12/17						
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	*51.2*		*ug/L*	*50*		*102*	*70-140*			
Surrogate: Dibromofluoromethane	*61.4*		*ug/L*	*50*		*123*	*70-140*			
Surrogate: Toluene-d8	*49.7*		*ug/L*	*50*		*99.3*	*70-140*			
LCS (B7L1233-BS1)				Prepared & Analyzed: 12/12/17						
Benzene	**20.2**	0.50	ug/L	20		101	75-125			
Ethylbenzene	**22.2**	0.50	ug/L	20		111	75-125			
Methyl-tert-Butyl Ether (MTBE)	**44.0**	2.0	ug/L	40		110	75-125			
Toluene	**21.2**	0.50	ug/L	20		106	75-125			
o-Xylene	**21.2**	0.50	ug/L	20		106	75-125			
m,p-Xylenes	**43.0**	1.0	ug/L	40		108	75-125			
Surrogate: 4-Bromofluorobenzene	*49.1*		*ug/L*	*50*		*98.3*	*70-140*			
Surrogate: Dibromofluoromethane	*52.2*		*ug/L*	*50*		*104*	*70-140*			
Surrogate: Toluene-d8	*51.2*		*ug/L*	*50*		*102*	*70-140*			
LCS Dup (B7L1233-BSD1)				Prepared: 12/12/17 Analyzed: 12/13/17						
Benzene	**21.0**	0.50	ug/L	20		105	75-125	3.93	30	
Ethylbenzene	**21.1**	0.50	ug/L	20		105	75-125	5.13	30	
Methyl-tert-Butyl Ether (MTBE)	**46.8**	2.0	ug/L	40		117	75-125	6.30	30	
Toluene	**20.0**	0.50	ug/L	20		100	75-125	5.73	30	
o-Xylene	**20.5**	0.50	ug/L	20		102	75-125	3.46	30	
m,p-Xylenes	**41.4**	1.0	ug/L	40		104	75-125	3.79	30	
Surrogate: 4-Bromofluorobenzene	*49.9*		*ug/L*	*50*		*99.9*	*70-140*			
Surrogate: Dibromofluoromethane	*53.2*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Toluene-d8	*48.0*		*ug/L*	*50*		*95.9*	*70-140*			
Duplicate (B7L1233-DUP1)				**Source: 7L11011-02** Prepared & Analyzed: 12/12/17						

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: A5332397
Date Received: 12/11/17
Date Reported: 02/01/18

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 B7L1233 - *** DEFAULT PREP ****										
Duplicate (B7L1233-DUP1) Continued			**Source: 7L11011-02**	Prepared & Analyzed: 12/12/17						
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	*51.0*		*ug/L*	*50*		*102*	*70-140*			
Surrogate: Dibromofluoromethane	*64.9*		*ug/L*	*50*		*130*	*70-140*			
Surrogate: Toluene-d8	*51.2*		*ug/L*	*50*		*102*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B7L1325 - *** DEFAULT PREP ****										
Blank (B7L1325-BLK1)				Prepared & Analyzed: 12/13/17						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*58.2*		*ug/L*	*50*		*116*	*70-130*			
LCS (B7L1325-BS1)				Prepared & Analyzed: 12/13/17						
Gasoline Range Organics (GRO)	**458**	20	ug/L	500		91.6	75-125			
Surrogate: a,a,a-Trifluorotoluene	*56.8*		*ug/L*	*50*		*114*	*70-130*			
LCS Dup (B7L1325-BSD1)				Prepared & Analyzed: 12/13/17						
Gasoline Range Organics (GRO)	**495**	20	ug/L	500		99.0	75-125	7.76	30	
Surrogate: a,a,a-Trifluorotoluene	*52.5*		*ug/L*	*50*		*105*	*70-130*			
Duplicate (B7L1325-DUP1)			**Source: 7L11011-01**	Prepared & Analyzed: 12/13/17						
Gasoline Range Organics (GRO)	**947**	20	ug/L		1060			11.6	30	
Surrogate: a,a,a-Trifluorotoluene	*53.1*		*ug/L*	*50*		*106*	*70-130*			
GRO in Vapor as Hexane - Quality Control										
*Batch B7L1325 - *** DEFAULT PREP ****										
Blank (B7L1325-BLK1)				Prepared & Analyzed: 12/13/17						
GRO as Hexane	<5.7	5.7	ppmv							
Duplicate (B7L1325-DUP1)			**Source: 7L11011-01**	Prepared & Analyzed: 12/13/17						

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: A5332397
Date Received: 12/11/17
Date Reported: 02/01/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO in Vapor as Hexane - Quality Control										
*Batch B7L1325 - *** DEFAULT PREP ****										
Duplicate (B7L1325-DUP1) Continued			**Source: 7L11011-01**	Prepared & Analyzed: 12/13/17						
GRO as Hexane	**241**	5.7	ppmv		274			12.7	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332397
Project No:	04-NDLA-013	**Date Received:**	12/11/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/01/18

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

1a244

Client:	APEX/The Source Group, Inc.	**Project Name / No.:**	DFSP - Norwalk / 091-NDLA	**Sampler's Name:**	Glenn Androsico
Project Manager:	Neil Irish	**Site Address:**	15306 Norwalk Blvd	**Sampler's Signature:**	Glenn Androsico
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									
Influent	7L11011-01	12-11-17	0857	Air	1	✓	✓	✓							
Effluent	-02	12-11-17	0851	Air	1	✓	✓	✓							

PRIORITY SH
Hrs
Rush 1630 on
Date 12/11/17

AS332397/7L11011

Relinquished by: Glenn Androsico	Date: 12-11-17	Time: 1150	Received by:
Relinquished by:	Date: 12/11/17	Time: 1549	Received by:
Relinquished by:	Date:	Time:	Received by:

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

AMERICAN ANALYTICS

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

January 03, 2018

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk GWETS NPDES Monthly / 04-NDLA-013

A5332400 / 7L11014

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 12/11/17 15:41 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 GWETS NPDES Monthly

AA Project No: A5332400
Date Received: 12/11/17
Date Reported: 01/03/18

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B TPHGASOLINEBTEXOXY					
Surge Tank	7L11014-01	Water	5	12/11/17 10:18	12/11/17 15:41
After GAC-1	7L11014-02	Water	5	12/11/17 10:13	12/11/17 15:41
After GAC-2	7L11014-03	Water	5	12/11/17 10:09	12/11/17 15:41
Arsenic Total EPA 200.7					
Surge Tank	7L11014-01	Water	5	12/11/17 10:18	12/11/17 15:41
After Zeolite Bed-1	7L11014-04	Water	5	12/11/17 10:03	12/11/17 15:41
After Zeolite Bed-2	7L11014-05	Water	5	12/11/17 10:01	12/11/17 15:41
Diesel Range Organics 8015M					
Surge Tank	7L11014-01	Water	5	12/11/17 10:18	12/11/17 15:41
After GAC-1	7L11014-02	Water	5	12/11/17 10:13	12/11/17 15:41
After GAC-2	7L11014-03	Water	5	12/11/17 10:09	12/11/17 15:41

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GWETS NPDES Monthly
Method: TPHG/BTEX/Oxygenates by GC/MS

AA Project No: A5332400
Date Received: 12/11/17
Date Reported: 01/03/18
Units: ug/L

Date Sampled:	12/11/17	12/11/17	12/11/17		
Date Prepared:	12/20/17	12/20/17	12/20/17		
Date Analyzed:	12/21/17	12/21/17	12/21/17		
AA ID No:	7L11014-01	7L11014-02	7L11014-03		
Client ID No:	Surge Tank	After GAC-1	After GAC-2		
Matrix:	Water	Water	Water		
Dilution Factor:	1	1	1	MDL	MRL
8260B TPHGASOLINEBTEXOXY (EPA 8260B)					
tert-Amyl Methyl Ether (TAME)	<0.30	<0.30	<0.30	0.30	2.0
Benzene	**2.8**	<0.20	<0.20	0.20	0.50
tert-Butyl alcohol (TBA)	**8.8 J**	<7.0	<7.0	7.0	10
Diisopropyl ether (DIPE)	<0.50	<0.50	<0.50	0.50	2.0
Ethylbenzene	<0.20	<0.20	<0.20	0.20	0.50
Ethyl-tert-Butyl Ether (ETBE)	<0.40	<0.40	<0.40	0.40	2.0
Gasoline Range Organics (GRO)	<40	<40	<40	40	100
Methyl-tert-Butyl Ether (MTBE)	<0.40	<0.40	<0.40	0.40	2.0
Toluene	<0.30	<0.30	<0.30	0.30	0.50
o-Xylene	<0.30	<0.30	<0.30	0.30	0.50
m,p-Xylenes	<0.40	<0.40	<0.40	0.40	1.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	104%	103%	103%		70-140
Dibromofluoromethane	91%	94%	93%		70-140
Toluene-d8	107%	107%	107%		70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GWETS NPDES Monthly
Method: Diesel Range Organics by GC/FID

AA Project No: A5332400
Date Received: 12/11/17
Date Reported: 01/03/18
Units: ug/L

Date Sampled:	12/11/17	12/11/17	12/11/17		
Date Prepared:	12/21/17	12/21/17	12/21/17		
Date Analyzed:	12/21/17	12/21/17	12/21/17		
AA ID No:	7L11014-01	7L11014-02	7L11014-03		
Client ID No:	Surge Tank	After GAC-1	After GAC-2		
Matrix:	Water	Water	Water		
Dilution Factor:	1	1	1	MDL	MRL
Diesel Range Organics 8015M (EPA 8015M)					
Diesel Range Organics as Diesel	<60	<60	<60	60	100
Surrogates				**%REC Limits**	
o-Terphenyl	81%	67%	71%	50-150	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GWETS NPDES Monthly
Method: Total Metals by ICP Atomic Emission Spectroscopy

AA Project No: A5332400
Date Received: 12/11/17
Date Reported: 01/03/18

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
Arsenic Total EPA 200.7 (EPA 200.7)									
7L11014-01	Surge Tank	12/11/17	12/15/17	12/18/17	1	**0.046**	mg/L	0.006	0.007
7L11014-04	After Zeolite Bed-1	12/11/17	12/15/17	12/18/17	1	**0.022**	mg/L	0.006	0.007
7L11014-05	After Zeolite Bed-2	12/11/17	12/15/17	12/18/17	1	**0.019**	mg/L	0.006	0.007

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332400
Date Received: 12/11/17
Date Reported: 01/03/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
TPHG/BTEX/Oxygenates by GC/MS - Quality Control										
Batch B7L2025 - EPA 5030B										
Blank (B7L2025-BLK1)				Prepared & Analyzed: 12/20/17						
tert-Amyl Methyl Ether (TAME)	<0.30	0.30	ug/L							
Benzene	<0.20	0.20	ug/L							
tert-Butyl alcohol (TBA)	<7.0	7.0	ug/L							
Diisopropyl ether (DIPE)	<0.50	0.50	ug/L							
Ethylbenzene	<0.20	0.20	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<0.40	0.40	ug/L							
Gasoline Range Organics (GRO)	<40	40	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<0.40	0.40	ug/L							
Toluene	<0.30	0.30	ug/L							
o-Xylene	<0.30	0.30	ug/L							
m,p-Xylenes	<0.40	0.40	ug/L							
Surrogate: 4-Bromofluorobenzene	*50.9*		*ug/L*	*50*		*102*	*70-140*			
Surrogate: Dibromofluoromethane	*45.0*		*ug/L*	*50*		*90.1*	*70-140*			
Surrogate: Toluene-d8	*50.8*		*ug/L*	*50*		*102*	*70-140*			
LCS (B7L2025-BS1)				Prepared: 12/20/17 Analyzed: 12/21/17						
tert-Amyl Methyl Ether (TAME)	**21.0**	0.30	ug/L	20		105	70-130			
Benzene	**20.4**	0.20	ug/L	20		102	75-125			
tert-Butyl alcohol (TBA)	**90.1**	7.0	ug/L	100		90.1	70-130			
Diisopropyl ether (DIPE)	**21.4**	0.50	ug/L	20		107	70-130			
Ethylbenzene	**21.0**	0.20	ug/L	20		105	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**20.8**	0.40	ug/L	20		104	70-130			
Gasoline Range Organics (GRO)	**514**	40	ug/L	500		103	70-130			
Methyl-tert-Butyl Ether (MTBE)	**38.9**	0.40	ug/L	40		97.3	70-135			
Toluene	**21.2**	0.30	ug/L	20		106	75-125			
o-Xylene	**20.7**	0.30	ug/L	20		103	75-125			
m,p-Xylenes	**45.7**	0.40	ug/L	40		114	70-130			
Surrogate: 4-Bromofluorobenzene	*52.7*		*ug/L*	*50*		*105*	*70-140*			
Surrogate: Dibromofluoromethane	*52.1*		*ug/L*	*50*		*104*	*70-140*			
Surrogate: Toluene-d8	*53.3*		*ug/L*	*50*		*107*	*70-140*			
Matrix Spike (B7L2025-MS1)				**Source: 7L11013-01** Prepared & Analyzed: 12/20/17						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332400
Date Received: 12/11/17
Date Reported: 01/03/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
TPHG/BTEX/Oxygenates by GC/MS - Quality Control										
Batch B7L2025 - EPA 5030B										
Matrix Spike (B7L2025-MS1) Continued	**Source: 7L11013-01**			Prepared & Analyzed: 12/20/17						
tert-Amyl Methyl Ether (TAME)	**20.8**	0.30	ug/L	20		104	70-130			
Benzene	**19.7**	0.20	ug/L	20		98.3	70-130			
tert-Butyl alcohol (TBA)	**92.4**	7.0	ug/L	100		92.4	70-130			
Diisopropyl ether (DIPE)	**21.1**	0.50	ug/L	20		106	70-130			
Ethylbenzene	**23.5**	0.20	ug/L	20		117	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**20.5**	0.40	ug/L	20		103	70-130			
Methyl-tert-Butyl Ether (MTBE)	**38.8**	0.40	ug/L	40		96.9	70-130			
Toluene	**23.2**	0.30	ug/L	20		116	70-130			
o-Xylene	**21.8**	0.30	ug/L	20		109	70-130			
m,p-Xylenes	**43.9**	0.40	ug/L	40		110	70-130			
Surrogate: 4-Bromofluorobenzene	*51.7*		*ug/L*	*50*		*103*	*70-140*			
Surrogate: Dibromofluoromethane	*47.9*		*ug/L*	*50*		*95.7*	*70-140*			
Surrogate: Toluene-d8	*56.0*		*ug/L*	*50*		*112*	*70-140*			
Matrix Spike Dup (B7L2025-MSD1)	**Source: 7L11013-01**			Prepared: 12/20/17 Analyzed: 12/21/17						
tert-Amyl Methyl Ether (TAME)	**20.9**	0.30	ug/L	20		104	70-130	0.528	30	
Benzene	**20.0**	0.20	ug/L	20		99.8	70-130	1.56	30	
tert-Butyl alcohol (TBA)	**85.3**	7.0	ug/L	100		85.3	70-130	8.07	30	
Diisopropyl ether (DIPE)	**20.8**	0.50	ug/L	20		104	70-130	1.29	30	
Ethylbenzene	**22.3**	0.20	ug/L	20		111	70-130	5.20	30	
Ethyl-tert-Butyl Ether (ETBE)	**20.9**	0.40	ug/L	20		104	70-130	1.69	30	
Methyl-tert-Butyl Ether (MTBE)	**37.8**	0.40	ug/L	40		94.5	70-130	2.46	30	
Toluene	**22.4**	0.30	ug/L	20		112	70-130	3.82	30	
o-Xylene	**21.9**	0.30	ug/L	20		109	70-130	0.366	30	
m,p-Xylenes	**45.6**	0.40	ug/L	40		114	70-130	3.71	30	
Surrogate: 4-Bromofluorobenzene	*50.8*		*ug/L*	*50*		*102*	*70-140*			
Surrogate: Dibromofluoromethane	*47.8*		*ug/L*	*50*		*95.5*	*70-140*			
Surrogate: Toluene-d8	*53.3*		*ug/L*	*50*		*107*	*70-140*			
Diesel Range Organics by GC/FID - Quality Control										
Batch B7L2126 - EPA 3510C										
Blank (B7L2126-BLK1)				Prepared & Analyzed: 12/21/17						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332400
Date Received: 12/11/17
Date Reported: 01/03/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diesel Range Organics by GC/FID - Quality Control										
Batch B7L2126 - EPA 3510C										
Blank (B7L2126-BLK1) Continued				Prepared & Analyzed: 12/21/17						
Diesel Range Organics as Diesel	<60	60	ug/L							
Surrogate: o-Terphenyl	*32.9*		*ug/L*	*40*		*82.2*	*50-150*			
LCS (B7L2126-BS1)				Prepared & Analyzed: 12/21/17						
Diesel Range Organics as Diesel	**606**	60	ug/L	800		75.8	75-125		30	
Surrogate: o-Terphenyl	*39.1*		*ug/L*	*40*		*97.8*	*50-150*			
LCS Dup (B7L2126-BSD1)				Prepared & Analyzed: 12/21/17						
Diesel Range Organics as Diesel	**633**	60	ug/L	800		79.1	75-125	4.35	30	
Surrogate: o-Terphenyl	*36.2*		*ug/L*	*40*		*90.4*	*50-150*			
Total Metals by ICP Atomic Emission Spectroscopy - Quality Control										
Batch B7L1504 - EPA 200.7										
Blank (B7L1504-BLK1)				Prepared: 12/15/17 Analyzed: 12/18/17						
Arsenic	<0.0060	0.0060	mg/L							
LCS (B7L1504-BS1)				Prepared: 12/15/17 Analyzed: 12/18/17						
Arsenic	**1.09**	0.0060	mg/L	1.0		109	80-120		20	
LCS Dup (B7L1504-BSD1)				Prepared: 12/15/17 Analyzed: 12/18/17						
Arsenic	**1.08**	0.0060	mg/L	1.0		108	80-120	0.368	20	
Matrix Spike (B7L1504-MS1)		**Source: 7L11014-05**		Prepared: 12/15/17 Analyzed: 12/18/17						
Arsenic	**1.06**	0.0060	mg/L	1.0	0.0192	104	75-125		20	
Matrix Spike Dup (B7L1504-MSD1)		**Source: 7L11014-05**		Prepared: 12/15/17 Analyzed: 12/18/17						
Arsenic	**1.07**	0.0060	mg/L	1.0	0.0192	105	75-125	1.41	20	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332400
Project No:	04-NDLA-013	**Date Received:**	12/11/17
Project Name:	DFSP Norwalk GWETS NPDES Monthly	**Date Reported:**	01/03/18

Special Notes

J : Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

14247

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

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

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	TPHd 8015M	TPHg/BTEX/Oxys 8260B	Arsenic 200.7	Special Instructions
						Please enter the TAT Turnaround Codes ** below			
Surge Tank	7L11014-01	12-11-17	1018	Water	5	✓	✓	✓	
After GAC-1	-02	↓	1013	Water	4	✓	✓		
After GAC-2	-03		1009	Water	4	✓	✓		
After Zolite Bed-1	-04		1003	Water	1			✓	
After Zolite Bed-2	-05	↓	1001	Water	1			✓	

REVIEWED Date 12/11/17 Time 1630 Sign: TAT (N) Days

AS332400/7L11014

Relinquished by	Date	Time	Received by
Glenn Androsko	12-11-17	1150	
	12/11/17	1541	

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

APPENDIX B

WASTE MANIFESTS

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

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CA8971524360
2. Page 1 of: 1
3. Emergency Response Phone: (310) 241-2834
4. Manifest Tracking Number: 010665494 FLE

GENERATOR

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

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

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

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

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

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. Non-RCRA Hazardous Waste, Solid (Soakease socks impacted with jet fuel)	1	DM	85	P	352		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
ERG #171 - Soakease socks with jet fuel
Apex contact: Glenn Androako
714-608-1089
WEAR ALL APPROPRIATE PROTECTIVE CLOTHING
BESI:286336
1X55
PROFILE # 070128300-8304

FOLD LABEL LINE. AFFIX SIDE OF MATERIAL TAB STIC

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

Generator's/Offeror's Printed/Typed Name: 1000 E.H. WILLIAMS
Signature:
Month: 9 Day: 29 Year: 17

INT'L

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

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: PAUL DELGADO
Signature:
Month: 9 Day: 29 Year: 17
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Jessica Reid
Signature:
Month: 10 Day: 4 Year: 17

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

15306NOR/1679194

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CA8971524360
2. Page 1 of: 1
3. Emergency Response Phone: (310) 241-2834
4. Manifest Tracking Number: 010666075 FLE

GENERATOR

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

Generator's Site Address (if different than mailing address)
DFSP Norwalk
15306 Norwalk Blvd.
Norwalk, CA 90650
U.S. EPA ID Number: CAR000163913

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

7. Transporter 2 Company Name: Nieto and Sons Trucking, Inc.
U.S. EPA ID Number: CAT080016116

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

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, Waste Flammable Liquid, n.o.s., 3, PG II (contains jet fuel and water)	004	DM	200	G	D001	133	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
ERG #126 - Jet fuel and water mixture
Apex contact: Glenn Androsko
714-608-1069
WEAR ALL APPROPRIATE PROTECTIVE CLOTHING
BESI:287593
4X55

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

Generator's/Offeror's Printed/Typed Name: Todd E. H. Williams
Signature:
Month: 10 Day: 30 Year: 17

INT'L

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

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Frank Torres
Signature: Frank Torres
Month: 10 Day: 30 Year: 17

Transporter 2 Printed/Typed Name: José Cabrera
Signature:
Month: 11 Day: 02 Year: 17

DESIGNATED FACILITY

18. Discrepancy

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

Manifest Reference Number:

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

Facility's Phone:

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

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

1.	2.	3.	4.
H039			

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

Printed/Typed Name: JOSLITO COLLADO
Signature:
Month: 11 Day: 02 Year: 17

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

15306NOR/1692905

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CA8971624360	1	(310) 241-2833	009712822 FLE

GENERATOR

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

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

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

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

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

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, Flammable Liquid, n.o.s., 3, PGII (contains jet fuel)	001	TT	700	G	134		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
ERG# 128 / Jet Fuels & Groundwater
SGI/APEX Contact: Glenn Androeska
(714) 606-1089
WEAR ALL APPROPRIATE PROTECTIVE CLOTHING
BESI PO# 290160

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

Generator's/Offeror's Printed/Typed Name: Todd A. Williams
Signature:
Month: 01 Day: 11 Year: 18

INT'L

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

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Richard Dearman
Signature:
Month: 01 Day: 11 Year: 18
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

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

1.	2.	3.	4.
H039			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Rudy Sanchez
Signature:
Month: 01 Day: 11 Year: 18

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

TRANSPORTER'S COPY

1533062
1733062

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A GEO_REPORT FILE

SUCCESS

Your GEO_REPORT file has been successfully submitted!

Submittal Type:	GEO_REPORT
Report Title:	Remediation Status Report Quarter 4, 2017
Report Type:	Progress Report (Soil/GW/ Updates)
Report Date:	2/14/2018
Facility Global ID:	SLT43185183
Facility Name:	Norwalk, Fuel Terminal DFSP - DOD - NORWALK DFSP
File Name:	DFSP Norwalk Remediation Status Report_Q4-17.pdf
Organization Name:	The Source Group, Inc.
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Submittal Date/Time:	2/14/2018 11:06:04 AM
Confirmation Number:	5932049691