DEFENSE LOGISTICS AGENCY
INSTALLATION OPERATIONS ENERGY
8725 JOHN J. KINGMAN ROAD
FT BELVOIR VIRGINIA 22060-6221

November 15, 2017

Mr. Paul Cho
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, Third 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 third 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,

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William Y. Potter
Chief, Restoration Branch

Enclosure
As stated

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

REMEDIATION STATUS REPORT - THIRD QUARTER 2017

DEFENSE FUEL SUPPORT POINT NORWALK
15306 Norwalk Boulevard
Norwalk, California

091-NDLA-0018

Prepared For:

Defense Logistics Agency Installation Operations Energy
8725 John J. Kingman Drive
Fort Belvoir, VA 22060-6222

For Submittal To:

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

Prepared By:

1962 Freeman Avenue
Signal Hill, California 90755

November 15, 2017

Prepared By:

Michael Wood, P.E.
Senior Engineer

Reviewed By:

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

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

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 (Third Quarter 2017 - July 1, 2017 through September 30, 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 (final soil closure report pending). 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 is currently off-line due to soil cleanup activities that were recently completed (final soil closure report pending). Per SGI's June 30, 2017 *Remediation Well Installation Update Report,* biosparge system recommissioning activities continued during the current reporting period with operations anticipated to commence on an expanded basis during late 2017 or early 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 8A through 8K. 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 *Remediation Status Report – First Quarter 2015*, dated May 1, 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 will be provided in SGI's forthcoming *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 the single well that is still online (i.e., TF-16) along with resuming extraction from wells TF-18 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 operated throughout the majority of the reporting period except from early to mid-July 2017 to perform media vessel repair and change out work, as well as from late September 2017 through the end of the reporting period to conduct routine groundwater monitoring and sampling activities. System OM&M details and performance results for the reporting period are summarized in Tables 2A, 2B and 2C.

Performance and compliance water samples from the GWETS were collected during the reporting period on July 19, August 2, and September 13, 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; and
- Biological oxygen demand (BOD) using SM 5210 B.

The GWETS effluent groundwater sampling results were provided under separate cover in SGI's *Groundwater Discharge Monitoring Report,* dated October 13, 2017. A historical summary of influent water analytical sample results is provided in Table 4. The laboratory analytical reports and chain-of-custody documents for these samples are included in Appendix A.

2.2 Soil Vapor Extraction System

During the first month of the reporting period (July 2017), the VES was off-line about half the time to conduct carbon change out and/or maintenance work. System operations otherwise occurred throughout the remainder of the reporting period except for additional carbon change out events during mid-August 2017, as well as early and late September 2017. As discussed in Section 3.2, additional VES wells were tied into the system during the reporting period as part of ongoing 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 relative to prior recent quarters. System OM&M details and performance results for the reporting period are summarized in Tables 3A, 3B and 3C.

Compliance and/or performance soil vapor samples from the VES were collected in Tedlar bags during the reporting period on July 19, August 9, and September 7, 2017. The vapor samples were delivered to ELAP certified American for analysis.

The vapor samples were analyzed for the following:

- TPH quantified as hexane using EPA Method 8015;
- BTEX and MTBE using EPA Method 8260B; and
- TPHg using EPA Method 8015.

A historical summary of influent vapor 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.

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 8A through 8D 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 8E through 8K.

2.5 Biosparge System

Recommissioning of the former biosparge system continued during the reporting period. Additional wells were recently installed per SGI's March 14, 2017 *Well Replacement Report and Work Plan,* and June 30, 2017 *Remediation Well Installation Update Report*, and more wells are planned for installation during the next reporting period per SGI's October 11, 2017 *Addendum to Revised Remedial Action Plan.* 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 recent field reconnaissance work.

3.0 SUMMARY OF REMEDIATION PROGRESS

The following sections describe remedial progress at the Site.

3.1 Groundwater Extraction and Treatment System

During the reporting period, the GWETS extracted groundwater from the northwest (GW-2) and northeast (GW-15 and GW-16) areas of the Site. Well GW-13 remained off-line (determined to not be pumping on June 12, 2017) throughout the current reporting period pending the completion of conveyance line repair/replacement work. The total volume of groundwater extracted by the GWETS this quarter was approximately 516,961 gallons, and an estimated 77,316,317 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 (Third Quarter 2017) was approximately 0.3 pounds (Table 2C), and an estimated 9,945 pounds have been removed since April 1996 (Table 2C).

3.2 Soil Vapor Extraction System

During the beginning of the reporting period, the VES extracted soil vapors from all four horizontal wells that span through the entire former tank farm area (HW-1, HW-3, HW-5 and HW-7). Well HW-3 was subsequently determined to be yielding minimal flow and did not operate during August or September 2017 pending the completion of conveyance line and well screen rehabilitation work. The work began this period with conveyance line flushing and clearing work using pressurized water from a storage truck that was subsequently removed via a vacuum truck. Additional activities that will involve the use of a high-pressure jetting tool is planned for the next reporting period to more aggressively redevelop the screened section since only a minimal increase in flow was realized from this initial phase of work.

Recently installed vertical wells VEW-38, VEW-39 and VEW-40 (tied into the system near the end of the prior reporting period and located in the former truck fueling area; see Figure 2) were again utilized as extraction points for the majority of this period, and several recently installed wells (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) were also brought online during August 2017 following the completion of system tie-in work. Well valves were set to optimize system performance in accordance with recent field readings and/or lab data (except on weekends when the inlet dilution valve was temporarily opened enough to allow operations to continue without any permit required monitoring). 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 (Third Quarter 2017) was approximately 7,350 pounds, and an estimated 2,962,070 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 (Third Quarter 2017), DTW and DTP was measured in well GMW-62 located off site in Holifield Park, and wells GMW-18, GMW-68, 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 18 gallons (124 pounds) of LNAPL was recovered from the Site this period (Tables 8A through 8D) via these techniques.

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 four pneumatically activated product removal pumps 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).

During the current reporting period (Third Quarter 2017), a total of approximately 125 gallons (855 pounds) of LNAPL was pumped from wells TF-16, TF-18 and RTF-18-NW. LNAPL thicknesses in the remaining product recovery system wells (i.e., RTF-18-N, RTF-18-E, RTF-18-W and RTF-18-NNW) were insufficient to allow for the resumption of pumping this period although significantly increasing trends were generally evident from the gauging data. LNAPL gauging results along with cumulative mass and volume removal estimates from all of these wells are summarized in Tables 8E through 8K.

When combined with the product recovery estimate from the preceding section, a total of approximately 143 gallons (979 pounds) of LNAPL was removed from the Site during Third Quarter 2017, and an estimated 6,235 gallons (42,662 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 85% of all the LNAPL recovered from the Site over the last three and a half to four years. The waste manifest associated with the product that was removed from the AST and/or storage drums this period is provided as Appendix B. As the waste manifest indicates, a total of approximately 55 gallons or one storage drum was disposed this period with the remainder of LNAPL collected during Third Quarter 2017 being stored in the AST for disposal during Fourth Quarter 2017.

3.5 Biosparge System

Recommissioning of the former biosparge system continues with dual-nested SVE and biosparge wells RW-1 through RW-34 most recently installed during late June and early July 2017 (Table 1). These wells were installed in accordance with SGI's June 30, 2017 *Remediation Well Installation Update Report* as part of planned remedial expansion activities to target impacts in the northeastern and former truck fueling areas of the Site (Figure 2). Recommissioning work conducted this period included the installation of conveyance piping and control vaults along with a main system control manifold in the northeastern corner of the treatment compound. 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 late 2017 or early 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 and HW-7 concentrations appear to have increased slightly after conducting rehabilitation work in late 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 closing HW-5 during the latter half of the reporting period based on field readings (Table 6A) and lab data (Table 7).

Well HW-3 remained off-line for the remainder of the reporting period after exhibiting only minimal flow following rehabilitation work (more aggressive well screen redevelopment activities using a high-pressure jetting tool planned for Fourth Quarter 2017). Note that wells HW-3 and HW-7 were determined to be incorrectly labeled during the rehabilitation work (i.e., HW-3 incorrectly labeled as HW-7 and vice versa) such that the data presented in Tables 6A and 7 has been corrected accordingly to reflect this updated information.

Vertical wells VEW-32 through VEW-37 were again left off-line this quarter based on continued low/asymptotic field readings (Table 6A) which are consistent with the laboratory results from late June 2017 (Table 7). 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 6A) and laboratory results (Table 7) which show VEW-40 concentrations to be at or near historically high Site-wide levels.

As indicated previously, several new extraction wells were brought online during the 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. These wells were selected based on field readings (Tables 6B and 6C) and laboratory results (Table 7). Vapor extraction from these wells began during August 2017 with increased permit compliance monitoring being concurrently required.

The significant increase in process vapor concentrations resulted in more frequent carbon change outs (Tables 3B and 3C) which will likely continue during at least a portion of the next reporting period while ongoing thermal oxidizer treatment system installation activities continue. It is anticipated that a relatively small temporary unit (i.e., approximately 500 standard cubic feet per minute [scfm]) will initially be brought online during the next reporting period (i.e., since such a system can be procured, permitted and installed within a relatively short time period) followed by the replacement of this interim equipment with an appropriately sized permanent/full-scale thermal oxidizer (i.e., approximately 3,000 scfm) during 2018. Piping installation work to separate the higher and lower concentration wells began during the current reporting period and will continue during the next reporting period to allow for applicable vapor treatment via either the existing GAC emissions VES or future thermal oxidizer. In the meantime, the highest concentration wells will likely not be operated to reduce carbon usage to more reasonable levels.

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 in 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).

As discussed previously, the planned resumption of biosparge system operations next quarter is also going to occur on an expanded basis. 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 8F through 8J, LNAPL recovery sufficient to allow pumping to resume occurred in wells TF-18 and RTF-18-NW during the reporting period, and increasing product thicknesses were otherwise measured in the remaining TF-18 area wells. The only exception was well RTF-18-NNW (Table 8K) where product thicknesses continued to be measured at less than 0.1 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 began this quarter (via the use of a dedicated pump and truck-mounted pumping power equipment) but were no longer necessary during September 2017 (Table 8C).

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 is also planned for the next reporting period in accordance with SGI's *TF-18 Area LNAPL Recovery Report and Interim Work Plan,* dated January 18, 2017. The test results will subsequently be provided and utilized to evaluate the feasibility of system expansion and/or enhanced product recovery with the goal of achieving LNAPL removal to the maximum extent practicable.

5.0 PLANNED FOURTH QUARTER 2017 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 resuming biosparge system operations on an expanded basis. Following is a summary of planned Fourth Quarter 2017 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.
- Begin 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 well HW-3 redevelopment work using a high-pressure jetting tool since only minimal flows are currently possible from this horizontal extraction line which has consequently not been operated 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-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, RTF-18-NW and/or RTF-18-NNW, located in the north-central portion of the Site, with focused efforts in wells where LNAPL yields are the most significant;
- Potentially resume automated product recovery from well GMW-68 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;
- Continue to evaluate GWE flow rates and confirm contaminant containment;
- Complete recommissioning activities associated with the former biosparge system and resume operations on an expanded basis;
- Prepare and submit an updated LNAPL Conceptual Site Model with planned expanded biosparge system and VES details;
- Decrease process concentrations associated with the existing VES by leaving the highest concentration wells off-line to reduce carbon usage to more reasonable levels;

- Deploy and hookup an SCAQMD various locations permitted thermal oxidizer on a temporary basis to allow for the cost-effective treatment of at least some of the highest concentration vapor extraction wells which were recently installed and connected to the system (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 is anticipated to be fully operational within 1-2 months);
- Evaluate if sufficient electrical capacity is currently available to allow the existing GAC emissions VES to be operated in conjunction with the interim thermal oxidizer so that both high and low concentration wells can be treated while required electrical and 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);
- Begin interim thermal oxidizer operations to maximize mass extraction and concurrently operate the existing GAC system, if feasible, or otherwise only run the temporary system until the permanent/full-scale thermal oxidizer can be brought online during 2018;
- Begin required electrical and gas service line upgrade work, as well as site-specific SCAQMD permitting, to allow for future permanent/full-scale thermal oxidizer operations;
- Prepare and submit a final report documenting the activities and results associated with the recently completed aboveground soil treatment project; and
- Conduct enhanced LNAPL recovery testing 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 *Fourth Quarter 2017 Remediation Progress Report* to be submitted by February 15, 2018.

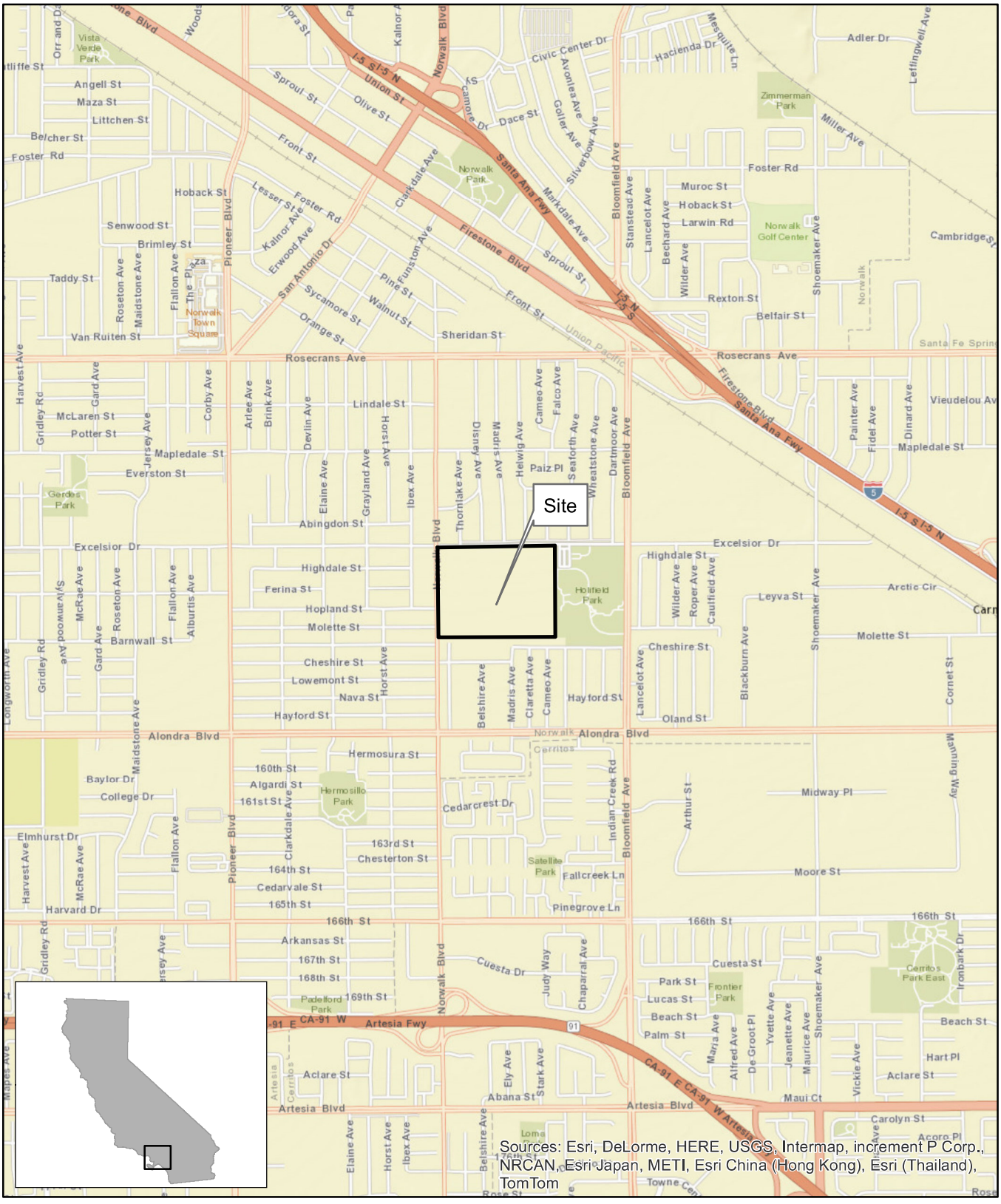
6.0 LIMITATIONS

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



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

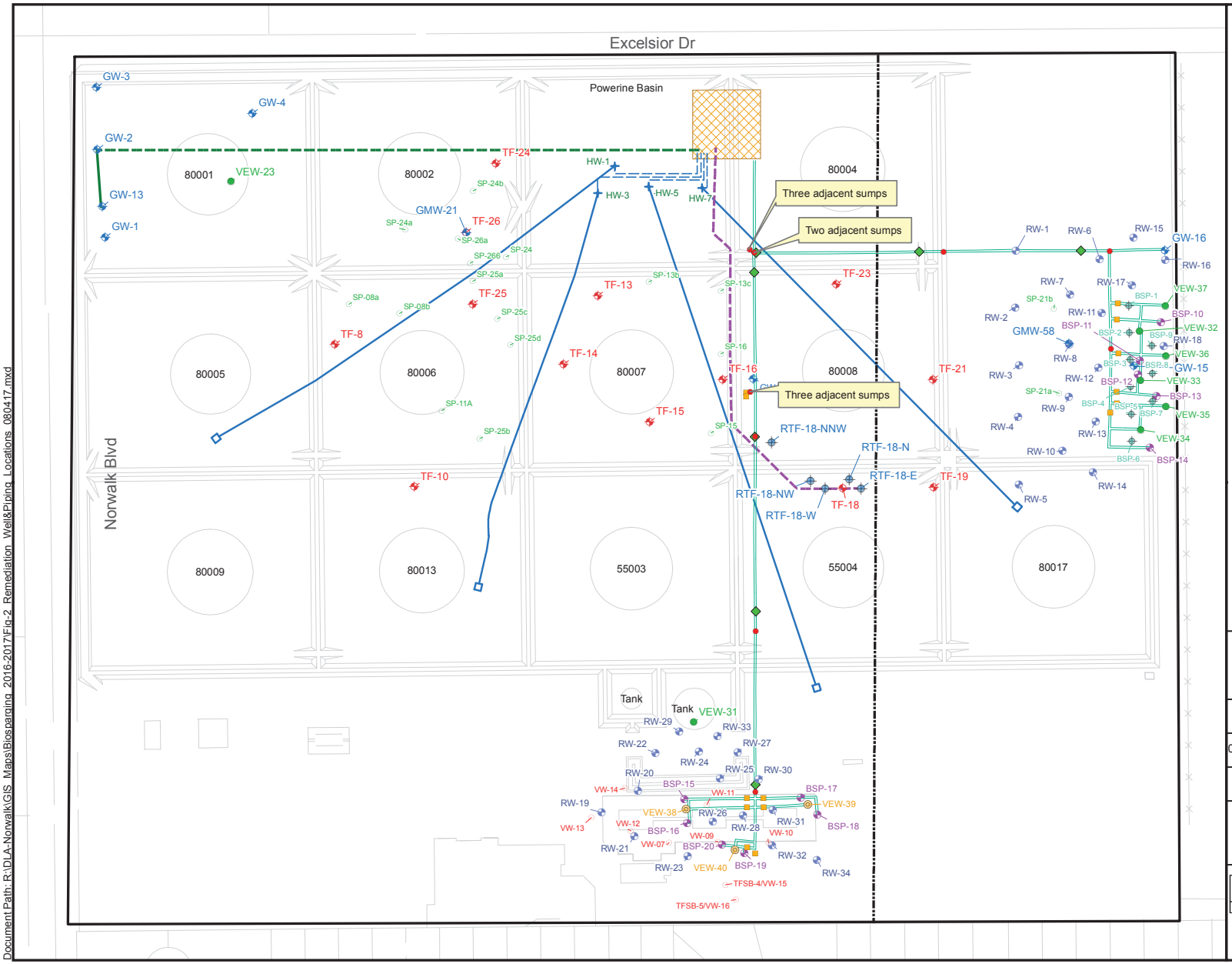
SGI environmental THE SOURCE GROUP, INC.
1962 FREEMAN AVENUE
SIGNAL HILL, CA 90755
(562) 597-1055

DEFENSE FUEL SUPPORT POINT NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

SITE LOCATION MAP

FIGURE 1

Document Name: Fig-1_Norwalk_Site_Location_Map



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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Signal Hill, CA 90755
(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.*

* = Wells listed on prior version of this table (see SGI's May 12, 2017 Remediation Status Report - First Quarter 2017) were either abandoned during December 2014 or January 2015 to allow for the excavation of impacted soil from the area at or surrounding each respective well (i.e., SP-8, SP-9, SP-11, SP-11a, SP-17, SP-17a, SP-20, SP-20a, SP-21, SP-24c, SP-25, VEW-20, VEW-21, VEW-28, VEW-29 and VEW-30; see SGI's forthcoming Shallow Soil Closure Report) or were confirmed to be missing/destroyed during field reconnaissance work conducted on September 21, 2016 (i.e., SP-13, SP-13a, SP-13d, SP-14, SP-14a, SP-14b, SP-14c, SP-15a, SP-18, SP-18a, SP-22, SP-22a, SP-23, SP-23a, SP-23b, SP-23c, VEW-22, VEW-24, VEW-25, VEW-26 and VEW-27).

TABLE 2A

Groundwater Extraction and Treatment System Operations Summary - July

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)
07/01/17	*		307,317	4,208,957	2,617,422	8,203,265	10,820,687	4,516,274	76,802,283	2,927	--	9,945
07/02/17	*		310,185	4,208,957	2,617,422	8,203,265	10,820,687	4,519,142	76,805,209	2,926	--	9,945
07/03/17	Technician	1	313,342	4,208,957	2,617,422	8,203,265	10,820,687	4,522,299	76,808,430	3,221	--	9,945
07/04/17	Off line		313,342	4,208,957	2,617,422	8,203,265	10,820,687	4,522,299	76,808,430	0	--	9,945
07/05/17	Off line		313,342	4,208,957	2,617,422	8,203,265	10,820,687	4,522,299	76,808,430	0	--	9,945
07/06/17	Off line		313,342	4,208,957	2,617,422	8,203,265	10,820,687	4,522,299	76,808,430	0	--	9,945
07/07/17	Off line		313,342	4,208,957	2,617,422	8,203,265	10,820,687	4,522,299	76,808,430	0	--	9,945
07/08/17	Off line		313,342	4,208,957	2,617,422	8,203,265	10,820,687	4,522,299	76,808,430	0	--	9,945
07/09/17	Off line		313,342	4,208,957	2,617,422	8,203,265	10,820,687	4,522,299	76,808,430	0	--	9,945
07/10/17	Off line		313,342	4,208,957	2,617,422	8,203,265	10,820,687	4,522,299	76,808,430	0	--	9,945
07/11/17	Off line		313,342	4,208,957	2,617,422	8,203,265	10,820,687	4,522,299	76,808,430	0	--	9,945
07/12/17	Off line		313,342	4,208,957	2,617,422	8,203,265	10,820,687	4,522,299	76,808,430	0	--	9,945
07/13/17	Off line		313,342	4,208,957	2,617,422	8,203,265	10,820,687	4,522,299	76,808,430	0	--	9,945
07/14/17	Off line		313,342	4,208,957	2,617,422	8,203,265	10,820,687	4,522,299	76,808,430	0	--	9,945
07/15/17	Off line		313,342	4,208,957	2,617,422	8,203,265	10,820,687	4,522,299	76,808,430	0	--	9,945
07/16/17	Off line		313,342	4,208,957	2,617,422	8,203,265	10,820,687	4,522,299	76,808,430	0	--	9,945
07/17/17	Technician	2,3	313,342	4,208,957	2,617,422	8,203,265	10,820,687	4,522,299	76,808,430	0	--	9,945
07/18/17	*		315,856	4,208,957	2,618,771	8,205,055	10,823,826	4,524,813	76,813,834	5,404	--	9,945
07/19/17	Technician	4	318,319	4,208,957	2,620,092	8,206,810	10,826,902	4,527,276	76,819,130	5,296	75	9,945
07/20/17	*		322,000	4,208,957	2,623,323	8,209,906	10,833,229	4,530,957	76,827,418	8,288	--	9,945
07/21/17	*		325,681	4,208,957	2,626,554	8,213,002	10,839,556	4,534,638	76,835,706	8,288	--	9,945
07/22/17	*		329,363	4,208,957	2,629,786	8,216,097	10,845,883	4,538,320	76,843,993	8,288	--	9,945
07/23/17	*		333,044	4,208,957	2,633,017	8,219,193	10,852,210	4,542,001	76,852,281	8,288	--	9,945
07/24/17	*		336,725	4,208,957	2,636,248	8,222,289	10,858,537	4,545,682	76,860,569	8,288	--	9,945
07/25/17	*		340,406	4,208,957	2,639,479	8,225,385	10,864,864	4,549,363	76,868,857	8,288	--	9,945
07/26/17	*		344,087	4,208,957	2,642,710	8,228,481	10,871,191	4,553,044	76,877,145	8,288	--	9,945
07/27/17	Technician		347,743	4,208,957	2,645,919	8,231,555	10,877,474	4,556,700	76,885,375	8,230	--	9,945
07/28/17	*		350,663	4,208,957	2,648,999	8,235,632	10,884,631	4,559,620	76,894,398	9,023	--	9,945
07/29/17	*		353,583	4,208,957	2,652,079	8,239,709	10,891,788	4,562,540	76,903,422	9,023	--	9,945
07/30/17	*		356,503	4,208,957	2,655,159	8,243,787	10,898,946	4,565,460	76,912,445	9,023	--	9,945
07/31/17	*		359,422	4,208,957	2,658,239	8,247,864	10,906,103	4,568,379	76,921,468	9,023	--	9,945

Cumulative Groundwater Discharged by the GWETS to Date (gallons)							
Period	July	Quarter 1, 2017	Quarter 2, 2017	Quarter 3, 2017	Quarter 4, 2017	2017 to Date	April 1996 to Date
Volume	122,112	467,663	487,446	122,112	--	1,077,221	76,921,468

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	July	Quarter 3 to Date	April 1996 to Date
Mass	0.07	0.07	9,944.8

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

Legend / Notes:

1 = GWETS manually shutdown for media vessel repair and change out work.

2 = GWETS restarted following completion of media vessel repair and change out work.

3 = Pumps in wells GW-15 and GW-16 brought back online following completion of maintenance work (off-line since 6/27/17).

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

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: 07/19/17 (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 - August

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)
08/01/17	*		362,342	4,208,957	2,661,319	8,251,941	10,913,260	4,571,299	76,930,492	9,023	--	9,945
08/02/17	Technician	1,2,3	365,262	4,208,957	2,664,399	8,256,018	10,920,417	4,574,219	76,939,515	9,023	80	9,945
08/03/17	*		368,111	4,208,957	2,667,235	8,260,106	10,927,342	4,577,068	76,948,400	8,885	--	9,945
08/04/17	*		370,960	4,208,957	2,670,072	8,264,195	10,934,267	4,579,917	76,957,285	8,885	--	9,945
08/05/17	*		373,808	4,208,957	2,672,908	8,268,283	10,941,191	4,582,765	76,966,170	8,885	--	9,945
08/06/17	*		376,657	4,208,957	2,675,745	8,272,372	10,948,116	4,585,614	76,975,055	8,885	--	9,945
08/07/17	Technician		379,506	4,208,957	2,678,581	8,276,460	10,955,041	4,588,463	76,983,940	8,885	--	9,945
08/08/17	*		382,269	4,208,957	2,681,275	8,280,442	10,961,717	4,591,226	76,992,556	8,616	--	9,945
08/09/17	*		385,033	4,208,957	2,683,969	8,284,424	10,968,393	4,593,990	77,001,172	8,616	--	9,945
08/10/17	*		387,796	4,208,957	2,686,662	8,288,407	10,975,069	4,596,753	77,009,789	8,616	--	9,945
08/11/17	*		390,559	4,208,957	2,689,356	8,292,389	10,981,745	4,599,516	77,018,405	8,616	--	9,945
08/12/17	*		393,323	4,208,957	2,692,050	8,296,371	10,988,421	4,602,280	77,027,021	8,616	--	9,945
08/13/17	*		396,086	4,208,957	2,694,744	8,300,353	10,995,097	4,605,043	77,035,637	8,616	--	9,945
08/14/17	*		398,850	4,208,957	2,697,437	8,304,336	11,001,773	4,607,807	77,044,253	8,616	--	9,945
08/15/17	*		401,613	4,208,957	2,700,131	8,308,318	11,008,449	4,610,570	77,052,870	8,616	--	9,945
08/16/17	*		404,376	4,208,957	2,702,825	8,312,300	11,015,125	4,613,333	77,061,486	8,616	--	9,945
08/17/17	Technician	4	407,370	4,208,957	2,705,743	8,316,614	11,022,357	4,616,327	77,070,820	9,334	--	9,945
08/18/17	*		410,085	4,208,957	2,706,725	8,316,614	11,023,339	4,619,042	77,077,987	7,167	--	9,945
08/19/17	*		412,801	4,208,957	2,707,707	8,316,614	11,024,321	4,621,758	77,085,154	7,167	--	9,945
08/20/17	*		415,516	4,208,957	2,708,689	8,316,614	11,025,303	4,624,473	77,092,322	7,167	--	9,945
08/21/17	*		418,232	4,208,957	2,709,672	8,316,614	11,026,286	4,627,189	77,099,489	7,167	--	9,945
08/22/17	*		420,947	4,208,957	2,710,654	8,316,614	11,027,268	4,629,904	77,106,656	7,167	--	9,945
08/23/17	*		423,663	4,208,957	2,711,636	8,316,614	11,028,250	4,632,620	77,113,823	7,167	--	9,945
08/24/17	*		426,378	4,208,957	2,712,618	8,316,614	11,029,232	4,635,335	77,120,990	7,167	--	9,945
08/25/17	*		429,094	4,208,957	2,713,600	8,316,614	11,030,214	4,638,051	77,128,157	7,167	--	9,945
08/26/17	*		431,809	4,208,957	2,714,582	8,316,614	11,031,196	4,640,766	77,135,325	7,167	--	9,945
08/27/17	*		434,525	4,208,957	2,715,564	8,316,614	11,032,178	4,643,482	77,142,492	7,167	--	9,945
08/28/17	*		437,240	4,208,957	2,716,546	8,316,614	11,033,160	4,646,197	77,149,659	7,167	--	9,945
08/29/17	*		439,956	4,208,957	2,717,529	8,316,614	11,034,143	4,648,913	77,156,826	7,167	--	9,945
08/30/17	Technician	5	442,954	4,208,957	2,718,613	8,316,614	11,035,227	4,651,911	77,164,740	7,914	--	9,945
08/31/17	*		445,173	4,208,957	2,718,613	8,316,614	11,035,227	4,654,130	77,167,945	3,205	--	9,945

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	August	Quarter 1, 2017	Quarter 2, 2017	Quarter 3, 2017	Quarter 4, 2017	2017 to Date	April 1996 to Date
Volume	246,477	467,663	487,446	368,589	--	1,323,698	77,167,945

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	August	Quarter 3 to Date	April 1996 to Date
Mass	0.16	0.24	9,944.9

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

Legend / Notes:

1 = Collected monthly process and intermediate samples for laboratory analysis.

2 = Collected quarterly effluent samples for laboratory analysis.

3 = Measured residual chlorine in the field using HACH Test Kit Model CN-70.

4 = Pumps in well GW-16 manually shut down for repair work.

5 = Pump in well GW-15 manually shut down for repair 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: 08/02/17 (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 - September

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)
09/01/17	*		447,906	4,208,957	2,718,613	8,316,614	11,035,227	4,656,863	77,175,641	7,696	--	9,945
09/02/17	*		450,638	4,208,957	2,718,613	8,316,614	11,035,227	4,659,595	77,183,337	7,696	--	9,945
09/03/17	*		453,371	4,208,957	2,718,613	8,316,614	11,035,227	4,662,328	77,191,033	7,696	--	9,945
09/04/17	*		456,103	4,208,957	2,718,613	8,316,614	11,035,227	4,665,060	77,198,728	7,696	--	9,945
09/05/17	*		458,836	4,208,957	2,718,613	8,316,614	11,035,227	4,667,793	77,206,424	7,696	--	9,945
09/06/17	Technician	1	461,540	4,208,957	2,718,613	0	11,035,227	4,670,497	77,214,040	7,616	--	9,945
09/07/17	*		464,150	4,208,957	2,718,613	6,946	11,042,173	4,673,107	77,218,274	4,234	--	9,945
09/08/17	*		466,761	4,208,957	2,718,613	13,891	11,049,118	4,675,718	77,222,507	4,234	--	9,945
09/09/17	*		469,371	4,208,957	2,718,613	20,837	11,056,064	4,678,328	77,226,741	4,234	--	9,945
09/10/17	*		471,982	4,208,957	2,718,613	27,783	11,063,010	4,680,939	77,230,975	4,234	--	9,945
09/11/17	*		474,592	4,208,957	2,718,613	34,729	11,069,956	4,683,549	77,235,209	4,234	--	9,945
09/12/17	*		477,203	4,208,957	2,718,613	41,675	11,076,901	4,686,160	77,239,442	4,234	--	9,945
09/13/17	Technician	2,3	479,541	4,208,957	0	48,620	11,083,847	4,688,498	77,243,235	3,793	84	9,945
09/14/17	*		482,321	4,208,957	2,176	51,959	11,089,362	4,691,278	77,251,196	7,961	--	9,945
09/15/17	*		485,100	4,208,957	4,351	55,297	11,094,875	4,694,057	77,259,157	7,961	--	9,945
09/16/17	*		487,880	4,208,957	6,527	58,636	11,100,390	4,696,837	77,267,117	7,961	--	9,945
09/17/17	*		490,660	4,208,957	8,702	61,974	11,105,903	4,699,617	77,275,078	7,961	--	9,945
09/18/17	Technician		493,845	4,208,957	10,878	65,800	11,111,905	4,702,802	77,284,200	9,122	--	9,945
09/19/17	*		495,370	4,208,957	12,907	67,288	11,115,423	4,704,327	77,288,973	4,773	--	9,945
09/20/17	*		496,896	4,208,957	14,936	68,777	11,118,940	4,705,853	77,293,746	4,773	--	9,945
09/21/17	*		498,421	4,208,957	16,966	70,265	11,122,458	4,707,378	77,298,518	4,773	--	9,945
09/22/17	*		499,947	4,208,957	18,995	71,753	11,125,975	4,708,904	77,303,291	4,773	--	9,945
09/23/17	*		501,472	4,208,957	21,024	73,241	11,129,493	4,710,429	77,308,064	4,773	--	9,945
09/24/17	*		502,998	4,208,957	23,053	74,730	11,133,010	4,711,955	77,312,837	4,773	--	9,945
09/25/17	Technician	4	504,110	4,208,957	24,533	75,815	11,135,575	4,713,067	77,316,317	3,480	--	9,945
09/26/17	Off line		504,110	4,208,957	24,533	75,815	11,135,575	4,713,067	77,316,317	0	--	9,945
09/27/17	Off line		504,110	4,208,957	24,533	75,815	11,135,575	4,713,067	77,316,317	0	--	9,945
09/28/17	Off line		504,110	4,208,957	24,533	75,815	11,135,575	4,713,067	77,316,317	0	--	9,945
09/29/17	Off line		504,110	4,208,957	24,533	75,815	11,135,575	4,713,067	77,316,317	0	--	9,945
09/30/17	Off line		504,110	4,208,957	24,533	75,815	11,135,575	4,713,067	77,316,317	0	--	9,945

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	September	Quarter 1, 2017	Quarter 2, 2017	Quarter 3, 2017	Quarter 4, 2017	2017 to Date	April 1996 to Date
Volume	148,372	467,663	487,446	516,961	--	1,472,070	77,316,317

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	September	Quarter 3 to Date	April 1996 to Date
Mass	0.10	0.34	9,945.0

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

Legend / Notes:

1 = Pump in well GW-16 brought back online with new totalizer following completion of maintenance work (off-line since 8/17/17).

2 = Pump in well GW-15 brought back online with new totalizer following completion of maintenance work (off-line since 8/30/17).

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

4 = GWETS manually shut down in advance of groundwater monitoring and sampling activities.

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: 09/13/17 (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-15, GW-16

TABLE 3A

Soil Vapor Extraction System Operations Summary - July

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)
07/01/17	Off line		45,740	NA	--	--	--	--	--	2,954,720
07/02/17	Off line		45,740	NA	--	--	--	--	--	2,954,720
07/03/17	Off line		45,740	NA	--	--	--	--	--	2,954,720
07/04/17	Off line		45,740	NA	--	--	--	--	--	2,954,720
07/05/17	Technician	1	45,754	783	4	128	--	286	0.0	2,954,738
07/06/17	Technician		45,782	798	4	134	--	259	0.0	2,954,769
07/07/17	Technician	2	45,790	774	4	130	--	232	0.0	2,954,779
07/08/17	Off line		45,790	NA	--	--	--	--	--	2,954,779
07/09/17	Off line		45,790	NA	--	--	--	--	--	2,954,779
07/10/17	Off line		45,790	NA	--	--	--	--	--	2,954,779
07/11/17	Off line		45,790	NA	--	--	--	--	--	2,954,779
07/12/17	Technician	3	45,807	758	5	130	--	194	0.0	2,954,800
07/13/17	*		45,831	758	--	--	--	--	--	2,954,829
07/14/17	Technician		45,855	785	5	134	--	202	0.0	2,954,860
07/15/17	*		45,879	785	--	--	--	--	--	2,954,890
07/16/17	*		45,903	785	--	--	--	--	--	2,954,920
07/17/17	Technician	4	45,927	749	5	132	--	183	0.0	2,954,949
07/18/17	*		45,951	749	--	--	--	--	--	2,954,978
07/19/17	Technician	5,6	45,975	804	5	126	--	199	0.0	2,955,014
07/20/17	Technician	2	45,983	790	5	125	--	191	0.0	2,955,025
07/21/17	Off line		45,983	NA	--	--	--	--	--	2,955,025
07/22/17	Off line		45,983	NA	--	--	--	--	--	2,955,025
07/23/17	Off line		45,983	NA	--	--	--	--	--	2,955,025
07/24/17	Technician	3	45,998	777	4	126	--	486	0.0	2,955,048
07/25/17	*		46,022	777	--	--	--	--	--	2,955,083
07/26/17	Technician		46,047	798	4	126	--	470	0.0	2,955,118
07/27/17	Technician	7	46,070	804	4	130	--	483	1.2	2,955,155
07/28/17	Technician	8	46,085	798	4	125	--	484	2.2	2,955,177
07/29/17	Off line		46,085	NA	--	--	--	--	--	2,955,177
07/30/17	Off line		46,085	NA	--	--	--	--	--	2,955,177
07/31/17	Off line		46,085	NA	--	--	--	--	--	2,955,177

Cumulative Mass TPHg Removed by the VES [D] (lb)			
Period	July	Quarter 3 to Date	April 1996 to Date
Mass	457	457	2,955,177

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

Legend / Notes:

1 = VES restarted (off-line since 06/30/17) following completion of carbon change out work.
2 = VES manually shut down for maintenance.
3 = VES restarted following completion of maintenance work.
4 = VES temporarily shut down for maintenance.
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 = Collected indivdual well vapor samples for laboratory analysis from recently installed and tied-in wells VEW-38, VEW-39 and VEW-40 (see Table 7 for summary of analytical sampling results).
8 = VES manually shut down in advance of scheduled carbon change out work.

Vapor extraction wells on line this month: HW-1, HW-3, HW-5, HW-7, VEW-38, VEW-39, VEW-40

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: 07/19/17 (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 - August

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)
08/01/17	Off line		46,085	NA	--	--	--	--	--	2,955,177
08/02/17	Technician	1	46,102	817	4	132	--	466	0.0	2,955,203
08/03/17	*		46,126	817	--	--	--	--	--	2,955,239
08/04/17	Technician	2	46,151	775	4	130	--	264	0.0	2,955,274
08/05/17	*		46,175	775	--	--	--	--	--	2,955,309
08/06/17	*		46,199	775	--	--	--	--	--	2,955,344
08/07/17	Technician		46,223	796	4	130	--	426	0.0	2,955,380
08/08/17	Technician		46,247	778	4	132	--	463	0.0	2,955,415
08/09/17	Technician	3,4,5	46,271	784	4	122	563	695	0.0	2,955,577
08/10/17	Technician	6	46,283	769	4	117	--	686	0.3	2,955,654
08/11/17	Off line		46,283	NA	--	--	--	--	--	2,955,654
08/12/17	Off line		46,283	NA	--	--	--	--	--	2,955,654
08/13/17	Off line		46,283	NA	--	--	--	--	--	2,955,654
08/14/17	Technician	1	46,294	765	4	127	--	590	0.0	2,955,727
08/15/17	Technician		46,318	762	4	124	--	597	0.0	2,955,885
08/16/17	Technician	5	46,342	784	4	128	--	605	0.0	2,956,047
08/17/17	Technician		46,366	781	4	130	--	592	0.0	2,956,208
08/18/17	Technician	2	46,390	788	4	126	--	287	0.0	2,956,371
08/19/17	*		46,414	788	--	--	--	--	--	2,956,534
08/20/17	*		46,438	788	--	--	--	--	--	2,956,697
08/21/17	Technician		46,462	794	4	127	--	536	0.0	2,956,861
08/22/17	Technician		46,486	781	4	130	--	530	1.0	2,957,023
08/23/17	Technician		46,510	769	4	119	--	526	0.6	2,957,182
08/24/17	Technician	7	46,528	762	4	127	--	517	0.0	2,957,339
08/25/17	Technician	2	46,552	762	4	120	--	322	0.0	2,957,497
08/26/17	*		46,576	762	--	--	--	--	--	2,957,654
08/27/17	*		46,600	762	--	--	--	--	--	2,957,812
08/28/17	Technician		46,622	736	4	140	--	704	0.0	2,957,964
08/29/17	Technician		46,646	747	4	138	--	748	0.0	2,958,119
08/30/17	Technician		46,670	762	5	139	--	771	0.0	2,958,276
08/31/17	Technician	6	46,685	751	5	135	--	733	3.4	2,958,369

Cumulative Mass TPHg Removed by the VES [A] (lb)			
Period	August	Quarter 3 to Date	April 1996 to Date
Mass	3,192	3,649	2,958,369

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

Legend / Notes:

1 = VES restarted following completion of carbon change out work.
2 = Opened dilution valve approximately 15% for weekend.
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 = Collected indivdual well vapor samples for laboratory analysis from recently installed wells RW-1, RW-2, RW-7, RW-9, RW-12, RW-13, RW-18, RW-20 through -24, RW-26 and/or RW-28 through -33 which were also tied into the VES (see Table 7 for summary of analytical sampling results).
6 = VES manually shut down in advance of carbon change out work.
7 = VES temporarily off-line to conduct carbon change out fieldwork.

Vapor extraction wells on line this month: HW-1, HW-5, HW-7, VEW-38, VEW-39, VEW-40, RW-1, RW-2, RW-7, RW-9, RW-12, RW-13, RW-18, RW-20 through -24, RW-26, and RW-28 through -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: 08/09/17 (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 - September

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)
09/01/17	Off line		46,685	NA	--	--	--	--	--	2,958,369
09/02/17	Off line		46,685	NA	--	--	--	--	--	2,958,369
09/03/17	Off line		46,685	NA	--	--	--	--	--	2,958,369
09/04/17	Off line		46,685	NA	--	--	--	--	--	2,958,369
09/05/17	Technician	1	46,700	742	5	129	--	721	0.0	2,958,468
09/06/17	Technician		46,724	781	--	--	--	--	--	2,958,630
09/07/17	Technician	2,3,4	46,748	769	4	130	612	767	0.0	2,958,802
09/08/17	Technician	5	46,772	754	5	119	--	290	0.0	2,958,972
09/09/17	*		46,796	754	--	--	--	--	--	2,959,141
09/10/17	*		46,820	754	--	--	--	--	--	2,959,311
09/11/17	Technician		46,844	791	4	136	--	738	1.4	2,959,489
09/12/17	Technician		46,869	772	4	128	--	753	3.6	2,959,662
09/13/17	Technician	6	46,884	769	4	126	--	726	7.7	2,959,777
09/14/17	Technician	1	46,893	764	4	119	--	609	0.0	2,959,839
09/15/17	Technician	5	46,917	769	5	128	--	339	0.0	2,960,012
09/16/17	*		46,941	769	--	--	--	--	--	2,960,185
09/17/17	*		46,965	769	--	--	--	--	--	2,960,358
09/18/17	Technician		46,988	768	5	126	--	672	0.0	2,960,531
09/19/17	Technician		47,012	780	4	124	--	641	0	2,960,706
09/20/17	Technician		47,037	765	5	126	--	679	0	2,960,878
09/21/17	Technician		47,061	775	5	121	--	724	0.0	2,961,052
09/22/17	Technician	6	47,069	760	5	125	--	717	0	2,961,112
09/23/17	Off line		47,069	NA	--	--	--	--	--	2,961,112
09/24/17	Off line		47,069	NA	--	--	--	--	--	2,961,112
09/25/17	Technician	1	47,083	768	4	128	--	587	0.0	2,961,208
09/26/17	Technician		47,106	765	4	130	--	700	0	2,961,380
09/27/17	Technician		47,130	769	4	116	--	675	0.0	2,961,553
09/28/17	Technician		47,150	755	4	127	--	660	0.0	2,961,723
09/29/17	Technician	5	47,178	772	4	133	--	317	0.0	2,961,896
09/30/17	*		47,202	772	--	--	--	--	--	2,962,070

Cumulative Mass TPHg Removed by the VES [A] (lb)			
Period	September	Quarter 3 to Date	April 1996 to Date
Mass	3,701	7,350	2,962,070

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

Legend / Notes:

1 = VES restarted following completion of carbon change out work.
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 indivdual well vapor samples for laboratory analysis from recently installed and tied-in wells RW-1, RW-9, RW-13, RW-18, RW-20, RW-22 through -24, RW-26, RW-28 through -33, VEW-38, VEW-39 and VEW-40 (see Table 7 for summary of analytical sampling results).
5 = Opened dilution valve approximately 15% for weekend.
6 = VES manually shut down 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 -24, RW-26, and RW-28 through -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: 09/07/17 (laboratory report attached).

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

TABLE 4
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 4
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 4
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	HW-1, HW-5, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells (See Table 3B)	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		HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells (See Table 3C)	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

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*.

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

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)
03/06/12		--	--	--	--	**28**	<0.50	**1.0**	**9.0**	**1.7**	**13**	**1.1**	**0.37**	<2.0	<2.0
06/15/12		--	--	--	--	**39**	**13**	**17**	**88**	**26**	<10	**1.3**	**0.52**	<2.0	<2.0
08/31/12		--	--	**820**	**940**	--	--	--	--	--	--	--	--	--	--
09/27/12		--	--	**5,300**	**3,800**	--	--	--	--	--	--	--	--	--	--
10/23/12		--	--	--	--	**67**	**60**	**110**	**460**	**140**	<10	<0.50	<2.0	<2.0	<2.0
01/31/13		--	--	**3,600**	--	--	--	--	--	--	--	--	--	--	--
05/01/13		--	--	**6,300**	**5,500**	**20**	**4.7**	**8.0**	**41**	**14**	**4.8**	**0.56**	<2.0	<2.0	<2.0
07/12/13		--	--	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<2.0	<2.0	<2.0
08/20/13		--	--	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<2.0	<2.0	<2.0
12/19/13		--	--	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<2.0	<2.0	<2.0
02/07/14		--	--	**1,500**	**2,300**	--	--	--	--	--	--	--	--	--	--
03/21/14		--	--	--	--	**61**	**5.1**	**23**	**150**	**45**	<10	**0.87**	<2.0	<2.0	<2.0
05/29/14	1	--	8015M & 8260B	--	--	**29**	**1.0**	**30**	**180**	**45**	<10	**1.0**	<2.0	<2.0	<2.0
07/09/14	2	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**720**	**1,800**	**82**	**3.8**	**27**	**110**	**31**	<7.0	<0.40	<0.50	<0.40	<0.30
08/13/14		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**150**	**1,500**	**57**	**3.7**	**30**	**130**	**36**	<7.0	**0.77**	<0.50	<0.40	<0.30
09/17/14		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**800**	**3,500**	**23**	**0.73**	**20**	**170**	**40**	<7.0	**0.83**	<0.50	<0.40	<0.30
10/20/14		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**560**	**3,600**	**31**	**2.2**	**40**	**240**	**54**	<7.0	**0.6**	<0.50	<0.40	<0.30
11/17/14	3,4	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

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)
12/07/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**710**	**3,800**	**0.70**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
01/12/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**2,000**	**510**	**14**	<0.30	**3.6**	**25**	**7.0**	<7.0	<0.40	<0.50	<0.40	<0.30
02/01/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**72 J**	**180**	**13**	<0.30	**0.53**	**2.7**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
03/14/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**270**	**1,100**	**0.91**	<0.30	<0.20	**1.6**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
04/04/16	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**76 J**	**100**	**0.99**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
05/04/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**170**	**470**	<0.20	<0.30	<0.20	**1.3**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
06/01/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**280**	**75 J**	**4.9**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.43 J**	<0.50	<0.40	<0.30
07/11/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**330**	<40	**4.7**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.79 J**	<0.50	<0.40	<0.30
08/01/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**3.7**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
09/01/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**2.7**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
10/12/16	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**230**	<40	**4.5**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
11/01/16	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**120**	**52 J**	**3.1**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
12/05/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**450**	**51 J**	<0.20	<0.30	<0.20	<0.40	<0.30	<7.0	**0.60 J**	<0.50	<0.40	<0.30
01/09/17		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**150**	<40	**4.4**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.58 J**	<0.50	<0.40	<0.30
02/06/17	6	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**110**	<40	**3.5**	<0.30	**0.41 J**	**0.60 J**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
03/15/17	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**68 J**	<40	**4.3**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.60 J**	<0.50	<0.40	<0.30
04/05/17	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**74 J**	<40	**8.4**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
05/03/17		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**72 J**	<40	**4.3**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
06/05/17		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**62 J**	<40	**5.0**	<0.30	<0.20	**0.50 J**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
07/19/17	5	GW-2, GW-15, GW-16	8015M & 8260B	**75 J**	<40	**3.4**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
08/02/17		GW-2, GW-15, GW-16	8015M & 8260B	**80 J**	<40	**4.0**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.88 J**	<0.50	<0.40	<0.30
09/13/17		GW-2, GW-15, GW-16	8015M & 8260B	**84 J**	<40	<0.20	<0.30	<0.20	<0.40	<0.30	<7.0	**0.69 J**	<0.50	<0.40	<0.30

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.

TABLE 6A

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 6A

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	6.7	--	--	--
07/19/17	13	HW-5, HW-7 and VEW-39	--	49	79	286	12	47	9	4.1	6	6.7	550	1,680	9,600
08/09/17	14	HW-1, HW-5, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells (See Table 3B)	192	--	94	236	6	27	8	2.3	4	6.7	540	940	8,000
09/07/17		HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells (See Table 3C)	180	--	60	220	9	20	11	5.5	14	6.7	480	190	9,200

Legend / Notes on Next Page.

TABLE 6A

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*.

* = 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 6B

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	HW-1, HW-5, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells (See Table 3B)	1,268	16	120	1,164	76	2,440	374
09/07/17		HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells (See Table 3C)	3,860	99	495	320	90	2,870	679

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.*

TABLE 6C

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	HW-1, HW-5, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells (See Table 3B)	129	160	1,775	787	1,525	4,340	8,420	620	6,550	7,165	820	1,230
09/07/17		HW-1, HW-7, VEW-38, VEW-39, VEW-40, and Select RW Wells (See Table 3C)	58	110	1,379	141	1,423	3,290	8,080	1,123	8,240	3,400	715	836

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.*

TABLE 7
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
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**	**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	**9**	**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
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	<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
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	**7**	**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
VEW-34	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
	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

TABLE 7
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)
VEW-35	07/09/14	1	8015M & 8260M	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
	04/27/15			4.8	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			16.4	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/17			4.5	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-36	07/09/14	1		6.4	<4.9	<20	<0.2	<0.50	<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
	04/27/15			5.7	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			2.2	**8.1**	**33**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/17			6.7	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-37	07/09/14	1		20	<4.9	<20	<0.2	<0.50	<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
	04/27/15			2.4	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			3.9	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	06/27/17			5.7	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-38	06/27/17	3		331	**37**	**150**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	07/27/17				**490**	**2,000**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	09/07/17				**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
VEW-39	06/27/17	3		130	**37**	**150**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	07/27/17				**1,100**	**4,300**	**0.41**	**1.3**	<0.13	<0.50	**0.78**	**3.4**	<0.12	<0.50	**0.62**	**2.7**	<0.55	<2.0
	09/07/17				**29**	**120**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-40	06/27/17	3		3,018	**2,700**	**11,000**	**0.28**	**0.88**	<0.13	<0.50	**0.99**	**4.3**	<0.12	<0.50	**0.81**	**3.5**	<0.55	<2.0
	07/27/17				**8,800**	**36,000**	**1.4**	**4.4**	<0.13	<0.50	**8.5**	**37**	**0.23**	**1.0**	**5.3**	**23**	<0.55	<2.0
	09/07/17				**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			**1,100**	**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				**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			**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			**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			**1,100**	**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				**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			**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			**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				**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			**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				**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			**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				**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			**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			**1,600**	**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				**1,200**	**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			**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				**83**	**340**	<0.16	<0.50	<0.13	<0.50	**0.25**	**1.1**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
RW-24	08/16/17	4			**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				**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			**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				**3,200**	**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			**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				**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

TABLE 7
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-29	08/09/17	4	8015M & 8260M		**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				**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			**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				**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			**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				**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			**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				**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			**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				**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

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 Analyzed

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.*

* = 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 8A
Summary of LNAPL Removal in Well GMW-18 - 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)
07/05/17	32.55	32.63	0.08	0.0	3.5	0.5	10.2	70.0
07/19/17	0.00	32.66	0.00	0.0	1.3	0.2	10.4	71.3
08/10/17	0.00	33.06	0.00	0.0	1.8	0.3	10.7	73.0
08/24/17	32.97	33.61	0.64	0.0	3.8	0.5	11.2	76.8
08/31/17	33.15	34.03	0.88	0.0	3.8	0.5	11.8	80.5
09/01/17	32.91	33.93	1.02	1.0	No Sock in Well	No Sock in Well	12.8	87.4
09/05/17	33.18	34.42	1.24	1.0	No Sock in Well	No Sock in Well	13.8	94.2
09/07/17	33.36	34.08	0.72	0.5	No Sock in Well	No Sock in Well	14.3	97.7
09/11/17	33.03	33.98	0.95	0.8	No Sock in Well	No Sock in Well	15.0	102.8
09/14/17	32.89	33.63	0.74	0.5	No Sock in Well	No Sock in Well	15.5	106.2
09/18/17	33.02	34.22	1.20	1.0	No Sock in Well	No Sock in Well	16.5	113.1
09/21/17	33.05	34.03	0.98	0.8	No Sock in Well	No Sock in Well	17.3	118.2
09/26/17	32.99	34.15	1.16	1.0	No Sock in Well	No Sock in Well	18.3	125.0

Cumulative for the Reporting Period:	**6.5**	**14.0**	**2.0**	**8.5**	**58.5**
Cumulative Beginning March 2017 [A]:	**7.8**	**72.0**	**10.5**	**18.3**	**125.0**

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

TABLE 8B
Summary of LNAPL Removal in Well GMW-62 - 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)
09/14/17	--	34.12	--	0.0	1.3	0.2	135.9	929.7

Cumulative for the Reporting Period:	**0.0**	**1.3**	**0.2**	**0.2**	**1.2**
Cumulative Beginning January 2014 [A]:	**112.0**	**163.3**	**23.9**	**135.9**	**929.7**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids

feet btc = Feet below top of casing

Sock = LNAPL absorbent sock

-- = Not applicable

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

TABLE 8C
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)
07/05/17	32.47	33.86	1.39	1.0	No Sock in Well	No Sock in Well	38.1	260.8
07/12/17	32.41	33.78	1.37	1.0	No Sock in Well	No Sock in Well	39.1	267.6
07/19/17	32.58	33.97	1.39	1.0	No Sock in Well	No Sock in Well	40.1	274.5
07/20/17	32.81	33.23	0.42	0.3	No Sock in Well	No Sock in Well	40.4	276.2
07/24/17	32.77	33.45	0.68	0.5	No Sock in Well	No Sock in Well	40.9	279.6
07/26/17	32.68	33.15	0.47	0.3	No Sock in Well	No Sock in Well	41.1	281.3
07/31/17	32.78	33.61	0.83	0.5	No Sock in Well	No Sock in Well	41.6	284.7
08/02/17	32.86	33.36	0.50	0.3	No Sock in Well	No Sock in Well	41.9	286.5
08/04/17	32.94	33.36	0.42	0.3	No Sock in Well	No Sock in Well	42.1	288.2
08/07/17	32.96	33.47	0.51	0.3	No Sock in Well	No Sock in Well	42.4	289.9
08/09/17	32.96	33.41	0.45	0.3	No Sock in Well	No Sock in Well	42.6	291.6
08/10/17	33.06	33.32	0.26	0.3	No Sock in Well	No Sock in Well	42.9	293.3
08/14/17	32.99	33.54	0.55	0.3	No Sock in Well	No Sock in Well	43.1	295.0
08/16/17	33.27	33.69	0.42	0.3	No Sock in Well	No Sock in Well	43.4	296.7
08/21/17	33.08	33.64	0.56	0.5	No Sock in Well	No Sock in Well	43.9	300.1
08/24/17	33.14	33.48	0.34	0.3	No Sock in Well	No Sock in Well	44.1	301.9
08/28/17	33.12	33.53	0.41	0.5	No Sock in Well	No Sock in Well	44.6	305.3
08/31/17	33.01	33.35	0.34	0.3	No Sock in Well	No Sock in Well	44.9	307.0
09/07/17	33.29	33.36	0.07	0.0	3.3	0.5	45.3	310.2
09/14/17	33.22	33.35	0.13	0.0	3.3	0.5	45.8	313.5
09/27/17	33.23	33.28	0.05	0.0	3.8	0.5	46.4	317.2

TABLE 8C
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)
Cumulative for the Reporting Period:				**7.8**	**10.3**	**1.5**	**9.2**	**63.3**
Cumulative Beginning October 2016 [A]:				**33.5**	**91.8**	**13.4**	**46.4**	**317.2**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids

feet btc = Feet below top of casing

Sock = LNAPL absorbent sock

-- = Not applicable

A = Cumulative LNAPL removed since October 2016 following installation of well during July 2015 (no measureable product from July 2015 through February 2017).

TABLE 8D
Summary of LNAPL Removal in Well TF-19 - 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 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)
09/14/17	--	32.16	--	0.0	1.5	0.2	28.6	195.4

Cumulative for the Reporting Period:	**0.0**	**1.5**	**0.2**	**0.2**	**1.5**
Cumulative Beginning June 2015 [A]:	**6.8**	**149.3**	**21.8**	**28.6**	**195.4**

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 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 8E
Summary of LNAPL Removal in Well TF-16 - 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)
07/05/17	33.07	34.67	1.60	6.0	No Sock in Well	0.0	151.5	1,036.6
07/12/17	32.99	34.18	1.19	7.0	No Sock in Well	0.0	158.5	1,084.5
07/19/17	33.09	34.09	1.00	7.0	No Sock in Well	0.0	165.5	1,132.4
08/02/17	33.11	34.15	1.04	15.0	No Sock in Well	0.0	180.5	1,235.0
08/10/17	33.24	35.77	2.53	7.0	No Sock in Well	0.0	187.5	1,282.9
08/17/17	33.13	35.65	2.52	4.0	No Sock in Well	0.0	191.5	1,310.3
08/23/17	33.32	35.42	2.10	4.0	No Sock in Well	0.0	195.5	1,337.7
09/07/17	33.68	36.58	2.90	8.0	No Sock in Well	0.0	203.5	1,392.4
09/14/17	33.69	34.62	0.93	4.0	No Sock in Well	0.0	207.5	1,419.8
09/20/17	33.75	35.62	1.87	3.0	No Sock in Well	0.0	210.5	1,440.3
09/27/17	33.84	35.17	1.33	3.0	No Sock in Well	0.0	213.5	1,460.8
09/30/17	--	--	--	1.0	No Sock in Well	0.0	214.5	1,467.7
Cumulative for the Reporting Period:				**69.0**	**0.0**	**0.0**	**69.0**	**472.2**
Cumulative Beginning October 2016 [A]:				**209.3**	**35.8**	**5.2**	**214.5**	**1,467.7**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids

feet btc = Feet below top of casing

Sock = LNAPL absorbent sock

-- = Not applicable

A = Cumulative LNAPL removed since October 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 8F
Summary of LNAPL Removal in Well TF-18 - 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)
08/17/17	31.02	32.06	1.04	4.0	0	0.0	1,969.0	13,474.2
08/23/17	31.08	32.28	1.20	3.0	0	0.0	1,972.0	13,494.7
09/07/17	31.52	33.53	2.01	8.0	0	0.0	1,980.0	13,549.5
09/14/17	31.26	31.92	0.66	3.0	0	0.0	1,983.0	13,570.0
09/20/17	31.43	32.71	1.28	3.0	0	0.0	1,986.0	13,590.6
09/27/17	31.42	33.12	1.70	3.0	0	0.0	1,989.0	13,611.1
09/30/17	--	--	--	1.0	0	0.0	1,990.0	13,617.9

Cumulative for the Reporting Period:	**25.0**	**0.0**	**0.0**	**25.0**	**171.1**
Cumulative Beginning January 2014 - July 2016 [A]:	**266.1**	**307.3**	**44.9**	**311.0**	**2,128.1**
Cumulative Beginning August 2016 - September 2017 [B]:	**1,679.0**	**0.0**	**0.0**	**1,679.0**	**11,489.8**
Cumulative Beginning January 2014 [A]:	**1,945.1**	**307.3**	**44.9**	**1,990.0**	**13,617.9**

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 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 current reporting period (i.e., pumping resumed on August 10, 2017).

TABLE 8G
Summary of LNAPL Removal in Well RTF-18-N - 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)
--	No Pumping/Skimming from Product Recovery System Well During 3rd Quarter 2017							

Cumulative for the Reporting Period:	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning April 2016 - July 2016 [A]:	**47.5**	**0.0**	**0.0**	**47.5**	**325.1**
Cumulative Beginning August 2016 - September 2017 [B]:	**265.0**	**0.0**	**0.0**	**265.0**	**1,813.5**
Cumulative Beginning April 2016 [A]:	**312.5**	**0.0**	**0.0**	**312.5**	**2,138.5**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids

feet btc = Feet below top of casing

Sock = LNAPL absorbent sock

-- = Not applicable

A = Cumulative LNAPL removed since April 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 appears to have occurred over the course of the current reporting period (i.e., pumping scheduled to resume during the next reporting period since the product thickness generally increased from approximately 0.1 to 1.5 feet).

TABLE 8H
Summary of LNAPL Removal in Well RTF-18-E - 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)
--	No Pumping/Skimming from Product Recovery System Well During 3rd Quarter 2017							
Cumulative for the Reporting Period:				**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning May 2016 - July 2016 [A]:				**47.5**	**0.0**	**0.0**	**47.5**	**325.1**
Cumulative Beginning August 2016 - September 2017 [B]:				**548.0**	**0.0**	**0.0**	**548.0**	**3,750.1**
Cumulative Beginning May 2016 [A]:				**595.5**	**0.0**	**0.0**	**595.5**	**4,075.1**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids

feet btc = Feet below top of casing

Sock = LNAPL absorbent sock

-- = Not applicable

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

B = Cumulative LNAPL removed from a pneumatically controlled skimmer installed as part of a product recovery system that started operating on August 8, 2016 (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 appears to have occurred over the course of the current reporting period (i.e., pumping scheduled to resume during the next reporting period since the product thickness generally increased from approximately 0.1 to 1.7 feet).

TABLE 8l
Summary of LNAPL Removal in Well RTF-18-W - 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)
--	No Pumping/Skimming from Product Recovery System Well During 3rd Quarter 2017							

Cumulative for the Reporting Period:	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning April 2016 - July 2016 [A]:	**38.8**	**0.0**	**0.0**	**38.8**	**265.2**
Cumulative Beginning August 2016 - September 2017 [B]:	**42.0**	**0.0**	**0.0**	**42.0**	**287.4**
Cumulative Beginning April 2016 [A]:	**80.8**	**0.0**	**0.0**	**80.8**	**552.6**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids

feet btc = Feet below top of casing

Sock = LNAPL absorbent sock

-- = Not applicable

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

B = Cumulative LNAPL removed from a pneumatically controlled skimmer installed as part of a product recovery system that started operating on August 8, 2016 (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 appears to have occurred over the course of the current reporting period (i.e., pumping scheduled to resume during the next reporting period since the product thickness generally increased from approximately 0.1 to 1.5 feet).

TABLE 8J
Summary of LNAPL Removal in Well RTF-18-NW - 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)
08/17/17	31.19	31.93	0.74	5.0	0	0.0	2,567.5	17,570.0
08/23/17	31.24	32.19	0.95	4.0	0	0.0	2,571.5	17,597.4
09/07/17	31.72	33.46	1.74	10.0	0	0.0	2,581.5	17,665.8
09/14/17	31.43	31.86	0.43	4.0	0	0.0	2,585.5	17,693.2
09/20/17	31.63	32.43	0.80	3.0	0	0.0	2,588.5	17,713.7
09/27/17	31.62	32.89	1.27	4.0	0	0.0	2,592.5	17,741.1
09/30/17	--	--	--	1.0	0	0.0	2,593.5	17,747.9

Cumulative for the Reporting Period:	**31.0**	**0.0**	**0.0**	**31.0**	**212.1**
Cumulative Beginning May 2016 - July 2016 [A]:	**76.5**	**0.0**	**0.0**	**76.5**	**523.5**
Cumulative Beginning August 2016 - September 2017 [B]:	**2,517.0**	**0.0**	**0.0**	**2,517.0**	**17,224.4**
Cumulative Beginning May 2016 [A]:	**2,593.5**	**0.0**	**0.0**	**2,593.5**	**17,747.9**

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 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 current reporting period (i.e., pumping resumed on August 10, 2017).

TABLE 8K
Summary of LNAPL Removal in Well RTF-18-NNW - 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)
--	No Pumping/Skimming from Product Recovery System Well During 3rd 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 0.1 foot at the end of the current reporting period).

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

July 31, 2017

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5332251 / 7G19021

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 07/19/17 12:42 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: A5332251
Date Received: 07/19/17
Date Reported: 07/31/17

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
Influent	7G19021-01	Vapor	5	07/19/17 09:34	07/19/17 12:42
VOCs Gasoline Range Organics Vapor					
Influent	7G19021-01	Vapor	5	07/19/17 09:34	07/19/17 12:42
VOCs GRO Vapor as Hexane					
Influent	7G19021-01	Vapor	5	07/19/17 09:34	07/19/17 12:42

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332251
Project No:	04-NDLA-013	**Date Received:**	07/19/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	07/31/17
Matrix:	Vapor	**Sampled:**	07/19/17
Dilution:	1	**Prepared:**	07/19/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	07/19/17

Influent

7G19021-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**2.4**	ug/L	0.50	**0.75**	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	**1.7**	ug/L	0.50	**0.45**	ppmv	0.13
o-Xylene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
m,p-Xylenes	<1.0	ug/L	1.0	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	86.3 %	70-140
Dibromofluoromethane	95.3 %	70-140
Toluene-d8	91.3 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332251
Project No:	04-NDLA-013	**Date Received:**	07/19/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	07/31/17
Matrix:	Vapor	**Sampled:**	07/19/17
Dilution:	1	**Prepared:**	07/20/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	07/20/17

Influent

7G19021-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**500**	ug/L	20	**120**	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:**	A5332251
Project No:	04-NDLA-013	**Date Received:**	07/19/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	07/31/17
Matrix:	Vapor	**Sampled:**	07/19/17
Dilution:	1	**Prepared:**	07/20/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	07/20/17

Influent

7G19021-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**500**	ug/L	20	**140**	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	109 %	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: A5332251
Date Received: 07/19/17
Date Reported: 07/31/17

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 B7G1935 - *** DEFAULT PREP ****										
Blank (B7G1935-BLK1)				Prepared & Analyzed: 07/19/17						
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	*44.4*		*ug/L*	*50*		*88.9*	*70-140*			
Surrogate: Dibromofluoromethane	*46.0*		*ug/L*	*50*		*92.0*	*70-140*			
Surrogate: Toluene-d8	*46.9*		*ug/L*	*50*		*93.8*	*70-140*			
LCS (B7G1935-BS1)				Prepared & Analyzed: 07/19/17						
Benzene	**23.2**	0.50	ug/L	20		116	75-125			
Ethylbenzene	**19.9**	0.50	ug/L	20		99.6	75-125			
Methyl-tert-Butyl Ether (MTBE)	**35.0**	2.0	ug/L	40		87.6	75-125			
Toluene	**23.8**	0.50	ug/L	20		119	75-125			
o-Xylene	**20.6**	0.50	ug/L	20		103	75-125			
m,p-Xylenes	**44.3**	1.0	ug/L	40		111	75-125			
Surrogate: 4-Bromofluorobenzene	*44.2*		*ug/L*	*50*		*88.4*	*70-140*			
Surrogate: Dibromofluoromethane	*45.8*		*ug/L*	*50*		*91.6*	*70-140*			
Surrogate: Toluene-d8	*49.4*		*ug/L*	*50*		*98.9*	*70-140*			
LCS Dup (B7G1935-BSD1)				Prepared & Analyzed: 07/19/17						
Benzene	**23.2**	0.50	ug/L	20		116	75-125	0.172	30	
Ethylbenzene	**19.8**	0.50	ug/L	20		99.0	75-125	0.554	30	
Methyl-tert-Butyl Ether (MTBE)	**33.8**	2.0	ug/L	40		84.4	75-125	3.63	30	
Toluene	**23.3**	0.50	ug/L	20		116	75-125	2.21	30	
o-Xylene	**19.8**	0.50	ug/L	20		99.2	75-125	3.95	30	
m,p-Xylenes	**42.1**	1.0	ug/L	40		105	75-125	5.14	30	
Surrogate: 4-Bromofluorobenzene	*45.7*		*ug/L*	*50*		*91.4*	*70-140*			
Surrogate: Dibromofluoromethane	*46.8*		*ug/L*	*50*		*93.5*	*70-140*			
Surrogate: Toluene-d8	*50.3*		*ug/L*	*50*		*101*	*70-140*			
Duplicate (B7G1935-DUP1)				**Source: 7G19022-02** Prepared & Analyzed: 07/19/17						

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: A5332251
Date Received: 07/19/17
Date Reported: 07/31/17

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 B7G1935 - *** DEFAULT PREP ****										
Duplicate (B7G1935-DUP1) Continued				**Source: 7G19022-02**			Prepared & Analyzed: 07/19/17			
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	*44.3*		*ug/L*	*50*		*88.5*	*70-140*			
Surrogate: Dibromofluoromethane	*49.4*		*ug/L*	*50*		*98.9*	*70-140*			
Surrogate: Toluene-d8	*44.9*		*ug/L*	*50*		*89.8*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B7G2039 - *** DEFAULT PREP ****										
Blank (B7G2039-BLK1)							Prepared & Analyzed: 07/20/17			
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*46.2*		*ug/L*	*50*		*92.3*	*70-130*			
LCS (B7G2039-BS1)							Prepared & Analyzed: 07/20/17			
Gasoline Range Organics (GRO)	**478**	20	ug/L	500		95.6	75-125			
Surrogate: a,a,a-Trifluorotoluene	*50.2*		*ug/L*	*50*		*100*	*70-130*			
LCS Dup (B7G2039-BSD1)							Prepared & Analyzed: 07/20/17			
Gasoline Range Organics (GRO)	**470**	20	ug/L	500		93.9	75-125	1.74	30	
Surrogate: a,a,a-Trifluorotoluene	*49.6*		*ug/L*	*50*		*99.2*	*70-130*			
Duplicate (B7G2039-DUP1)				**Source: 7G19021-01**			Prepared & Analyzed: 07/20/17			
Gasoline Range Organics (GRO)	**519**	20	ug/L		504			2.76	30	
Surrogate: a,a,a-Trifluorotoluene	*55.8*		*ug/L*	*50*		*112*	*70-130*			
Gasoline Range Organics in Vapor as Hexane - Quality Control										
*Batch B7G2039 - *** DEFAULT PREP ****										
Blank (B7G2039-BLK1)							Prepared & Analyzed: 07/20/17			
GRO as Hexane	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*46.2*		*ug/L*	*50*		*92.3*	*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: A5332251
Date Received: 07/19/17
Date Reported: 07/31/17

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 B7G2039 - *** DEFAULT PREP ****										
LCS (B7G2039-BS1)				Prepared & Analyzed: 07/20/17						
GRO as Hexane	**478**	20	ug/L	500		95.6	75-125			
Surrogate: a,a,a-Trifluorotoluene	*50.2*		*ug/L*	*50*		*100*	*70-130*			
LCS Dup (B7G2039-BSD1)				Prepared & Analyzed: 07/20/17						
GRO as Hexane	**470**	20	ug/L	500		93.9	75-125	1.74	30	
Surrogate: a,a,a-Trifluorotoluene	*49.6*		*ug/L*	*50*		*99.2*	*70-130*			
Duplicate (B7G2039-DUP1)				**Source: 7G19021-01** Prepared & Analyzed: 07/20/17						
GRO as Hexane	**519**	20	ug/L		504			2.76	30	
Surrogate: a,a,a-Trifluorotoluene	*55.8*		*ug/L*	*50*		*112*	*70-130*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332251
Project No:	04-NDLA-013	**Date Received:**	07/19/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	07/31/17

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

13365

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. 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			
Influent	761902 1 - 01	7-19-17	0934	Air	1	✓	✓	✓	
Effluent	- 02	7-19-17	0927	Air	1	✓	✓	✓	

PRIORITY ✓ SH
Rush Hrs
Date 7/19 Time 1615 Sign

17 JUL 19 12:42

A533225 1/761902 1

Relinquished by	Date	Time	Received by
Glenn Androsko	7-19-17	10:45	
Relinquished by	Date	Time	Received by
	7-19-17	12:42	
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

July 31, 2017

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5332254 / 7G19024

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 07/19/17 12:42 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: A5332254
Date Received: 07/19/17
Date Reported: 07/31/17

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B TPHGASOLINEBTEXOXY					
Surge Tank	7G19024-01	Water	5	07/19/17 10:13	07/19/17 12:42
After GAC-1	7G19024-02	Water	5	07/19/17 10:07	07/19/17 12:42
After GAC-2	7G19024-03	Water	5	07/19/17 09:56	07/19/17 12:42
Arsenic Total EPA 200.7					
Surge Tank	7G19024-01	Water	5	07/19/17 10:13	07/19/17 12:42
After Zeolite Bed-1	7G19024-04	Water	5	07/19/17 09:50	07/19/17 12:42
After Zeolite Bed-2	7G19024-05	Water	5	07/19/17 09:48	07/19/17 12:42
Diesel Range Organics 8015M					
Surge Tank	7G19024-01	Water	5	07/19/17 10:13	07/19/17 12:42
After GAC-1	7G19024-02	Water	5	07/19/17 10:07	07/19/17 12:42
After GAC-2	7G19024-03	Water	5	07/19/17 09:56	07/19/17 12:42

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: A5332254
Date Received: 07/19/17
Date Reported: 07/31/17
Units: ug/L

Date Sampled:	07/19/17	07/19/17	07/19/17		
Date Prepared:	07/21/17	07/21/17	07/21/17		
Date Analyzed:	07/21/17	07/21/17	07/21/17		
AA ID No:	7G19024-01	7G19024-02	7G19024-03		
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	**3.4**	<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)	<0.40	<0.40	**0.65 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	100%	100%	101%	70-140	
Dibromofluoromethane	100%	95%	110%	70-140	
Toluene-d8	101%	103%	99%	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: A5332254
Date Received: 07/19/17
Date Reported: 07/31/17
Units: ug/L

Date Sampled:	07/19/17	07/19/17	07/19/17		
Date Prepared:	07/20/17	07/20/17	07/20/17		
Date Analyzed:	07/21/17	07/21/17	07/21/17		
AA ID No:	7G19024-01	7G19024-02	7G19024-03		
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	**75 J**	**62 J**	<60	60	100
Surrogates				**%REC Limits**	
o-Terphenyl	82%	85%	102%	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: A5332254
Date Received: 07/19/17
Date Reported: 07/31/17

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
Arsenic Total EPA 200.7 (EPA 200.7)									
7G19024-01	Surge Tank	07/19/17	07/20/17	07/21/17	1	**0.047**	mg/L	0.006	0.007
7G19024-04	After Zeolite Bed-1	07/19/17	07/20/17	07/21/17	1	**0.024**	mg/L	0.006	0.007
7G19024-05	After Zeolite Bed-2	07/19/17	07/20/17	07/21/17	1	**0.023**	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: A5332254
Date Received: 07/19/17
Date Reported: 07/31/17

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 B7G2103 - EPA 5030B										
Blank (B7G2103-BLK1)				Prepared & Analyzed: 07/21/17						
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	*46.8*		*ug/L*	*50*		*93.6*	*70-140*			
Surrogate: Dibromofluoromethane	*48.7*		*ug/L*	*50*		*97.4*	*70-140*			
Surrogate: Toluene-d8	*48.2*		*ug/L*	*50*		*96.4*	*70-140*			
LCS (B7G2103-BS1)				Prepared & Analyzed: 07/21/17						
tert-Amyl Methyl Ether (TAME)	**17.6**	0.30	ug/L	20		88.2	70-130			
Benzene	**21.8**	0.20	ug/L	20		109	75-125			
tert-Butyl alcohol (TBA)	**81.1**	7.0	ug/L	100		81.1	70-130			
Diisopropyl ether (DIPE)	**17.6**	0.50	ug/L	20		88.2	70-130			
Ethylbenzene	**20.0**	0.20	ug/L	20		99.8	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**17.6**	0.40	ug/L	20		88.0	70-130			
Gasoline Range Organics (GRO)	**559**	40	ug/L	500		112	70-130			
Methyl-tert-Butyl Ether (MTBE)	**34.7**	0.40	ug/L	40		86.7	70-135			
Toluene	**22.8**	0.30	ug/L	20		114	75-125			
o-Xylene	**20.1**	0.30	ug/L	20		101	75-125			
m,p-Xylenes	**43.6**	0.40	ug/L	40		109	70-130			
Surrogate: 4-Bromofluorobenzene	*47.1*		*ug/L*	*50*		*94.3*	*70-140*			
Surrogate: Dibromofluoromethane	*46.0*		*ug/L*	*50*		*92.1*	*70-140*			
Surrogate: Toluene-d8	*51.4*		*ug/L*	*50*		*103*	*70-140*			
Matrix Spike (B7G2103-MS1)				**Source: 7G20011-01** Prepared & Analyzed: 07/21/17						

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: A5332254
Date Received: 07/19/17
Date Reported: 07/31/17

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 B7G2103 - EPA 5030B										
Matrix Spike (B7G2103-MS1) Continued					**Source: 7G20011-01**		Prepared & Analyzed: 07/21/17			
tert-Amyl Methyl Ether (TAME)	**17.2**	0.30	ug/L	20		86.0	70-130			
Benzene	**20.2**	0.20	ug/L	20		101	70-130			
tert-Butyl alcohol (TBA)	**94.5**	7.0	ug/L	100		94.5	70-130			
Diisopropyl ether (DIPE)	**18.0**	0.50	ug/L	20		89.8	70-130			
Ethylbenzene	**20.4**	0.20	ug/L	20		102	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**18.0**	0.40	ug/L	20		89.8	70-130			
Methyl-tert-Butyl Ether (MTBE)	**33.7**	0.40	ug/L	40		84.3	70-130			
Toluene	**22.1**	0.30	ug/L	20		110	70-130			
o-Xylene	**20.7**	0.30	ug/L	20		103	70-130			
m,p-Xylenes	**41.9**	0.40	ug/L	40		105	70-130			
Surrogate: 4-Bromofluorobenzene	*46.5*		*ug/L*	*50*		*93.0*	*70-140*			
Surrogate: Dibromofluoromethane	*43.9*		*ug/L*	*50*		*87.8*	*70-140*			
Surrogate: Toluene-d8	*49.2*		*ug/L*	*50*		*98.4*	*70-140*			
Matrix Spike Dup (B7G2103-MSD1)					**Source: 7G20011-01**		Prepared & Analyzed: 07/21/17			
tert-Amyl Methyl Ether (TAME)	**16.3**	0.30	ug/L	20		81.4	70-130	5.50	30	
Benzene	**18.6**	0.20	ug/L	20		93.2	70-130	8.09	30	
tert-Butyl alcohol (TBA)	**89.4**	7.0	ug/L	100		89.4	70-130	5.55	30	
Diisopropyl ether (DIPE)	**16.0**	0.50	ug/L	20		80.2	70-130	11.4	30	
Ethylbenzene	**20.5**	0.20	ug/L	20		103	70-130	0.831	30	
Ethyl-tert-Butyl Ether (ETBE)	**16.3**	0.40	ug/L	20		81.5	70-130	9.64	30	
Methyl-tert-Butyl Ether (MTBE)	**34.7**	0.40	ug/L	40		86.8	70-130	2.92	30	
Toluene	**22.1**	0.30	ug/L	20		111	70-130	0.136	30	
o-Xylene	**20.1**	0.30	ug/L	20		100	70-130	2.99	30	
m,p-Xylenes	**42.5**	0.40	ug/L	40		106	70-130	1.56	30	
Surrogate: 4-Bromofluorobenzene	*48.0*		*ug/L*	*50*		*96.0*	*70-140*			
Surrogate: Dibromofluoromethane	*44.5*		*ug/L*	*50*		*89.1*	*70-140*			
Surrogate: Toluene-d8	*49.8*		*ug/L*	*50*		*99.5*	*70-140*			
Diesel Range Organics by GC/FID - Quality Control										
Batch B7G2026 - EPA 3510C										
Blank (B7G2026-BLK1)							Prepared: 07/20/17 Analyzed: 07/21/17			

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: A5332254
Date Received: 07/19/17
Date Reported: 07/31/17

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 B7G2026 - EPA 3510C										
Blank (B7G2026-BLK1) Continued				Prepared: 07/20/17 Analyzed: 07/21/17						
Diesel Range Organics as Diesel	<60	60	ug/L							
Surrogate: o-Terphenyl	*42.5*		*ug/L*	*40*		*106*	*50-150*			
LCS (B7G2026-BS1)				Prepared: 07/20/17 Analyzed: 07/21/17						
Diesel Range Organics as Diesel	**767**	60	ug/L	800		95.8	75-125		30	
Surrogate: o-Terphenyl	*50.9*		*ug/L*	*40*		*127*	*50-150*			
LCS Dup (B7G2026-BSD1)				Prepared: 07/20/17 Analyzed: 07/21/17						
Diesel Range Organics as Diesel	**773**	60	ug/L	800		96.7	75-125	0.890	30	
Surrogate: o-Terphenyl	*53.6*		*ug/L*	*40*		*134*	*50-150*			
Total Metals by ICP Atomic Emission Spectroscopy - Quality Control										
Batch B7G2040 - EPA 200.7										
Blank (B7G2040-BLK1)				Prepared: 07/20/17 Analyzed: 07/21/17						
Arsenic	<0.0060	0.0060	mg/L							
LCS (B7G2040-BS1)				Prepared: 07/20/17 Analyzed: 07/21/17						
Arsenic	**1.08**	0.0060	mg/L	1.0		108	80-120		20	
LCS Dup (B7G2040-BSD1)				Prepared: 07/20/17 Analyzed: 07/21/17						
Arsenic	**1.05**	0.0060	mg/L	1.0		105	80-120	1.97	20	
Duplicate (B7G2040-DUP1)			**Source: 7G19023-01**	Prepared: 07/20/17 Analyzed: 07/21/17						
Arsenic	**<0.0060**	0.0060	mg/L						30	
Matrix Spike (B7G2040-MS1)			**Source: 7G19024-05**	Prepared: 07/20/17 Analyzed: 07/21/17						
Arsenic	**1.04**	0.0060	mg/L	1.0	0.0234	101	75-125		20	
Matrix Spike Dup (B7G2040-MSD1)			**Source: 7G19024-05**	Prepared: 07/20/17 Analyzed: 07/21/17						
Arsenic	**1.04**	0.0060	mg/L	1.0	0.0234	101	75-125	0.00	20	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332254
Project No:	04-NDLA-013	**Date Received:**	07/19/17
Project Name:	DFSP Norwalk GWETS NPDES Monthly	**Date Reported:**	07/31/17

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

133668

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)

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	7619024 - 01	7-19-17	1013	Water	5	✓	✓	✓								
After GAC-1	- 02	↓	1007	Water	4	✓	✓									
After GAC-2	- 03		0956	Water	4	✓	✓									
After Zolite Bed-1	- 04		0950	Water	1			✓								
After Zolite Bed-2	- 05	↓	0948	Water	1			✓								

REVIEWED Date 7/19/17 Time 1515 Sign: TAT 1 Days

Relinquished by: Glenn Andrasko	Date: 7-19-17	Time: 1045	Received by: JUL 19 12:42
Relinquished by:	Date: 7-19-17	Time: 12:42	Received by:
Relinquished by:	Date:	Time:	Received by:

AS33254/7619024

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

August 01, 2017

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5332265 / 7G27017

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 07/27/17 16:02 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: A5332265
Date Received: 07/27/17
Date Reported: 08/01/17

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
SouthTrunk Line	7G27017-01	Vapor	5	07/27/17 10:45	07/27/17 16:02
VEW-38	7G27017-02	Vapor	5	07/27/17 11:19	07/27/17 16:02
VEW-39	7G27017-03	Vapor	5	07/27/17 11:23	07/27/17 16:02
VEW-40	7G27017-04	Vapor	5	07/27/17 11:21	07/27/17 16:02
VOCs Gasoline Range Organics Vapor					
SouthTrunk Line	7G27017-01	Vapor	5	07/27/17 10:45	07/27/17 16:02
VEW-38	7G27017-02	Vapor	5	07/27/17 11:19	07/27/17 16:02
VEW-39	7G27017-03	Vapor	5	07/27/17 11:23	07/27/17 16:02
VEW-40	7G27017-04	Vapor	5	07/27/17 11:21	07/27/17 16:02
VOCs GRO Vapor as Hexane					
SouthTrunk Line	7G27017-01	Vapor	5	07/27/17 10:45	07/27/17 16:02
VEW-38	7G27017-02	Vapor	5	07/27/17 11:19	07/27/17 16:02
VEW-39	7G27017-03	Vapor	5	07/27/17 11:23	07/27/17 16:02
VEW-40	7G27017-04	Vapor	5	07/27/17 11:21	07/27/17 16:02

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332265
Project No:	04-NDLA-013	**Date Received:**	07/27/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	08/01/17
Matrix:	Vapor	**Sampled:**	07/27/17
Dilution:	1	**Prepared:**	07/28/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	07/28/17

SouthTrunk Line

7G27017-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**2.0**	ug/L	0.50	**0.63**	ppmv	0.16
Ethylbenzene	**15**	ug/L	0.50	**3.5**	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	**0.54**	ug/L	0.50	**0.12**	ppmv	0.12
m,p-Xylenes	**8.2**	ug/L	1.0	**1.9**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	89.1 %	70-140
Dibromofluoromethane	102 %	70-140
Toluene-d8	93.7 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332265
Project No:	04-NDLA-013	**Date Received:**	07/27/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	08/01/17
Matrix:	Vapor	**Sampled:**	07/27/17
Dilution:	1	**Prepared:**	07/28/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	07/28/17

VEW-38

7G27017-02 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	87.1 %	70-140
Dibromofluoromethane	96.5 %	70-140
Toluene-d8	99.5 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332265
Project No:	04-NDLA-013	**Date Received:**	07/27/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	08/01/17
Matrix:	Vapor	**Sampled:**	07/27/17
Dilution:	1	**Prepared:**	07/28/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	07/28/17

VEW-39

7G27017-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**1.3**	ug/L	0.50	**0.41**	ppmv	0.16
Ethylbenzene	**3.4**	ug/L	0.50	**0.78**	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	**2.7**	ug/L	1.0	**0.62**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	85.6 %	70-140
Dibromofluoromethane	90.4 %	70-140
Toluene-d8	97.9 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332265
Project No:	04-NDLA-013	**Date Received:**	07/27/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	08/01/17
Matrix:	Vapor	**Sampled:**	07/27/17
Dilution:	1	**Prepared:**	07/28/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	07/28/17

VEW-40

7G27017-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**4.4**	ug/L	0.50	**1.4**	ppmv	0.16
Ethylbenzene	**37**	ug/L	0.50	**8.5**	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	**1.0**	ug/L	0.50	**0.23**	ppmv	0.12
m,p-Xylenes	**23**	ug/L	1.0	**5.3**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	90.2 %	70-140
Dibromofluoromethane	92.3 %	70-140
Toluene-d8	93.8 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332265
Project No:	04-NDLA-013	**Date Received:**	07/27/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	08/01/17
Matrix:	Vapor	**Sampled:**	07/27/17
Dilution:	5	**Prepared:**	07/28/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	07/28/17

SouthTrunk Line

7G27017-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**11000**	ug/L	20	**2700**	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:**	A5332265
Project No:	04-NDLA-013	**Date Received:**	07/27/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	08/01/17
Matrix:	Vapor	**Sampled:**	07/27/17
Dilution:	1	**Prepared:**	07/28/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	07/28/17

VEW-38

7G27017-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**2000**	ug/L	20	**490**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	91.5 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332265
Project No:	04-NDLA-013	**Date Received:**	07/27/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	08/01/17
Matrix:	Vapor	**Sampled:**	07/27/17
Dilution:	5	**Prepared:**	07/28/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	07/28/17

VEW-39

7G27017-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**4300**	ug/L	20	**1100**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	99.2 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332265
Project No:	04-NDLA-013	**Date Received:**	07/27/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	08/01/17
Matrix:	Vapor	**Sampled:**	07/27/17
Dilution:	25	**Prepared:**	07/28/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	07/28/17

VEW-40

7G27017-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**36000**	ug/L	20	**8800**	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:**	A5332265
Project No:	04-NDLA-013	**Date Received:**	07/27/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	08/01/17
Matrix:	Vapor	**Sampled:**	07/27/17
Dilution:	5	**Prepared:**	07/28/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	07/28/17

SouthTrunk Line

7G27017-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**11000**	ug/L	20	**3100**	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)	**AA Project No:**	A5332265
Project No:	04-NDLA-013	**Date Received:**	07/27/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	08/01/17
Matrix:	Vapor	**Sampled:**	07/27/17
Dilution:	1	**Prepared:**	07/28/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	07/28/17

VEW-38

7G27017-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**2000**	ug/L	20	**570**	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	91.5 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332265
Project No:	04-NDLA-013	**Date Received:**	07/27/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	08/01/17
Matrix:	Vapor	**Sampled:**	07/27/17
Dilution:	5	**Prepared:**	07/28/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	07/28/17

VEW-39

7G27017-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**4300**	ug/L	20	**1200**	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	99.2 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332265
Project No:	04-NDLA-013	**Date Received:**	07/27/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	08/01/17
Matrix:	Vapor	**Sampled:**	07/27/17
Dilution:	25	**Prepared:**	07/28/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	07/28/17

VEW-40

7G27017-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**36000**	ug/L	20	**10000**	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	107 %	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: A5332265
Date Received: 07/27/17
Date Reported: 08/01/17

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 B7G2809 - *** DEFAULT PREP ****										
Blank (B7G2809-BLK1)				Prepared & Analyzed: 07/28/17						
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	*50.4*		*ug/L*	*50*		*101*	*70-140*			
Surrogate: Dibromofluoromethane	*63.5*		*ug/L*	*50*		*127*	*70-140*			
Surrogate: Toluene-d8	*49.9*		*ug/L*	*50*		*99.8*	*70-140*			
LCS (B7G2809-BS1)				Prepared & Analyzed: 07/28/17						
Benzene	**18.6**	0.50	ug/L	20		93.0	75-125			
Ethylbenzene	**21.1**	0.50	ug/L	20		105	75-125			
Methyl-tert-Butyl Ether (MTBE)	**33.2**	2.0	ug/L	40		82.9	75-125			
Toluene	**22.0**	0.50	ug/L	20		110	75-125			
o-Xylene	**20.9**	0.50	ug/L	20		104	75-125			
m,p-Xylenes	**43.0**	1.0	ug/L	40		107	75-125			
Surrogate: 4-Bromofluorobenzene	*49.5*		*ug/L*	*50*		*99.0*	*70-140*			
Surrogate: Dibromofluoromethane	*43.9*		*ug/L*	*50*		*87.9*	*70-140*			
Surrogate: Toluene-d8	*51.1*		*ug/L*	*50*		*102*	*70-140*			
LCS Dup (B7G2809-BSD1)				Prepared & Analyzed: 07/28/17						
Benzene	**20.3**	0.50	ug/L	20		101	75-125	8.70	30	
Ethylbenzene	**19.5**	0.50	ug/L	20		97.3	75-125	8.04	30	
Methyl-tert-Butyl Ether (MTBE)	**36.7**	2.0	ug/L	40		91.8	75-125	10.1	30	
Toluene	**23.0**	0.50	ug/L	20		115	75-125	4.35	30	
o-Xylene	**20.2**	0.50	ug/L	20		101	75-125	3.16	30	
m,p-Xylenes	**42.9**	1.0	ug/L	40		107	75-125	0.0466	30	
Surrogate: 4-Bromofluorobenzene	*44.8*		*ug/L*	*50*		*89.5*	*70-140*			
Surrogate: Dibromofluoromethane	*43.4*		*ug/L*	*50*		*86.7*	*70-140*			
Surrogate: Toluene-d8	*50.5*		*ug/L*	*50*		*101*	*70-140*			
Duplicate (B7G2809-DUP1)				**Source: 7G27017-01** Prepared & Analyzed: 07/28/17						

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: A5332265
Date Received: 07/27/17
Date Reported: 08/01/17

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 B7G2809 - *** DEFAULT PREP ****										
Duplicate (B7G2809-DUP1) Continued				**Source: 7G27017-01**			Prepared & Analyzed: 07/28/17			
Benzene	**1.63**	0.50	ug/L		2.03			21.9	30	
Ethylbenzene	**10.7**	0.50	ug/L		14.7			31.6	30	
Methyl-tert-Butyl Ether (MTBE)	**<2.0**	2.0	ug/L		<2.0				30	
Toluene	**<0.50**	0.50	ug/L		<0.50				30	
o-Xylene	**<0.50**	0.50	ug/L		0.540			13.9	30	
m,p-Xylenes	**5.93**	1.0	ug/L		8.22			32.4	30	
Surrogate: 4-Bromofluorobenzene	*41.8*		*ug/L*	*50*		*83.6*	*70-140*			
Surrogate: Dibromofluoromethane	*45.9*		*ug/L*	*50*		*91.8*	*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 B7G2811 - *** DEFAULT PREP ****										
Blank (B7G2811-BLK1)							Prepared & Analyzed: 07/28/17			
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*51.6*		*ug/L*	*50*		*103*	*70-130*			
LCS (B7G2811-BS1)							Prepared & Analyzed: 07/28/17			
Gasoline Range Organics (GRO)	**468**	20	ug/L	500		93.6	75-125			
Surrogate: a,a,a-Trifluorotoluene	*47.8*		*ug/L*	*50*		*95.6*	*70-130*			
LCS Dup (B7G2811-BSD1)							Prepared & Analyzed: 07/28/17			
Gasoline Range Organics (GRO)	**488**	20	ug/L	500		97.5	75-125	4.13	30	
Surrogate: a,a,a-Trifluorotoluene	*53.9*		*ug/L*	*50*		*108*	*70-130*			
Duplicate (B7G2811-DUP1)				**Source: 7G27017-02**			Prepared & Analyzed: 07/28/17			
Gasoline Range Organics (GRO)	**2080**	20	ug/L		2030			2.43	30	
Surrogate: a,a,a-Trifluorotoluene	*47.3*		*ug/L*	*50*		*94.5*	*70-130*			
Gasoline Range Organics in Vapor as Hexane - Quality Control										
*Batch B7G2811 - *** DEFAULT PREP ****										
Blank (B7G2811-BLK1)							Prepared & Analyzed: 07/28/17			
GRO as Hexane	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*51.6*		*ug/L*	*50*		*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

AA Project No: A5332265
Date Received: 07/27/17
Date Reported: 08/01/17

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 B7G2811 - *** DEFAULT PREP ****										
LCS (B7G2811-BS1)				Prepared & Analyzed: 07/28/17						
GRO as Hexane	**468**	20	ug/L	500		93.6	75-125			
Surrogate: a,a,a-Trifluorotoluene	*47.8*		*ug/L*	*50*		*95.6*	*70-130*			
LCS Dup (B7G2811-BSD1)				Prepared & Analyzed: 07/28/17						
GRO as Hexane	**488**	20	ug/L	500		97.5	75-125	4.13	30	
Surrogate: a,a,a-Trifluorotoluene	*53.9*		*ug/L*	*50*		*108*	*70-130*			
Duplicate (B7G2811-DUP1)			**Source: 7G27017-02**	Prepared & Analyzed: 07/28/17						
GRO as Hexane	**2080**	20	ug/L		2030			2.43	30	
Surrogate: a,a,a-Trifluorotoluene	*47.3*		*ug/L*	*50*		*94.5*	*70-130*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332265
Project No:	04-NDLA-013	**Date Received:**	07/27/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	08/01/17

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

13413

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

TAT Turnaround Codes **

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

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

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX//MTBE 8260B	Special Instructions
South Trunk Line	7627017-01	7-27-17	1045	Air	1	✓	✓	✓	
VEW-38	02		1119	Air	1	✓	✓	✓	
VEW-39	03		1123	Air	1	✓	✓	✓	
VEW-40	04	↓	1121	Air	1	✓	✓	✓	

SAMPLE INTEGRITY
INTACT Y N TEMP 20°C

PRIORITY ✓ SH
Rush Hrs
Date 7/27/17 Time 1615 Sign

Relinquished by	Date	Time	Received by
Glenn Androski	11-27-17	1430	[signature]
	11-27-17	4:02p	[signature]

A5332265/7627017

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

August 21, 2017

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5332270 / 7H02016

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 08/02/17 14:55 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: A5332270
Date Received: 08/02/17
Date Reported: 08/21/17

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B TPHGASOLINEBTEXOXY					
Surge Tank	7H02016-01	Water	5	08/02/17 09:55	08/02/17 14:55
After GAC-1	7H02016-02	Water	5	08/02/17 09:50	08/02/17 14:55
After GAC-2	7H02016-03	Water	5	08/02/17 09:45	08/02/17 14:55
Arsenic Total EPA 200.7					
Surge Tank	7H02016-01	Water	5	08/02/17 09:55	08/02/17 14:55
After Zeolite Bed-1	7H02016-04	Water	5	08/02/17 09:40	08/02/17 14:55
After Zeolite Bed-2	7H02016-05	Water	5	08/02/17 09:39	08/02/17 14:55
Diesel Range Organics 8015M					
Surge Tank	7H02016-01	Water	5	08/02/17 09:55	08/02/17 14:55
After GAC-1	7H02016-02	Water	5	08/02/17 09:50	08/02/17 14:55
After GAC-2	7H02016-03	Water	5	08/02/17 09:45	08/02/17 14:55

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: A5332270
Date Received: 08/02/17
Date Reported: 08/21/17
Units: ug/L

Date Sampled:	08/02/17	08/02/17	08/02/17		
Date Prepared:	08/04/17	08/04/17	08/04/17		
Date Analyzed:	08/04/17	08/04/17	08/04/17		
AA ID No:	7H02016-01	7H02016-02	7H02016-03		
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	**4.0**	<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)	**0.88 J**	**0.62 J**	**0.94 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	100%	101%	113%		70-140
Dibromofluoromethane	109%	111%	137%		70-140
Toluene-d8	97%	102%	104%		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: A5332270
Date Received: 08/02/17
Date Reported: 08/21/17
Units: ug/L

Date Sampled:	08/02/17	08/02/17	08/02/17		
Date Prepared:	08/09/17	08/09/17	08/09/17		
Date Analyzed:	08/09/17	08/09/17	08/09/17		
AA ID No:	7H02016-01	7H02016-02	7H02016-03		
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	**80 J**	<60	<60	60	100
Surrogates				**%REC Limits**	
o-Terphenyl	143%	144%	121%	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: A5332270
Date Received: 08/02/17
Date Reported: 08/21/17

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
Arsenic Total EPA 200.7 (EPA 200.7)									
7H02016-01	Surge Tank	08/02/17	08/07/17	08/08/17	1	**0.050**	mg/L	0.006	0.007
7H02016-04	After Zeolite Bed-1	08/02/17	08/07/17	08/08/17	1	**0.024**	mg/L	0.006	0.007
7H02016-05	After Zeolite Bed-2	08/02/17	08/07/17	08/08/17	1	**0.022**	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: A5332270
Date Received: 08/02/17
Date Reported: 08/21/17

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 B7H0404 - EPA 5030B										
Blank (B7H0404-BLK1)				Prepared & Analyzed: 08/04/17						
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	*50.4*		*ug/L*	*50*		*101*	*70-140*			
Surrogate: Dibromofluoromethane	*49.4*		*ug/L*	*50*		*98.9*	*70-140*			
Surrogate: Toluene-d8	*50.8*		*ug/L*	*50*		*102*	*70-140*			
LCS (B7H0404-BS1)				Prepared & Analyzed: 08/04/17						
tert-Amyl Methyl Ether (TAME)	**17.7**	0.30	ug/L	20		88.3	70-130			
Benzene	**17.7**	0.20	ug/L	20		88.5	75-125			
tert-Butyl alcohol (TBA)	**84.8**	7.0	ug/L	100		84.8	70-130			
Diisopropyl ether (DIPE)	**16.5**	0.50	ug/L	20		82.6	70-130			
Ethylbenzene	**20.7**	0.20	ug/L	20		103	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**16.6**	0.40	ug/L	20		82.8	70-130			
Gasoline Range Organics (GRO)	**548**	40	ug/L	500		110	70-130			
Methyl-tert-Butyl Ether (MTBE)	**34.0**	0.40	ug/L	40		85.1	70-135			
Toluene	**22.0**	0.30	ug/L	20		110	75-125			
o-Xylene	**21.0**	0.30	ug/L	20		105	75-125			
m,p-Xylenes	**43.6**	0.40	ug/L	40		109	70-130			
Surrogate: 4-Bromofluorobenzene	*47.1*		*ug/L*	*50*		*94.2*	*70-140*			
Surrogate: Dibromofluoromethane	*40.3*		*ug/L*	*50*		*80.7*	*70-140*			
Surrogate: Toluene-d8	*53.2*		*ug/L*	*50*		*106*	*70-140*			
Matrix Spike (B7H0404-MS1)				**Source: 7H02015-01** Prepared & Analyzed: 08/04/17						

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: A5332270
Date Received: 08/02/17
Date Reported: 08/21/17

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 B7H0404 - EPA 5030B										
Matrix Spike (B7H0404-MS1) Continued Source: 7H02015-01 Prepared & Analyzed: 08/04/17										
tert-Amyl Methyl Ether (TAME)	**16.4**	0.30	ug/L	20		82.0	70-130			
Benzene	**18.9**	0.20	ug/L	20		94.6	70-130			
tert-Butyl alcohol (TBA)	**114**	7.0	ug/L	100		114	70-130			
Diisopropyl ether (DIPE)	**17.4**	0.50	ug/L	20		87.0	70-130			
Ethylbenzene	**19.9**	0.20	ug/L	20		99.4	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**18.0**	0.40	ug/L	20		90.0	70-130			
Methyl-tert-Butyl Ether (MTBE)	**40.1**	0.40	ug/L	40		100	70-130			
Toluene	**21.6**	0.30	ug/L	20		108	70-130			
o-Xylene	**20.9**	0.30	ug/L	20		104	70-130			
m,p-Xylenes	**41.1**	0.40	ug/L	40		103	70-130			
Surrogate: 4-Bromofluorobenzene	*48.2*		*ug/L*	*50*		*96.3*	*70-140*			
Surrogate: Dibromofluoromethane	*41.8*		*ug/L*	*50*		*83.6*	*70-140*			
Surrogate: Toluene-d8	*50.0*		*ug/L*	*50*		*99.9*	*70-140*			
Matrix Spike Dup (B7H0404-MSD1) **Source: 7H02015-01** Prepared & Analyzed: 08/04/17										
tert-Amyl Methyl Ether (TAME)	**16.6**	0.30	ug/L	20		82.9	70-130	1.15	30	
Benzene	**18.8**	0.20	ug/L	20		94.2	70-130	0.477	30	
tert-Butyl alcohol (TBA)	**102**	7.0	ug/L	100		102	70-130	11.1	30	
Diisopropyl ether (DIPE)	**17.3**	0.50	ug/L	20		86.4	70-130	0.692	30	
Ethylbenzene	**19.7**	0.20	ug/L	20		98.6	70-130	0.859	30	
Ethyl-tert-Butyl Ether (ETBE)	**16.8**	0.40	ug/L	20		83.8	70-130	7.08	30	
Methyl-tert-Butyl Ether (MTBE)	**38.4**	0.40	ug/L	40		96.0	70-130	4.43	30	
Toluene	**21.2**	0.30	ug/L	20		106	70-130	2.15	30	
o-Xylene	**20.5**	0.30	ug/L	20		102	70-130	2.08	30	
m,p-Xylenes	**41.4**	0.40	ug/L	40		103	70-130	0.630	30	
Surrogate: 4-Bromofluorobenzene	*49.2*		*ug/L*	*50*		*98.3*	*70-140*			
Surrogate: Dibromofluoromethane	*41.9*		*ug/L*	*50*		*83.8*	*70-140*			
Surrogate: Toluene-d8	*50.1*		*ug/L*	*50*		*100*	*70-140*			
Diesel Range Organics by GC/FID - Quality Control										
Batch B7H0911 - EPA 3510C										
Blank (B7H0911-BLK1) Prepared & Analyzed: 08/09/17										

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: A5332270
Date Received: 08/02/17
Date Reported: 08/21/17

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 B7H0911 - EPA 3510C										
Blank (B7H0911-BLK1) Continued				Prepared & Analyzed: 08/09/17						
Diesel Range Organics as Diesel	<60	60	ug/L							
Surrogate: o-Terphenyl	*56.2*		*ug/L*	*40*		*140*	*50-150*			
LCS (B7H0911-BS1)				Prepared & Analyzed: 08/09/17						
Diesel Range Organics as Diesel	**720**	60	ug/L	800		90.0	75-125		30	
Surrogate: o-Terphenyl	*56.1*		*ug/L*	*40*		*140*	*50-150*			
LCS Dup (B7H0911-BSD1)				Prepared & Analyzed: 08/09/17						
Diesel Range Organics as Diesel	**799**	60	ug/L	800		99.9	75-125	10.4	30	
Surrogate: o-Terphenyl	*59.9*		*ug/L*	*40*		*150*	*50-150*			
Total Metals by ICP Atomic Emission Spectroscopy - Quality Control										
Batch B7H0721 - EPA 200.7										
Blank (B7H0721-BLK1)				Prepared: 08/07/17 Analyzed: 08/08/17						
Arsenic	<0.0060	0.0060	mg/L							
LCS (B7H0721-BS1)				Prepared: 08/07/17 Analyzed: 08/08/17						
Arsenic	**1.06**	0.0060	mg/L	1.0		106	80-120		20	
LCS Dup (B7H0721-BSD1)				Prepared: 08/07/17 Analyzed: 08/08/17						
Arsenic	**1.05**	0.0060	mg/L	1.0		105	80-120	1.23	20	
Duplicate (B7H0721-DUP1)			**Source: 7H02016-04**	Prepared: 08/07/17 Analyzed: 08/08/17						
Arsenic	**0.0247**	0.0060	mg/L		0.0238			3.71	30	
Matrix Spike (B7H0721-MS1)			**Source: 7H02015-01**	Prepared: 08/07/17 Analyzed: 08/08/17						
Arsenic	**0.934**	0.0060	mg/L	1.0		93.4	75-125		20	
Matrix Spike Dup (B7H0721-MSD1)			**Source: 7H02015-01**	Prepared: 08/07/17 Analyzed: 08/08/17						
Arsenic	**0.973**	0.0060	mg/L	1.0		97.3	75-125	4.13	20	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332270
Project No:	04-NDLA-013	**Date Received:**	08/02/17
Project Name:	DFSP Norwalk GWETS NPDES Monthly	**Date Reported:**	08/21/17

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

13439

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	7H02016 -01	8-2-17	0955	Water	5	✓	✓	✓	
After GAC-1	-02	↓	0950	Water	4	✓	✓		
After GAC-2	-03		0945	Water	4	✓	✓		
After Zolite Bed-1	-04		0940	Water	1			✓	
After Zolite Bed-2	-05	↓	0939	Water	1			✓	

SAMPLE INTEGRITY
INTACT (Y) N TEMP 4°C

REVIEWED
Date 8/2/17 Time 1630
Sign:
TAT N Days

Relinquished by	Date	Time	Received by
Glenn Androsko	8-2-17	1340	
Relinquished by	Date	Time	Received by
	8-2-17	2:50p	
Relinquished by	Date	Time	Received by

AS332270 / 7H02016

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

September 11, 2017

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5332276 / 7H09016

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 08/09/17 13:31 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332276
Date Received: 08/09/17
Date Reported: 09/11/17

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs by GC/MS Vapor					
Influent	7H09016-01	Vapor	5	08/09/17 08:34	08/09/17 13:31
VOCs Gasoline Range Organics Vapor					
Influent	7H09016-01	Vapor	5	08/09/17 08:34	08/09/17 13:31
VOCs GRO Vapor as Hexane					
Influent	7H09016-01	Vapor	5	08/09/17 08:34	08/09/17 13:31

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332276
Project No:	04-NDLA-013	**Date Received:**	08/09/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/11/17
Matrix:	Vapor	**Sampled:**	08/09/17
Dilution:	1	**Prepared:**	08/10/17
Method:	VOCs in Vapor by GC/MS	**Analyzed:**	08/10/17

Influent

7H09016-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Acetone	<10	ug/L	10	<4.2	ppmv	4.2
Benzene	**2.2**	ug/L	1.0	**0.69**	ppmv	0.31
Bromobenzene	<1.0	ug/L	1.0	<0.16	ppmv	0.16
Bromochloromethane	<1.0	ug/L	1.0	<0.19	ppmv	0.19
Bromodichloromethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Bromoform	<1.0	ug/L	1.0	<0.097	ppmv	0.097
Bromomethane	<1.0	ug/L	1.0	<0.26	ppmv	0.26
2-Butanone (MEK)	<10	ug/L	10	<3.4	ppmv	3.4
tert-Butylbenzene	<1.0	ug/L	1.0	<0.18	ppmv	0.18
sec-Butylbenzene	<1.0	ug/L	1.0	<0.18	ppmv	0.18
n-Butylbenzene	<1.0	ug/L	1.0	<0.18	ppmv	0.18
Carbon Disulfide	<1.0	ug/L	1.0	<0.32	ppmv	0.32
Carbon Tetrachloride	<1.0	ug/L	1.0	<0.16	ppmv	0.16
Chlorobenzene	<1.0	ug/L	1.0	<0.22	ppmv	0.22
Chloroethane	<1.0	ug/L	1.0	<0.38	ppmv	0.38
Chloroform	<1.0	ug/L	1.0	<0.20	ppmv	0.20
Chloromethane	<1.0	ug/L	1.0	<0.48	ppmv	0.48
4-Chlorotoluene	<1.0	ug/L	1.0	<0.19	ppmv	0.19
2-Chlorotoluene	<1.0	ug/L	1.0	<0.19	ppmv	0.19
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	<0.10	ppmv	0.10
Dibromochloromethane	<1.0	ug/L	1.0	<0.12	ppmv	0.12

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332276
Project No:	04-NDLA-013	**Date Received:**	08/09/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/11/17
Matrix:	Vapor	**Sampled:**	08/09/17
Dilution:	1	**Prepared:**	08/10/17
Method:	VOCs in Vapor by GC/MS	**Analyzed:**	08/10/17

Influent

7H09016-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	<0.13	ppmv	0.13
Dibromomethane	<1.0	ug/L	1.0	<0.14	ppmv	0.14
1,2-Dichlorobenzene	<1.0	ug/L	1.0	<0.17	ppmv	0.17
1,4-Dichlorobenzene	<1.0	ug/L	1.0	<0.17	ppmv	0.17
1,3-Dichlorobenzene	<1.0	ug/L	1.0	<0.17	ppmv	0.17
Dichlorodifluoromethane (R12)	<1.0	ug/L	1.0	<0.20	ppmv	0.20
1,1-Dichloroethane	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,2-Dichloroethane (EDC)	<1.0	ug/L	1.0	<0.25	ppmv	0.25
cis-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
trans-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,1-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
2,2-Dichloropropane	<1.0	ug/L	1.0	<0.22	ppmv	0.22
1,2-Dichloropropane	<1.0	ug/L	1.0	<0.22	ppmv	0.22
1,3-Dichloropropane	<1.0	ug/L	1.0	<0.22	ppmv	0.22
cis-1,3-Dichloropropylene	<1.0	ug/L	1.0	<0.22	ppmv	0.22
1,1-Dichloropropylene	<1.0	ug/L	1.0	<0.22	ppmv	0.22
trans-1,3-Dichloropropylene	<1.0	ug/L	1.0	<0.22	ppmv	0.22
Ethylbenzene	**2.3**	ug/L	1.0	**0.53**	ppmv	0.23
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	ug/L	5.0	<0.65	ppmv	0.65
Hexachlorobutadiene	<1.0	ug/L	1.0	<0.094	ppmv	0.094

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332276
Project No:	04-NDLA-013	**Date Received:**	08/09/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/11/17
Matrix:	Vapor	**Sampled:**	08/09/17
Dilution:	1	**Prepared:**	08/10/17
Method:	VOCs in Vapor by GC/MS	**Analyzed:**	08/10/17

Influent

7H09016-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
2-Hexanone (MBK)	<10	ug/L	10	<2.4	ppmv	2.4
Isopropylbenzene	<1.0	ug/L	1.0	<0.20	ppmv	0.20
4-Isopropyltoluene	<1.0	ug/L	1.0	<0.18	ppmv	0.18
Methyl-tert-Butyl Ether (MTBE)	<5.0	ug/L	5.0	<1.4	ppmv	1.4
Methylene Chloride	<5.0	ug/L	5.0	<1.4	ppmv	1.4
4-Methyl-2-pentanone (MIBK)	<10	ug/L	10	<2.4	ppmv	2.4
Naphthalene	<2.0	ug/L	2.0	<0.38	ppmv	0.38
n-Propylbenzene	<1.0	ug/L	1.0	<0.20	ppmv	0.20
Styrene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Tetrachloroethylene (PCE)	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Toluene	**1.1**	ug/L	1.0	**0.29**	ppmv	0.27
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	<0.13	ppmv	0.13
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	<0.13	ppmv	0.13
1,1,2-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,1-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18
Trichloroethylene (TCE)	<1.0	ug/L	1.0	<0.19	ppmv	0.19
Trichlorofluoromethane (R11)	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,2,3-Trichloropropane	<1.0	ug/L	1.0	<0.17	ppmv	0.17
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	<0.20	ppmv	0.20

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332276
Project No:	04-NDLA-013	**Date Received:**	08/09/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/11/17
Matrix:	Vapor	**Sampled:**	08/09/17
Dilution:	1	**Prepared:**	08/10/17
Method:	VOCs in Vapor by GC/MS	**Analyzed:**	08/10/17

Influent

7H09016-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	<0.20	ppmv	0.20
Vinyl chloride	<1.0	ug/L	1.0	<0.39	ppmv	0.39
o-Xylene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
m,p-Xylenes	**1.9**	ug/L	1.0	**0.44**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	86.3 %	70-140
Dibromofluoromethane	105 %	70-140
Toluene-d8	91.9 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332276
Project No:	04-NDLA-013	**Date Received:**	08/09/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/11/17
Matrix:	Vapor	**Sampled:**	08/09/17
Dilution:	1	**Prepared:**	08/09/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	08/09/17

Influent

7H09016-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**2300**	ug/L	20	**560**	ppmv	4.9

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332276
Project No:	04-NDLA-013	**Date Received:**	08/09/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/11/17
Matrix:	Vapor	**Sampled:**	08/09/17
Dilution:	1	**Prepared:**	08/09/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	08/09/17

Influent

7H09016-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**2300**	ug/L	20	**650**	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	101 %	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: A5332276
Date Received: 08/09/17
Date Reported: 09/11/17

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor by GC/MS - Quality Control										
*Batch B7I1123 - *** DEFAULT PREP ****										
Blank (B7I1123-BLK1)				Prepared & Analyzed: 08/10/17						
Acetone	<10	10	ug/L							
Benzene	<1.0	1.0	ug/L							
Bromobenzene	<1.0	1.0	ug/L							
Bromochloromethane	<1.0	1.0	ug/L							
Bromodichloromethane	<1.0	1.0	ug/L							
Bromoform	<1.0	1.0	ug/L							
Bromomethane	<1.0	1.0	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
tert-Butylbenzene	<1.0	1.0	ug/L							
sec-Butylbenzene	<1.0	1.0	ug/L							
n-Butylbenzene	<1.0	1.0	ug/L							
Carbon Disulfide	<1.0	1.0	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Chlorobenzene	<1.0	1.0	ug/L							
Chloroethane	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
Chloromethane	<1.0	1.0	ug/L							
4-Chlorotoluene	<1.0	1.0	ug/L							
2-Chlorotoluene	<1.0	1.0	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Dibromochloromethane	<1.0	1.0	ug/L							
1,2-Dibromoethane (EDB)	<1.0	1.0	ug/L							
Dibromomethane	<1.0	1.0	ug/L							
1,2-Dichlorobenzene	<1.0	1.0	ug/L							
1,4-Dichlorobenzene	<1.0	1.0	ug/L							
1,3-Dichlorobenzene	<1.0	1.0	ug/L							
Dichlorodifluoromethane (R12)	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
1,2-Dichloroethane (EDC)	<1.0	1.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							

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: A5332276
Date Received: 08/09/17
Date Reported: 09/11/17

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor by GC/MS - Quality Control										
*Batch B7I1123 - *** DEFAULT PREP ****										
Blank (B7I1123-BLK1) Continued				Prepared & Analyzed: 08/10/17						
1,1-Dichloroethylene	<1.0	1.0	ug/L							
2,2-Dichloropropane	<1.0	1.0	ug/L							
1,2-Dichloropropane	<1.0	1.0	ug/L							
1,3-Dichloropropane	<1.0	1.0	ug/L							
cis-1,3-Dichloropropylene	<1.0	1.0	ug/L							
1,1-Dichloropropylene	<1.0	1.0	ug/L							
trans-1,3-Dichloropropylene	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	5.0	ug/L							
Hexachlorobutadiene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<10	10	ug/L							
Isopropylbenzene	<1.0	1.0	ug/L							
4-Isopropyltoluene	<1.0	1.0	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<5.0	5.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/L							
Naphthalene	<2.0	2.0	ug/L							
n-Propylbenzene	<1.0	1.0	ug/L							
Styrene	<1.0	1.0	ug/L							
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
Tetrachloroethylene (PCE)	<1.0	1.0	ug/L							
Toluene	<1.0	1.0	ug/L							
1,2,3-Trichlorobenzene	<1.0	1.0	ug/L							
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
Trichloroethylene (TCE)	<1.0	1.0	ug/L							
Trichlorofluoromethane (R11)	<1.0	1.0	ug/L							
1,2,3-Trichloropropane	<1.0	1.0	ug/L							
1,3,5-Trimethylbenzene	<1.0	1.0	ug/L							

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: A5332276
Date Received: 08/09/17
Date Reported: 09/11/17

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor by GC/MS - Quality Control										
*Batch B7I1123 - *** DEFAULT PREP ****										
Blank (B7I1123-BLK1) Continued				Prepared & Analyzed: 08/10/17						
1,2,4-Trimethylbenzene	<1.0	1.0	ug/L							
Vinyl chloride	<1.0	1.0	ug/L							
o-Xylene	<1.0	1.0	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*49.8*		*ug/L*	*50*		*99.5*	*70-140*			
Surrogate: Dibromofluoromethane	*52.5*		*ug/L*	*50*		*105*	*70-140*			
Surrogate: Toluene-d8	*51.3*		*ug/L*	*50*		*103*	*70-140*			
LCS (B7I1123-BS1)				Prepared & Analyzed: 08/10/17						
Acetone	**23.0**	10	ug/L	20		115	75-125			
Benzene	**19.6**	1.0	ug/L	20		97.9	75-125			
Bromobenzene	**20.5**	1.0	ug/L	20		103	75-125			
Bromochloromethane	**22.9**	1.0	ug/L	20		115	75-125			
Bromodichloromethane	**15.3**	1.0	ug/L	20		76.6	75-125			
Bromoform	**16.1**	1.0	ug/L	20		80.6	75-125			
Bromomethane	**23.6**	1.0	ug/L	20		118	75-125			
2-Butanone (MEK)	**22.0**	10	ug/L	20		110	75-125			
tert-Butylbenzene	**21.1**	1.0	ug/L	20		106	75-125			
sec-Butylbenzene	**23.0**	1.0	ug/L	20		115	75-125			
n-Butylbenzene	**22.9**	1.0	ug/L	20		115	75-125			
Carbon Disulfide	**18.5**	1.0	ug/L	20		92.7	75-125			
Carbon Tetrachloride	**16.6**	1.0	ug/L	20		82.8	75-125			
Chlorobenzene	**22.6**	1.0	ug/L	20		113	75-125			
Chloroethane	**23.1**	1.0	ug/L	20		115	75-125			
Chloroform	**17.5**	1.0	ug/L	20		87.5	75-125			
Chloromethane	**24.6**	1.0	ug/L	20		123	75-125			
4-Chlorotoluene	**20.4**	1.0	ug/L	20		102	75-125			
2-Chlorotoluene	**20.0**	1.0	ug/L	20		99.8	75-125			
1,2-Dibromo-3-chloropropane	**20.4**	1.0	ug/L	20		102	75-125			
Dibromochloromethane	**17.3**	1.0	ug/L	20		86.4	75-125			
1,2-Dibromoethane (EDB)	**19.0**	1.0	ug/L	20		95.2	75-125			
Dibromomethane	**16.3**	1.0	ug/L	20		81.5	75-125			

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: A5332276
Date Received: 08/09/17
Date Reported: 09/11/17

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor by GC/MS - Quality Control										
*Batch B7I1123 - *** DEFAULT PREP ****										
LCS (B7I1123-BS1) Continued				Prepared & Analyzed: 08/10/17						
1,2-Dichlorobenzene	**20.6**	1.0	ug/L	20		103	75-125			
1,4-Dichlorobenzene	**20.9**	1.0	ug/L	20		105	75-125			
1,3-Dichlorobenzene	**20.2**	1.0	ug/L	20		101	75-125			
Dichlorodifluoromethane (R12)	**25.0**	1.0	ug/L	20		125	75-125			
1,1-Dichloroethane	**18.0**	1.0	ug/L	20		90.2	75-125			
1,2-Dichloroethane (EDC)	**17.2**	1.0	ug/L	20		85.8	75-125			
cis-1,2-Dichloroethylene	**22.2**	1.0	ug/L	20		111	75-125			
trans-1,2-Dichloroethylene	**23.3**	1.0	ug/L	20		116	75-125			
1,1-Dichloroethylene	**21.7**	1.0	ug/L	20		108	75-125			
2,2-Dichloropropane	**16.1**	1.0	ug/L	20		80.6	75-125			
1,2-Dichloropropane	**16.6**	1.0	ug/L	20		83.2	75-125			
1,3-Dichloropropane	**17.4**	1.0	ug/L	20		87.2	75-125			
cis-1,3-Dichloropropylene	**16.5**	1.0	ug/L	20		82.4	75-125			
1,1-Dichloropropylene	**18.2**	1.0	ug/L	20		91.1	75-125			
trans-1,3-Dichloropropylene	**16.7**	1.0	ug/L	20		83.4	75-125			
Ethylbenzene	**21.6**	1.0	ug/L	20		108	75-125			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**21.0**	5.0	ug/L	20		105	75-125			
Hexachlorobutadiene	**21.1**	1.0	ug/L	20		106	75-125			
2-Hexanone (MBK)	**20.0**	10	ug/L	20		99.8	75-125			
Isopropylbenzene	**21.9**	1.0	ug/L	20		110	75-125			
4-Isopropyltoluene	**22.4**	1.0	ug/L	20		112	75-125			
Methyl-tert-Butyl Ether (MTBE)	**37.1**	5.0	ug/L	40		92.8	75-125			
Methylene Chloride	**23.0**	5.0	ug/L	20		115	75-125			
4-Methyl-2-pentanone (MIBK)	**17.8**	10	ug/L	20		88.8	75-125			
Naphthalene	**21.6**	2.0	ug/L	20		108	75-125			
n-Propylbenzene	**21.8**	1.0	ug/L	20		109	75-125			
Styrene	**22.4**	1.0	ug/L	20		112	75-125			
1,1,1,2-Tetrachloroethane	**18.8**	1.0	ug/L	20		93.8	75-125			
1,1,2,2-Tetrachloroethane	**18.5**	1.0	ug/L	20		92.6	75-125			
Tetrachloroethylene (PCE)	**20.6**	1.0	ug/L	20		103	75-125			
Toluene	**23.2**	1.0	ug/L	20		116	75-125			

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: A5332276
Date Received: 08/09/17
Date Reported: 09/11/17

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor by GC/MS - Quality Control										
*Batch B7I1123 - *** DEFAULT PREP ****										
LCS (B7I1123-BS1) Continued				Prepared & Analyzed: 08/10/17						
1,2,3-Trichlorobenzene	**21.8**	1.0	ug/L	20		109	75-125			
1,2,4-Trichlorobenzene	**24.0**	1.0	ug/L	20		120	75-125			
1,1,2-Trichloroethane	**18.8**	1.0	ug/L	20		94.0	75-125			
1,1,1-Trichloroethane	**16.6**	1.0	ug/L	20		83.0	75-125			
Trichloroethylene (TCE)	**18.6**	1.0	ug/L	20		92.9	75-125			
Trichlorofluoromethane (R11)	**22.3**	1.0	ug/L	20		111	75-125			
1,2,3-Trichloropropane	**15.5**	1.0	ug/L	20		77.4	75-125			
1,3,5-Trimethylbenzene	**21.2**	1.0	ug/L	20		106	75-125			
1,2,4-Trimethylbenzene	**20.9**	1.0	ug/L	20		104	75-125			
Vinyl chloride	**23.4**	1.0	ug/L	20		117	75-125			
o-Xylene	**21.8**	1.0	ug/L	20		109	75-125			
m,p-Xylenes	**45.3**	1.0	ug/L	40		113	75-125			
Surrogate: 4-Bromofluorobenzene	*46.4*		*ug/L*	*50*		*92.8*	*70-140*			
Surrogate: Dibromofluoromethane	*45.7*		*ug/L*	*50*		*91.4*	*70-140*			
Surrogate: Toluene-d8	*54.7*		*ug/L*	*50*		*109*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B7H0928 - *** DEFAULT PREP ****										
Blank (B7H0928-BLK1)				Prepared & Analyzed: 08/09/17						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*52.7*		*ug/L*	*50*		*105*	*70-130*			
LCS (B7H0928-BS1)				Prepared & Analyzed: 08/09/17						
Gasoline Range Organics (GRO)	**486**	20	ug/L	500		97.1	75-125			
Surrogate: a,a,a-Trifluorotoluene	*53.2*		*ug/L*	*50*		*106*	*70-130*			
LCS Dup (B7H0928-BSD1)				Prepared & Analyzed: 08/09/17						
Gasoline Range Organics (GRO)	**475**	20	ug/L	500		95.0	75-125	2.17	30	
Surrogate: a,a,a-Trifluorotoluene	*47.2*		*ug/L*	*50*		*94.3*	*70-130*			
Duplicate (B7H0928-DUP1)			**Source: 7H09016-01**	Prepared & Analyzed: 08/09/17						
Gasoline Range Organics (GRO)	**2260**	20	ug/L		2280			0.865	30	
Surrogate: a,a,a-Trifluorotoluene	*54.2*		*ug/L*	*50*		*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: A5332276
Date Received: 08/09/17
Date Reported: 09/11/17

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 B7H0928 - *** DEFAULT PREP ****										
Blank (B7H0928-BLK1)				Prepared & Analyzed: 08/09/17						
GRO as Hexane	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*52.7*		*ug/L*	*50*		*105*	*70-130*			
LCS (B7H0928-BS1)				Prepared & Analyzed: 08/09/17						
GRO as Hexane	**486**	20	ug/L	500		97.1	75-125			
Surrogate: a,a,a-Trifluorotoluene	*53.2*		*ug/L*	*50*		*106*	*70-130*			
LCS Dup (B7H0928-BSD1)				Prepared & Analyzed: 08/09/17						
GRO as Hexane	**475**	20	ug/L	500		95.0	75-125	2.17	30	
Surrogate: a,a,a-Trifluorotoluene	*47.2*		*ug/L*	*50*		*94.3*	*70-130*			
Duplicate (B7H0928-DUP1)				**Source: 7H09016-01** Prepared & Analyzed: 08/09/17						
GRO as Hexane	**2260**	20	ug/L		2280			0.865	30	
Surrogate: a,a,a-Trifluorotoluene	*54.2*		*ug/L*	*50*		*108*	*70-130*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332276
Project No:	04-NDLA-013	**Date Received:**	08/09/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/11/17

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

13467

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

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Client I.D.	Lab #	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B	VOCs 8260B							Special Instructions
						Please enter the TAT Turnaround Codes ** below										
Influent	7H09016-01	8-9-17	0834	Air	1	✓	✓	✓	X							
Effluent	-02	8-9-17	0828	Air	1	✓	✓	✓								

PRIORITY ✓ SH
Rush Fire
Date 8/9/17 Time 1415 Sign

AS332276/7H09016

Relinquished by	Date	Time	Received by
Elena Andrusko	8-9-17	1200	
	8/9/17	1331	

17 AUG 9

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

August 24, 2017

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5332289 / 7H17017

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 08/17/17 12:27 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: A5332289
Date Received: 08/17/17
Date Reported: 08/24/17

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
RW-20	7H17017-01	Vapor	5	08/16/17 15:30	08/17/17 12:27
RW-22	7H17017-02	Vapor	5	08/16/17 15:32	08/17/17 12:27
RW-24	7H17017-03	Vapor	5	08/16/17 15:34	08/17/17 12:27
RW-32	7H17017-04	Vapor	5	08/16/17 15:36	08/17/17 12:27
RW-33	7H17017-05	Vapor	5	08/16/17 15:38	08/17/17 12:27
VOCs Gasoline Range Organics Vapor					
RW-20	7H17017-01	Vapor	5	08/16/17 15:30	08/17/17 12:27
RW-22	7H17017-02	Vapor	5	08/16/17 15:32	08/17/17 12:27
RW-24	7H17017-03	Vapor	5	08/16/17 15:34	08/17/17 12:27
RW-32	7H17017-04	Vapor	5	08/16/17 15:36	08/17/17 12:27
RW-33	7H17017-05	Vapor	5	08/16/17 15:38	08/17/17 12:27
VOCs GRO Vapor as Hexane					
RW-20	7H17017-01	Vapor	5	08/16/17 15:30	08/17/17 12:27
RW-22	7H17017-02	Vapor	5	08/16/17 15:32	08/17/17 12:27
RW-24	7H17017-03	Vapor	5	08/16/17 15:34	08/17/17 12:27
RW-32	7H17017-04	Vapor	5	08/16/17 15:36	08/17/17 12:27
RW-33	7H17017-05	Vapor	5	08/16/17 15:38	08/17/17 12:27

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332289
Project No:	04-NDLA-013	**Date Received:**	08/17/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	08/24/17
Matrix:	Vapor	**Sampled:**	08/16/17
Dilution:	1	**Prepared:**	08/18/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	08/18/17

RW-20

7H17017-01 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	84.0 %	70-140
Dibromofluoromethane	95.6 %	70-140
Toluene-d8	97.5 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332289
Project No:	04-NDLA-013	**Date Received:**	08/17/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	08/24/17
Matrix:	Vapor	**Sampled:**	08/16/17
Dilution:	1	**Prepared:**	08/18/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	08/18/17

RW-22

7H17017-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**1.2**	ug/L	0.50	**0.38**	ppmv	0.16
Ethylbenzene	**14**	ug/L	0.50	**3.2**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
o-Xylene	**0.88**	ug/L	0.50	**0.20**	ppmv	0.12
m,p-Xylenes	**20**	ug/L	1.0	**4.6**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	80.2 %	70-140
Dibromofluoromethane	82.3 %	70-140
Toluene-d8	89.8 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332289
Project No:	04-NDLA-013	**Date Received:**	08/17/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	08/24/17
Matrix:	Vapor	**Sampled:**	08/16/17
Dilution:	1	**Prepared:**	08/18/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	08/18/17

RW-24

7H17017-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.50	ug/L	0.50	<0.16	ppmv	0.16
Ethylbenzene	**0.82**	ug/L	0.50	**0.19**	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	84.3 %	70-140
Dibromofluoromethane	80.7 %	70-140
Toluene-d8	93.0 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332289
Project No:	04-NDLA-013	**Date Received:**	08/17/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	08/24/17
Matrix:	Vapor	**Sampled:**	08/16/17
Dilution:	1	**Prepared:**	08/18/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	08/18/17

RW-32

7H17017-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.50	ug/L	0.50	<0.16	ppmv	0.16
Ethylbenzene	**3.4**	ug/L	0.50	**0.78**	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	**1.2**	ug/L	1.0	**0.28**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	80.3 %	70-140
Dibromofluoromethane	83.6 %	70-140
Toluene-d8	92.7 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332289
Project No:	04-NDLA-013	**Date Received:**	08/17/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	08/24/17
Matrix:	Vapor	**Sampled:**	08/16/17
Dilution:	1	**Prepared:**	08/18/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	08/18/17

RW-33

7H17017-05 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.50	ug/L	0.50	<0.16	ppmv	0.16
Ethylbenzene	**1.9**	ug/L	0.50	**0.44**	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	86.0 %	70-140
Dibromofluoromethane	86.2 %	70-140
Toluene-d8	91.4 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332289
Project No:	04-NDLA-013	**Date Received:**	08/17/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	08/24/17
Matrix:	Vapor	**Sampled:**	08/16/17
Dilution:	1	**Prepared:**	08/18/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	08/18/17

RW-20

7H17017-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**300**	ug/L	20	**73**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	99.7 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332289
Project No:	04-NDLA-013	**Date Received:**	08/17/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	08/24/17
Matrix:	Vapor	**Sampled:**	08/16/17
Dilution:	5	**Prepared:**	08/18/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	08/18/17

RW-22

7H17017-02 (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	107 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332289
Project No:	04-NDLA-013	**Date Received:**	08/17/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	08/24/17
Matrix:	Vapor	**Sampled:**	08/16/17
Dilution:	5	**Prepared:**	08/18/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	08/18/17

RW-24

7H17017-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**5900**	ug/L	20	**1400**	ppmv	4.9

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332289
Project No:	04-NDLA-013	**Date Received:**	08/17/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	08/24/17
Matrix:	Vapor	**Sampled:**	08/16/17
Dilution:	1	**Prepared:**	08/18/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	08/18/17

RW-32

7H17017-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**3600**	ug/L	20	**880**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	93.5 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332289
Project No:	04-NDLA-013	**Date Received:**	08/17/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	08/24/17
Matrix:	Vapor	**Sampled:**	08/16/17
Dilution:	1	**Prepared:**	08/18/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	08/18/17

RW-33

7H17017-05 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**3500**	ug/L	20	**860**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	105 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332289
Project No:	04-NDLA-013	**Date Received:**	08/17/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	08/24/17
Matrix:	Vapor	**Sampled:**	08/16/17
Dilution:	1	**Prepared:**	08/18/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	08/18/17

RW-20

7H17017-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**300**	ug/L	20	**85**	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	99.7 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332289
Project No:	04-NDLA-013	**Date Received:**	08/17/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	08/24/17
Matrix:	Vapor	**Sampled:**	08/16/17
Dilution:	5	**Prepared:**	08/18/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	08/18/17

RW-22

7H17017-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**6700**	ug/L	20	**1900**	ppmv	5.7

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:**	A5332289
Project No:	04-NDLA-013	**Date Received:**	08/17/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	08/24/17
Matrix:	Vapor	**Sampled:**	08/16/17
Dilution:	5	**Prepared:**	08/18/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	08/18/17

RW-24

7H17017-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**5900**	ug/L	20	**1700**	ppmv	5.7

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332289
Project No:	04-NDLA-013	**Date Received:**	08/17/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	08/24/17
Matrix:	Vapor	**Sampled:**	08/16/17
Dilution:	1	**Prepared:**	08/18/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	08/18/17

RW-32

7H17017-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**3600**	ug/L	20	**1000**	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	93.5 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332289
Project No:	04-NDLA-013	**Date Received:**	08/17/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	08/24/17
Matrix:	Vapor	**Sampled:**	08/16/17
Dilution:	1	**Prepared:**	08/18/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	08/18/17

RW-33

7H17017-05 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**3500**	ug/L	20	**1000**	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	105 %	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: A5332289
Date Received: 08/17/17
Date Reported: 08/24/17

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 B7H1805 - *** DEFAULT PREP ****										
Blank (B7H1805-BLK1)				Prepared & Analyzed: 08/18/17						
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	*44.6*		*ug/L*	*50*		*89.3*	*70-140*			
Surrogate: Dibromofluoromethane	*48.7*		*ug/L*	*50*		*97.4*	*70-140*			
Surrogate: Toluene-d8	*47.6*		*ug/L*	*50*		*95.2*	*70-140*			
LCS (B7H1805-BS1)				Prepared & Analyzed: 08/18/17						
Benzene	**17.9**	0.50	ug/L	20		89.6	75-125			
Ethylbenzene	**19.9**	0.50	ug/L	20		99.6	75-125			
Methyl-tert-Butyl Ether (MTBE)	**33.9**	2.0	ug/L	40		84.6	75-125			
Toluene	**22.2**	0.50	ug/L	20		111	75-125			
o-Xylene	**22.4**	0.50	ug/L	20		112	75-125			
m,p-Xylenes	**44.5**	1.0	ug/L	40		111	75-125			
Surrogate: 4-Bromofluorobenzene	*42.6*		*ug/L*	*50*		*85.2*	*70-140*			
Surrogate: Dibromofluoromethane	*41.0*		*ug/L*	*50*		*82.0*	*70-140*			
Surrogate: Toluene-d8	*53.8*		*ug/L*	*50*		*108*	*70-140*			
LCS Dup (B7H1805-BSD1)				Prepared: 08/18/17 Analyzed: 08/19/17						
Benzene	**21.7**	0.50	ug/L	20		108	75-125	18.9	30	
Ethylbenzene	**20.8**	0.50	ug/L	20		104	75-125	4.13	30	
Methyl-tert-Butyl Ether (MTBE)	**37.1**	2.0	ug/L	40		92.8	75-125	9.21	30	
Toluene	**23.8**	0.50	ug/L	20		119	75-125	7.22	30	
o-Xylene	**21.4**	0.50	ug/L	20		107	75-125	4.70	30	
m,p-Xylenes	**44.3**	1.0	ug/L	40		111	75-125	0.428	30	
Surrogate: 4-Bromofluorobenzene	*43.4*		*ug/L*	*50*		*86.7*	*70-140*			
Surrogate: Dibromofluoromethane	*49.1*		*ug/L*	*50*		*98.2*	*70-140*			
Surrogate: Toluene-d8	*54.7*		*ug/L*	*50*		*109*	*70-140*			
Duplicate (B7H1805-DUP1)				**Source: 7H17017-01** Prepared & Analyzed: 08/18/17						

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: A5332289
Date Received: 08/17/17
Date Reported: 08/24/17

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 B7H1805 - *** DEFAULT PREP ****										
Duplicate (B7H1805-DUP1) Continued				**Source: 7H17017-01**			Prepared & Analyzed: 08/18/17			
Benzene	**<0.50**	0.50	ug/L		<0.50				30	
Ethylbenzene	**<0.50**	0.50	ug/L		<0.50				30	
Methyl-tert-Butyl Ether (MTBE)	**<2.0**	2.0	ug/L		<2.0				30	
Toluene	**<0.50**	0.50	ug/L		<0.50				30	
o-Xylene	**<0.50**	0.50	ug/L		<0.50				30	
m,p-Xylenes	**<1.0**	1.0	ug/L		0.920			1.08	30	
Surrogate: 4-Bromofluorobenzene	*41.6*		*ug/L*	*50*		*83.3*	*70-140*			
Surrogate: Dibromofluoromethane	*44.9*		*ug/L*	*50*		*89.7*	*70-140*			
Surrogate: Toluene-d8	*45.9*		*ug/L*	*50*		*91.8*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B7H1809 - *** DEFAULT PREP ****										
Blank (B7H1809-BLK1)							Prepared & Analyzed: 08/18/17			
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*46.3*		*ug/L*	*50*		*92.7*	*70-130*			
LCS (B7H1809-BS1)							Prepared & Analyzed: 08/18/17			
Gasoline Range Organics (GRO)	**447**	20	ug/L	500		89.4	75-125			
Surrogate: a,a,a-Trifluorotoluene	*46.9*		*ug/L*	*50*		*93.8*	*70-130*			
LCS Dup (B7H1809-BSD1)							Prepared & Analyzed: 08/18/17			
Gasoline Range Organics (GRO)	**471**	20	ug/L	500		94.2	75-125	5.20	30	
Surrogate: a,a,a-Trifluorotoluene	*51.2*		*ug/L*	*50*		*102*	*70-130*			
Duplicate (B7H1809-DUP1)				**Source: 7H17017-01**			Prepared & Analyzed: 08/18/17			
Gasoline Range Organics (GRO)	**311**	20	ug/L		296			5.01	30	
Surrogate: a,a,a-Trifluorotoluene	*50.9*		*ug/L*	*50*		*102*	*70-130*			
Gasoline Range Organics in Vapor as Hexane - Quality Control										
*Batch B7H1809 - *** DEFAULT PREP ****										
Blank (B7H1809-BLK1)							Prepared & Analyzed: 08/18/17			
GRO as Hexane	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*46.3*		*ug/L*	*50*		*92.7*	*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: A5332289
Date Received: 08/17/17
Date Reported: 08/24/17

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 B7H1809 - *** DEFAULT PREP ****										
LCS (B7H1809-BS1)				Prepared & Analyzed: 08/18/17						
GRO as Hexane	**447**	20	ug/L	500		89.4	75-125			
Surrogate: a,a,a-Trifluorotoluene	*46.9*		*ug/L*	*50*		*93.8*	*70-130*			
LCS Dup (B7H1809-BSD1)				Prepared & Analyzed: 08/18/17						
GRO as Hexane	**471**	20	ug/L	500		94.2	75-125	5.20	30	
Surrogate: a,a,a-Trifluorotoluene	*51.2*		*ug/L*	*50*		*102*	*70-130*			
Duplicate (B7H1809-DUP1)			**Source: 7H17017-01**	Prepared & Analyzed: 08/18/17						
GRO as Hexane	**311**	20	ug/L		296			5.01	30	
Surrogate: a,a,a-Trifluorotoluene	*50.9*		*ug/L*	*50*		*102*	*70-130*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332289
Project No:	04-NDLA-013	**Date Received:**	08/17/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	08/24/17

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

13511

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-018	**Sampler's Name:**	Glenn Androsko
Project Manager:	Neil Irish	**Site Address:**	15306 Norwalk Blvd	**Sampler's Signature:**	Glenn Androsko
Phone:	562-597-1055	**City:**	Norwalk	**P.O. No.:**	
Fax:	569-597-1070	**State & Zip:**	CA 90650	**Quote No.:**	

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B	Special Instructions
RW-20	7H17017 -01	8-16-17	1530	Air	1	✓	✓	✓	
RW-22	-02	↓	1532	Air	1	✓	✓	✓	
RW-24	-03	↓	1534	Air	1	✓	✓	✓	
RW-32	-04	↓	1536	Air	1	✓	✓	✓	
RW-33	-05	↓	1538	Air	1	✓	✓	✓	

PRIORITY ✓ SH
Rush Hrs
Date 8/17/17 Time 1330 Sign

SAMPLE INTEGRITY
INTACT ⓨ N TEMP 20°C

17 AUG 17 12:27

Relinquished by	Date	Time	Received by
Glenn Androsko	8-17-17	1055	[signature]
[signature]	8-17-17	1227	[signature]

A5332289 / 7H17017

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

September 20, 2017

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5332308 / 7I07027

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 09/07/17 15:20 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332308
Date Received: 09/07/17
Date Reported: 09/20/17

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs by GC/MS Vapor					
Influent	7I07027-01	Vapor	5	09/07/17 09:51	09/07/17 15:20
VOCs Gasoline Range Organics Vapor					
Influent	7I07027-01	Vapor	5	09/07/17 09:51	09/07/17 15:20
VOCs GRO Vapor as Hexane					
Influent	7I07027-01	Vapor	5	09/07/17 09:51	09/07/17 15:20

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332308
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	1	**Prepared:**	09/08/17
Method:	VOCs in Vapor by GC/MS	**Analyzed:**	09/08/17

Influent

7I07027-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Acetone	<10	ug/L	10	<4.2	ppmv	4.2
Benzene	**3.9**	ug/L	1.0	**1.2**	ppmv	0.31
Bromobenzene	<1.0	ug/L	1.0	<0.16	ppmv	0.16
Bromochloromethane	<1.0	ug/L	1.0	<0.19	ppmv	0.19
Bromodichloromethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Bromoform	<1.0	ug/L	1.0	<0.097	ppmv	0.097
Bromomethane	<1.0	ug/L	1.0	<0.26	ppmv	0.26
2-Butanone (MEK)	<10	ug/L	10	<3.4	ppmv	3.4
tert-Butylbenzene	<1.0	ug/L	1.0	<0.18	ppmv	0.18
sec-Butylbenzene	<1.0	ug/L	1.0	<0.18	ppmv	0.18
n-Butylbenzene	<1.0	ug/L	1.0	<0.18	ppmv	0.18
Carbon Disulfide	<1.0	ug/L	1.0	<0.32	ppmv	0.32
Carbon Tetrachloride	<1.0	ug/L	1.0	<0.16	ppmv	0.16
Chlorobenzene	<1.0	ug/L	1.0	<0.22	ppmv	0.22
Chloroethane	<1.0	ug/L	1.0	<0.38	ppmv	0.38
Chloroform	<1.0	ug/L	1.0	<0.20	ppmv	0.20
Chloromethane	<1.0	ug/L	1.0	<0.48	ppmv	0.48
4-Chlorotoluene	<1.0	ug/L	1.0	<0.19	ppmv	0.19
2-Chlorotoluene	<1.0	ug/L	1.0	<0.19	ppmv	0.19
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	<0.10	ppmv	0.10
Dibromochloromethane	<1.0	ug/L	1.0	<0.12	ppmv	0.12

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332308
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	1	**Prepared:**	09/08/17
Method:	VOCs in Vapor by GC/MS	**Analyzed:**	09/08/17

Influent

7I07027-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	<0.13	ppmv	0.13
Dibromomethane	<1.0	ug/L	1.0	<0.14	ppmv	0.14
1,2-Dichlorobenzene	<1.0	ug/L	1.0	<0.17	ppmv	0.17
1,4-Dichlorobenzene	<1.0	ug/L	1.0	<0.17	ppmv	0.17
1,3-Dichlorobenzene	<1.0	ug/L	1.0	<0.17	ppmv	0.17
Dichlorodifluoromethane (R12)	<1.0	ug/L	1.0	<0.20	ppmv	0.20
1,1-Dichloroethane	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,2-Dichloroethane (EDC)	<1.0	ug/L	1.0	<0.25	ppmv	0.25
cis-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
trans-1,2-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
1,1-Dichloroethylene	<1.0	ug/L	1.0	<0.25	ppmv	0.25
2,2-Dichloropropane	<1.0	ug/L	1.0	<0.22	ppmv	0.22
1,2-Dichloropropane	<1.0	ug/L	1.0	<0.22	ppmv	0.22
1,3-Dichloropropane	<1.0	ug/L	1.0	<0.22	ppmv	0.22
cis-1,3-Dichloropropylene	<1.0	ug/L	1.0	<0.22	ppmv	0.22
1,1-Dichloropropylene	<1.0	ug/L	1.0	<0.22	ppmv	0.22
trans-1,3-Dichloropropylene	<1.0	ug/L	1.0	<0.22	ppmv	0.22
Ethylbenzene	**2.0**	ug/L	1.0	**0.46**	ppmv	0.23
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	ug/L	5.0	<0.65	ppmv	0.65
Hexachlorobutadiene	<1.0	ug/L	1.0	<0.094	ppmv	0.094

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332308
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	1	**Prepared:**	09/08/17
Method:	VOCs in Vapor by GC/MS	**Analyzed:**	09/08/17

Influent

7I07027-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
2-Hexanone (MBK)	<10	ug/L	10	<2.4	ppmv	2.4
Isopropylbenzene	<1.0	ug/L	1.0	<0.20	ppmv	0.20
4-Isopropyltoluene	<1.0	ug/L	1.0	<0.18	ppmv	0.18
Methyl-tert-Butyl Ether (MTBE)	<5.0	ug/L	5.0	<1.4	ppmv	1.4
Methylene Chloride	<5.0	ug/L	5.0	<1.4	ppmv	1.4
4-Methyl-2-pentanone (MIBK)	<10	ug/L	10	<2.4	ppmv	2.4
Naphthalene	<2.0	ug/L	2.0	<0.38	ppmv	0.38
n-Propylbenzene	<1.0	ug/L	1.0	<0.20	ppmv	0.20
Styrene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Tetrachloroethylene (PCE)	<1.0	ug/L	1.0	<0.15	ppmv	0.15
Toluene	**1.8**	ug/L	1.0	**0.48**	ppmv	0.27
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	<0.13	ppmv	0.13
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	<0.13	ppmv	0.13
1,1,2-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,1,1-Trichloroethane	<1.0	ug/L	1.0	<0.18	ppmv	0.18
Trichloroethylene (TCE)	<1.0	ug/L	1.0	<0.19	ppmv	0.19
Trichlorofluoromethane (R11)	<1.0	ug/L	1.0	<0.18	ppmv	0.18
1,2,3-Trichloropropane	<1.0	ug/L	1.0	<0.17	ppmv	0.17
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	<0.20	ppmv	0.20

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332308
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	1	**Prepared:**	09/08/17
Method:	VOCs in Vapor by GC/MS	**Analyzed:**	09/08/17

Influent

7I07027-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	<0.20	ppmv	0.20
Vinyl chloride	<1.0	ug/L	1.0	<0.39	ppmv	0.39
o-Xylene	<1.0	ug/L	1.0	<0.23	ppmv	0.23
m,p-Xylenes	**2.2**	ug/L	1.0	**0.51**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	98.5 %	70-140
Dibromofluoromethane	98.8 %	70-140
Toluene-d8	100 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332308
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	5	**Prepared:**	09/07/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	09/07/17

Influent

7I07027-01 (Vapor)

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

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	96.4 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332308
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	5	**Prepared:**	09/07/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	09/07/17

Influent

7I07027-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**2500**	ug/L	20	**710**	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	96.4 %	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: A5332308
Date Received: 09/07/17
Date Reported: 09/20/17

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor by GC/MS - Quality Control										
*Batch B7I0803 - *** DEFAULT PREP ****										
Blank (B7I0803-BLK1)				Prepared & Analyzed: 09/08/17						
Acetone	<10	10	ug/L							
Benzene	<1.0	1.0	ug/L							
Bromobenzene	<1.0	1.0	ug/L							
Bromochloromethane	<1.0	1.0	ug/L							
Bromodichloromethane	<1.0	1.0	ug/L							
Bromoform	<1.0	1.0	ug/L							
Bromomethane	<1.0	1.0	ug/L							
2-Butanone (MEK)	<10	10	ug/L							
tert-Butylbenzene	<1.0	1.0	ug/L							
sec-Butylbenzene	<1.0	1.0	ug/L							
n-Butylbenzene	<1.0	1.0	ug/L							
Carbon Disulfide	<1.0	1.0	ug/L							
Carbon Tetrachloride	<1.0	1.0	ug/L							
Chlorobenzene	<1.0	1.0	ug/L							
Chloroethane	<1.0	1.0	ug/L							
Chloroform	<1.0	1.0	ug/L							
Chloromethane	<1.0	1.0	ug/L							
4-Chlorotoluene	<1.0	1.0	ug/L							
2-Chlorotoluene	<1.0	1.0	ug/L							
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L							
Dibromochloromethane	<1.0	1.0	ug/L							
1,2-Dibromoethane (EDB)	<1.0	1.0	ug/L							
Dibromomethane	<1.0	1.0	ug/L							
1,2-Dichlorobenzene	<1.0	1.0	ug/L							
1,4-Dichlorobenzene	<1.0	1.0	ug/L							
1,3-Dichlorobenzene	<1.0	1.0	ug/L							
Dichlorodifluoromethane (R12)	<1.0	1.0	ug/L							
1,1-Dichloroethane	<1.0	1.0	ug/L							
1,2-Dichloroethane (EDC)	<1.0	1.0	ug/L							
cis-1,2-Dichloroethylene	<1.0	1.0	ug/L							
trans-1,2-Dichloroethylene	<1.0	1.0	ug/L							

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: A5332308
Date Received: 09/07/17
Date Reported: 09/20/17

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor by GC/MS - Quality Control										
*Batch B7I0803 - *** DEFAULT PREP ****										
Blank (B7I0803-BLK1) Continued				Prepared & Analyzed: 09/08/17						
1,1-Dichloroethylene	<1.0	1.0	ug/L							
2,2-Dichloropropane	<1.0	1.0	ug/L							
1,2-Dichloropropane	<1.0	1.0	ug/L							
1,3-Dichloropropane	<1.0	1.0	ug/L							
cis-1,3-Dichloropropylene	<1.0	1.0	ug/L							
1,1-Dichloropropylene	<1.0	1.0	ug/L							
trans-1,3-Dichloropropylene	<1.0	1.0	ug/L							
Ethylbenzene	<1.0	1.0	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<5.0	5.0	ug/L							
Hexachlorobutadiene	<1.0	1.0	ug/L							
2-Hexanone (MBK)	<10	10	ug/L							
Isopropylbenzene	<1.0	1.0	ug/L							
4-Isopropyltoluene	<1.0	1.0	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<5.0	5.0	ug/L							
Methylene Chloride	<5.0	5.0	ug/L							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/L							
Naphthalene	<2.0	2.0	ug/L							
n-Propylbenzene	<1.0	1.0	ug/L							
Styrene	<1.0	1.0	ug/L							
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L							
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L							
Tetrachloroethylene (PCE)	<1.0	1.0	ug/L							
Toluene	<1.0	1.0	ug/L							
1,2,3-Trichlorobenzene	<1.0	1.0	ug/L							
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L							
1,1,2-Trichloroethane	<1.0	1.0	ug/L							
1,1,1-Trichloroethane	<1.0	1.0	ug/L							
Trichloroethylene (TCE)	<1.0	1.0	ug/L							
Trichlorofluoromethane (R11)	<1.0	1.0	ug/L							
1,2,3-Trichloropropane	<1.0	1.0	ug/L							
1,3,5-Trimethylbenzene	<1.0	1.0	ug/L							

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: A5332308
Date Received: 09/07/17
Date Reported: 09/20/17

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor by GC/MS - Quality Control										
*Batch B7I0803 - *** DEFAULT PREP ****										
Blank (B7I0803-BLK1) Continued				Prepared & Analyzed: 09/08/17						
1,2,4-Trimethylbenzene	<1.0	1.0	ug/L							
Vinyl chloride	<1.0	1.0	ug/L							
o-Xylene	<1.0	1.0	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*51.4*		*ug/L*	*50*		*103*	*70-140*			
Surrogate: Dibromofluoromethane	*49.8*		*ug/L*	*50*		*99.6*	*70-140*			
Surrogate: Toluene-d8	*50.6*		*ug/L*	*50*		*101*	*70-140*			
LCS (B7I0803-BS1)				Prepared & Analyzed: 09/08/17						
Acetone	**17.9**	10	ug/L	20		89.6	75-125			
Benzene	**21.7**	1.0	ug/L	20		108	75-125			
Bromobenzene	**22.7**	1.0	ug/L	20		113	75-125			
Bromochloromethane	**21.8**	1.0	ug/L	20		109	75-125			
Bromodichloromethane	**23.7**	1.0	ug/L	20		118	75-125			
Bromoform	**23.7**	1.0	ug/L	20		118	75-125			
Bromomethane	**21.9**	1.0	ug/L	20		110	75-125			
2-Butanone (MEK)	**16.6**	10	ug/L	20		82.8	75-125			
tert-Butylbenzene	**22.5**	1.0	ug/L	20		112	75-125			
sec-Butylbenzene	**21.8**	1.0	ug/L	20		109	75-125			
n-Butylbenzene	**22.0**	1.0	ug/L	20		110	75-125			
Carbon Disulfide	**19.4**	1.0	ug/L	20		97.2	75-125			
Carbon Tetrachloride	**23.5**	1.0	ug/L	20		117	75-125			
Chlorobenzene	**24.0**	1.0	ug/L	20		120	75-125			
Chloroethane	**21.5**	1.0	ug/L	20		107	75-125			
Chloroform	**22.9**	1.0	ug/L	20		114	75-125			
Chloromethane	**21.0**	1.0	ug/L	20		105	75-125			
4-Chlorotoluene	**21.9**	1.0	ug/L	20		110	75-125			
2-Chlorotoluene	**22.7**	1.0	ug/L	20		114	75-125			
1,2-Dibromo-3-chloropropane	**16.3**	1.0	ug/L	20		81.7	75-125			
Dibromochloromethane	**24.0**	1.0	ug/L	20		120	75-125			
1,2-Dibromoethane (EDB)	**20.2**	1.0	ug/L	20		101	75-125			
Dibromomethane	**22.6**	1.0	ug/L	20		113	75-125			

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: A5332308
Date Received: 09/07/17
Date Reported: 09/20/17

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor by GC/MS - Quality Control										
*Batch B7I0803 - *** DEFAULT PREP ****										
LCS (B7I0803-BS1) Continued				Prepared & Analyzed: 09/08/17						
1,2-Dichlorobenzene	**21.6**	1.0	ug/L	20		108	75-125			
1,4-Dichlorobenzene	**23.4**	1.0	ug/L	20		117	75-125			
1,3-Dichlorobenzene	**22.3**	1.0	ug/L	20		112	75-125			
Dichlorodifluoromethane (R12)	**24.2**	1.0	ug/L	20		121	75-125			
1,1-Dichloroethane	**23.4**	1.0	ug/L	20		117	75-125			
1,2-Dichloroethane (EDC)	**22.8**	1.0	ug/L	20		114	75-125			
cis-1,2-Dichloroethylene	**23.0**	1.0	ug/L	20		115	75-125			
trans-1,2-Dichloroethylene	**23.0**	1.0	ug/L	20		115	75-125			
1,1-Dichloroethylene	**20.6**	1.0	ug/L	20		103	75-125			
2,2-Dichloropropane	**21.5**	1.0	ug/L	20		108	75-125			
1,2-Dichloropropane	**22.0**	1.0	ug/L	20		110	75-125			
1,3-Dichloropropane	**21.3**	1.0	ug/L	20		107	75-125			
cis-1,3-Dichloropropylene	**20.5**	1.0	ug/L	20		103	75-125			
1,1-Dichloropropylene	**21.0**	1.0	ug/L	20		105	75-125			
trans-1,3-Dichloropropylene	**18.7**	1.0	ug/L	20		93.6	75-125			
Ethylbenzene	**23.6**	1.0	ug/L	20		118	75-125			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**20.5**	5.0	ug/L	20		102	75-125			
Hexachlorobutadiene	**23.3**	1.0	ug/L	20		117	75-125			
2-Hexanone (MBK)	**16.6**	10	ug/L	20		83.0	75-125			
Isopropylbenzene	**19.8**	1.0	ug/L	20		99.1	75-125			
4-Isopropyltoluene	**22.2**	1.0	ug/L	20		111	75-125			
Methyl-tert-Butyl Ether (MTBE)	**44.5**	5.0	ug/L	40		111	75-125			
Methylene Chloride	**21.1**	5.0	ug/L	20		105	75-125			
4-Methyl-2-pentanone (MIBK)	**16.5**	10	ug/L	20		82.6	75-125			
Naphthalene	**18.0**	2.0	ug/L	20		90.2	75-125			
n-Propylbenzene	**22.0**	1.0	ug/L	20		110	75-125			
Styrene	**24.2**	1.0	ug/L	20		121	75-125			
1,1,1,2-Tetrachloroethane	**22.9**	1.0	ug/L	20		114	75-125			
1,1,2,2-Tetrachloroethane	**19.0**	1.0	ug/L	20		95.2	75-125			
Tetrachloroethylene (PCE)	**22.2**	1.0	ug/L	20		111	75-125			
Toluene	**23.9**	1.0	ug/L	20		119	75-125			

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: A5332308
Date Received: 09/07/17
Date Reported: 09/20/17

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor by GC/MS - Quality Control										
*Batch B7I0803 - *** DEFAULT PREP ****										
LCS (B7I0803-BS1) Continued				Prepared & Analyzed: 09/08/17						
1,2,3-Trichlorobenzene	**21.4**	1.0	ug/L	20		107	75-125			
1,2,4-Trichlorobenzene	**22.0**	1.0	ug/L	20		110	75-125			
1,1,2-Trichloroethane	**19.9**	1.0	ug/L	20		99.6	75-125			
1,1,1-Trichloroethane	**22.8**	1.0	ug/L	20		114	75-125			
Trichloroethylene (TCE)	**21.3**	1.0	ug/L	20		107	75-125			
Trichlorofluoromethane (R11)	**22.5**	1.0	ug/L	20		113	75-125			
1,2,3-Trichloropropane	**21.2**	1.0	ug/L	20		106	75-125			
1,3,5-Trimethylbenzene	**21.8**	1.0	ug/L	20		109	75-125			
1,2,4-Trimethylbenzene	**22.5**	1.0	ug/L	20		112	75-125			
Vinyl chloride	**22.8**	1.0	ug/L	20		114	75-125			
o-Xylene	**23.8**	1.0	ug/L	20		119	75-125			
m,p-Xylenes	**45.0**	1.0	ug/L	40		112	75-125			
Surrogate: 4-Bromofluorobenzene	*48.4*		*ug/L*	*50*		*96.7*	*70-140*			
Surrogate: Dibromofluoromethane	*48.1*		*ug/L*	*50*		*96.3*	*70-140*			
Surrogate: Toluene-d8	*50.6*		*ug/L*	*50*		*101*	*70-140*			
LCS Dup (B7I0803-BSD1)				Prepared & Analyzed: 09/08/17						
Acetone	**16.8**	10	ug/L	20		84.2	75-125	6.21	30	
Benzene	**20.3**	1.0	ug/L	20		102	75-125	6.57	30	
Bromobenzene	**22.3**	1.0	ug/L	20		112	75-125	1.60	30	
Bromochloromethane	**21.3**	1.0	ug/L	20		107	75-125	2.18	30	
Bromodichloromethane	**23.5**	1.0	ug/L	20		118	75-125	0.805	30	
Bromoform	**25.0**	1.0	ug/L	20		125	75-125	5.54	30	
Bromomethane	**16.9**	1.0	ug/L	20		84.4	75-125	25.9	30	
2-Butanone (MEK)	**19.7**	10	ug/L	20		98.6	75-125	17.3	30	
tert-Butylbenzene	**21.9**	1.0	ug/L	20		110	75-125	2.48	30	
sec-Butylbenzene	**20.2**	1.0	ug/L	20		101	75-125	7.24	30	
n-Butylbenzene	**18.0**	1.0	ug/L	20		89.9	75-125	20.2	30	
Carbon Disulfide	**18.0**	1.0	ug/L	20		89.8	75-125	7.81	30	
Carbon Tetrachloride	**22.7**	1.0	ug/L	20		113	75-125	3.43	30	
Chlorobenzene	**22.8**	1.0	ug/L	20		114	75-125	4.99	30	
Chloroethane	**17.4**	1.0	ug/L	20		87.2	75-125	20.8	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332308
Date Received: 09/07/17
Date Reported: 09/20/17

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor by GC/MS - Quality Control										
*Batch B7I0803 - *** DEFAULT PREP ****										
LCS Dup (B7I0803-BSD1) Continued				Prepared & Analyzed: 09/08/17						
Chloroform	**22.0**	1.0	ug/L	20		110	75-125	3.88	30	
Chloromethane	**22.4**	1.0	ug/L	20		112	75-125	6.35	30	
4-Chlorotoluene	**20.9**	1.0	ug/L	20		104	75-125	5.00	30	
2-Chlorotoluene	**22.2**	1.0	ug/L	20		111	75-125	2.54	30	
1,2-Dibromo-3-chloropropane	**17.0**	1.0	ug/L	20		84.9	75-125	3.84	30	
Dibromochloromethane	**24.2**	1.0	ug/L	20		121	75-125	0.872	30	
1,2-Dibromoethane (EDB)	**21.8**	1.0	ug/L	20		109	75-125	7.72	30	
Dibromomethane	**23.2**	1.0	ug/L	20		116	75-125	2.45	30	
1,2-Dichlorobenzene	**21.3**	1.0	ug/L	20		106	75-125	1.63	30	
1,4-Dichlorobenzene	**21.8**	1.0	ug/L	20		109	75-125	7.43	30	
1,3-Dichlorobenzene	**20.8**	1.0	ug/L	20		104	75-125	7.24	30	
Dichlorodifluoromethane (R12)	**23.0**	1.0	ug/L	20		115	75-125	4.70	30	
1,1-Dichloroethane	**21.6**	1.0	ug/L	20		108	75-125	7.78	30	
1,2-Dichloroethane (EDC)	**22.1**	1.0	ug/L	20		111	75-125	3.25	30	
cis-1,2-Dichloroethylene	**22.4**	1.0	ug/L	20		112	75-125	2.69	30	
trans-1,2-Dichloroethylene	**21.6**	1.0	ug/L	20		108	75-125	6.41	30	
1,1-Dichloroethylene	**19.5**	1.0	ug/L	20		97.3	75-125	5.93	30	
2,2-Dichloropropane	**16.9**	1.0	ug/L	20		84.6	75-125	24.0	30	
1,2-Dichloropropane	**21.0**	1.0	ug/L	20		105	75-125	4.56	30	
1,3-Dichloropropane	**22.1**	1.0	ug/L	20		111	75-125	3.59	30	
cis-1,3-Dichloropropylene	**19.5**	1.0	ug/L	20		97.4	75-125	5.35	30	
1,1-Dichloropropylene	**19.2**	1.0	ug/L	20		95.8	75-125	9.07	30	
trans-1,3-Dichloropropylene	**20.3**	1.0	ug/L	20		102	75-125	8.25	30	
Ethylbenzene	**22.5**	1.0	ug/L	20		113	75-125	4.52	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**21.0**	5.0	ug/L	20		105	75-125	2.75	30	
Hexachlorobutadiene	**22.0**	1.0	ug/L	20		110	75-125	5.92	30	
2-Hexanone (MBK)	**18.0**	10	ug/L	20		89.8	75-125	7.87	30	
Isopropylbenzene	**19.6**	1.0	ug/L	20		97.8	75-125	1.37	30	
4-Isopropyltoluene	**19.7**	1.0	ug/L	20		98.6	75-125	11.6	30	
Methyl-tert-Butyl Ether (MTBE)	**47.0**	5.0	ug/L	40		117	75-125	5.36	30	
Methylene Chloride	**19.8**	5.0	ug/L	20		98.8	75-125	6.47	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332308
Date Received: 09/07/17
Date Reported: 09/20/17

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor by GC/MS - Quality Control										
*Batch B7I0803 - *** DEFAULT PREP ****										
LCS Dup (B7I0803-BSD1) Continued				Prepared & Analyzed: 09/08/17						
4-Methyl-2-pentanone (MIBK)	**18.3**	10	ug/L	20		91.6	75-125	10.3	30	
Naphthalene	**16.8**	2.0	ug/L	20		83.8	75-125	7.42	30	
n-Propylbenzene	**20.9**	1.0	ug/L	20		104	75-125	4.95	30	
Styrene	**22.8**	1.0	ug/L	20		114	75-125	5.95	30	
1,1,1,2-Tetrachloroethane	**23.5**	1.0	ug/L	20		117	75-125	2.72	30	
1,1,2,2-Tetrachloroethane	**19.8**	1.0	ug/L	20		98.8	75-125	3.71	30	
Tetrachloroethylene (PCE)	**21.4**	1.0	ug/L	20		107	75-125	3.94	30	
Toluene	**21.1**	1.0	ug/L	20		105	75-125	12.4	30	
1,2,3-Trichlorobenzene	**19.5**	1.0	ug/L	20		97.4	75-125	9.35	30	
1,2,4-Trichlorobenzene	**19.2**	1.0	ug/L	20		96.0	75-125	13.4	30	
1,1,2-Trichloroethane	**21.5**	1.0	ug/L	20		107	75-125	7.39	30	
1,1,1-Trichloroethane	**21.9**	1.0	ug/L	20		109	75-125	4.21	30	
Trichloroethylene (TCE)	**19.8**	1.0	ug/L	20		99.0	75-125	7.30	30	
Trichlorofluoromethane (R11)	**20.9**	1.0	ug/L	20		104	75-125	7.74	30	
1,2,3-Trichloropropane	**21.2**	1.0	ug/L	20		106	75-125	0.283	30	
1,3,5-Trimethylbenzene	**20.7**	1.0	ug/L	20		104	75-125	5.13	30	
1,2,4-Trimethylbenzene	**22.0**	1.0	ug/L	20		110	75-125	2.21	30	
Vinyl chloride	**23.9**	1.0	ug/L	20		119	75-125	4.50	30	
o-Xylene	**22.8**	1.0	ug/L	20		114	75-125	4.24	30	
m,p-Xylenes	**44.5**	1.0	ug/L	40		111	75-125	1.07	30	
Surrogate: 4-Bromofluorobenzene	*49.8*		*ug/L*	*50*		*99.6*	*70-140*			
Surrogate: Dibromofluoromethane	*48.2*		*ug/L*	*50*		*96.4*	*70-140*			
Surrogate: Toluene-d8	*49.6*		*ug/L*	*50*		*99.3*	*70-140*			
Duplicate (B7I0803-DUP1)		**Source: 7I07022-01**		Prepared & Analyzed: 09/08/17						
Acetone	**<10**	10	ug/L						30	
Benzene	**<1.0**	1.0	ug/L						30	
Bromobenzene	**<1.0**	1.0	ug/L						30	
Bromochloromethane	**<1.0**	1.0	ug/L						30	
Bromodichloromethane	**<1.0**	1.0	ug/L						30	
Bromoform	**<1.0**	1.0	ug/L						30	
Bromomethane	**<1.0**	1.0	ug/L						30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332308
Date Received: 09/07/17
Date Reported: 09/20/17

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor by GC/MS - Quality Control										
*Batch B7I0803 - *** DEFAULT PREP ****										
Duplicate (B7I0803-DUP1) Continued		**Source: 7I07022-01**		Prepared & Analyzed: 09/08/17						
2-Butanone (MEK)	**<10**	10	ug/L						30	
tert-Butylbenzene	**<1.0**	1.0	ug/L						30	
sec-Butylbenzene	**<1.0**	1.0	ug/L						30	
n-Butylbenzene	**<1.0**	1.0	ug/L						30	
Carbon Disulfide	**<1.0**	1.0	ug/L						30	
Carbon Tetrachloride	**<1.0**	1.0	ug/L						30	
Chlorobenzene	**<1.0**	1.0	ug/L						30	
Chloroethane	**<1.0**	1.0	ug/L						30	
Chloroform	**<1.0**	1.0	ug/L						30	
Chloromethane	**<1.0**	1.0	ug/L						30	
4-Chlorotoluene	**<1.0**	1.0	ug/L						30	
2-Chlorotoluene	**<1.0**	1.0	ug/L						30	
1,2-Dibromo-3-chloropropane	**<1.0**	1.0	ug/L						30	
Dibromochloromethane	**<1.0**	1.0	ug/L						30	
1,2-Dibromoethane (EDB)	**<1.0**	1.0	ug/L						30	
Dibromomethane	**<1.0**	1.0	ug/L						30	
1,2-Dichlorobenzene	**<1.0**	1.0	ug/L						30	
1,4-Dichlorobenzene	**<1.0**	1.0	ug/L						30	
1,3-Dichlorobenzene	**<1.0**	1.0	ug/L						30	
Dichlorodifluoromethane (R12)	**<1.0**	1.0	ug/L						30	
1,1-Dichloroethane	**<1.0**	1.0	ug/L						30	
1,2-Dichloroethane (EDC)	**<1.0**	1.0	ug/L						30	
cis-1,2-Dichloroethylene	**<1.0**	1.0	ug/L						30	
trans-1,2-Dichloroethylene	**<1.0**	1.0	ug/L						30	
1,1-Dichloroethylene	**<1.0**	1.0	ug/L						30	
2,2-Dichloropropane	**<1.0**	1.0	ug/L						30	
1,2-Dichloropropane	**<1.0**	1.0	ug/L						30	
1,3-Dichloropropane	**<1.0**	1.0	ug/L						30	
cis-1,3-Dichloropropylene	**<1.0**	1.0	ug/L						30	
1,1-Dichloropropylene	**<1.0**	1.0	ug/L						30	
trans-1,3-Dichloropropylene	**<1.0**	1.0	ug/L						30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332308
Date Received: 09/07/17
Date Reported: 09/20/17

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor by GC/MS - Quality Control										
*Batch B7I0803 - *** DEFAULT PREP ****										
Duplicate (B7I0803-DUP1) Continued			**Source: 7I07022-01**	Prepared & Analyzed: 09/08/17						
Ethylbenzene	**<1.0**	1.0	ug/L						30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**<5.0**	5.0	ug/L						30	
Hexachlorobutadiene	**<1.0**	1.0	ug/L						30	
2-Hexanone (MBK)	**<10**	10	ug/L						30	
Isopropylbenzene	**<1.0**	1.0	ug/L						30	
4-Isopropyltoluene	**<1.0**	1.0	ug/L						30	
Methyl-tert-Butyl Ether (MTBE)	**<5.0**	5.0	ug/L						30	
Methylene Chloride	**<5.0**	5.0	ug/L						30	
4-Methyl-2-pentanone (MIBK)	**<10**	10	ug/L						30	
Naphthalene	**<2.0**	2.0	ug/L						30	
n-Propylbenzene	**<1.0**	1.0	ug/L						30	
Styrene	**<1.0**	1.0	ug/L						30	
1,1,1,2-Tetrachloroethane	**<1.0**	1.0	ug/L						30	
1,1,2,2-Tetrachloroethane	**<1.0**	1.0	ug/L						30	
Tetrachloroethylene (PCE)	**<1.0**	1.0	ug/L						30	
Toluene	**<1.0**	1.0	ug/L						30	
1,2,3-Trichlorobenzene	**<1.0**	1.0	ug/L						30	
1,2,4-Trichlorobenzene	**<1.0**	1.0	ug/L						30	
1,1,2-Trichloroethane	**<1.0**	1.0	ug/L						30	
1,1,1-Trichloroethane	**<1.0**	1.0	ug/L						30	
Trichloroethylene (TCE)	**<1.0**	1.0	ug/L						30	
Trichlorofluoromethane (R11)	**<1.0**	1.0	ug/L						30	
1,2,3-Trichloropropane	**<1.0**	1.0	ug/L						30	
1,3,5-Trimethylbenzene	**<1.0**	1.0	ug/L						30	
1,2,4-Trimethylbenzene	**<1.0**	1.0	ug/L						30	
Vinyl chloride	**<1.0**	1.0	ug/L						30	
o-Xylene	**<1.0**	1.0	ug/L						30	
m,p-Xylenes	**<1.0**	1.0	ug/L						30	
Surrogate: 4-Bromofluorobenzene	*52.3*		*ug/L*	*50*		*105*	*70-140*			
Surrogate: Dibromofluoromethane	*51.4*		*ug/L*	*50*		*103*	*70-140*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332308
Date Received: 09/07/17
Date Reported: 09/20/17

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs in Vapor by GC/MS - Quality Control										
*Batch B7I0803 - *** DEFAULT PREP ****										
Duplicate (B7I0803-DUP1) Continued			**Source: 7I07022-01**	Prepared & Analyzed: 09/08/17						
Surrogate: Toluene-d8	*51.4*		*ug/L*	*50*		*103*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B7I0735 - *** DEFAULT PREP ****										
Blank (B7I0735-BLK1)				Prepared & Analyzed: 09/07/17						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*46.9*		*ug/L*	*50*		*93.8*	*70-130*			
LCS (B7I0735-BS1)				Prepared & Analyzed: 09/07/17						
Gasoline Range Organics (GRO)	**431**	20	ug/L	500		86.3	75-125			
Surrogate: a,a,a-Trifluorotoluene	*48.2*		*ug/L*	*50*		*96.4*	*70-130*			
LCS Dup (B7I0735-BSD1)				Prepared & Analyzed: 09/07/17						
Gasoline Range Organics (GRO)	**453**	20	ug/L	500		90.7	75-125	4.96	30	
Surrogate: a,a,a-Trifluorotoluene	*45.9*		*ug/L*	*50*		*91.7*	*70-130*			
Duplicate (B7I0735-DUP1)			**Source: 7I06032-02**	Prepared & Analyzed: 09/07/17						
Gasoline Range Organics (GRO)	**<20**	20	ug/L						30	
Surrogate: a,a,a-Trifluorotoluene	*48.7*		*ug/L*	*50*		*97.3*	*70-130*			
Gasoline Range Organics in Vapor as Hexane - Quality Control										
*Batch B7I0735 - *** DEFAULT PREP ****										
Blank (B7I0735-BLK1)				Prepared & Analyzed: 09/07/17						
GRO as Hexane	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*46.9*		*ug/L*	*50*		*93.8*	*70-130*			
LCS (B7I0735-BS1)				Prepared & Analyzed: 09/07/17						
GRO as Hexane	**431**	20	ug/L	500		86.3	75-125			
Surrogate: a,a,a-Trifluorotoluene	*48.2*		*ug/L*	*50*		*96.4*	*70-130*			
LCS Dup (B7I0735-BSD1)				Prepared & Analyzed: 09/07/17						
GRO as Hexane	**453**	20	ug/L	500		90.7	75-125	4.96	30	
Surrogate: a,a,a-Trifluorotoluene	*45.9*		*ug/L*	*50*		*91.7*	*70-130*			
Duplicate (B7I0735-DUP1)			**Source: 7I06032-02**	Prepared & Analyzed: 09/07/17						

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: A5332308
Date Received: 09/07/17
Date Reported: 09/20/17

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 B7I0735 - *** DEFAULT PREP ****										
Duplicate (B7I0735-DUP1) Continued		**Source: 7I06032-02**	Prepared & Analyzed: 09/07/17							
GRO as Hexane	**<20**	20	ug/L						30	
Surrogate: a,a,a-Trifluorotoluene	*48.7*		*ug/L*	*50*		*97.3*	*70-130*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332308
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17

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

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

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B	Full list VOCs							Special Instructions
Influent	7I07027-01	9-7-17	0951	Air	1	✓	✓	✓	X							
Effluent	-02	9-7-17	0943	Air	1	✓	✓	✓								

PRIORITY ✓ SH
Rush Hrs
Date 9/7/17 Time 1530 Sign

SAMPLE INTEGRITY
INTACT Y N TEMP n/a

17 SEP 7

A5332308/7I07027

Relinquished by	Date	Time	Received by
Glenn Andrcosko	9-7-17	1344	
	9/7/17	15:20	

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

September 20, 2017

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5332306 / 7I07024

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 09/07/17 15:19 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: A5332306
Date Received: 09/07/17
Date Reported: 09/20/17

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
RW-1	7I07024-01	Vapor	5	09/07/17 10:24	09/07/17 15:19
RW-18	7I07024-02	Vapor	5	09/07/17 10:36	09/07/17 15:19
RW-9	7I07024-03	Vapor	5	09/07/17 10:56	09/07/17 15:19
RW-13	7I07024-04	Vapor	5	09/07/17 10:58	09/07/17 15:19
RW-26	7I07024-05	Vapor	5	09/07/17 11:47	09/07/17 15:19
RW-28	7I07024-06	Vapor	5	09/07/17 11:49	09/07/17 15:19
RW-23	7I07024-07	Vapor	5	09/07/17 12:09	09/07/17 15:19
RW-29	7I07024-08	Vapor	5	09/07/17 12:11	09/07/17 15:19
RW-30	7I07024-09	Vapor	5	09/07/17 12:13	09/07/17 15:19
RW-31	7I07024-10	Vapor	5	09/07/17 12:14	09/07/17 15:19
VEW-38	7I07024-11	Vapor	5	09/07/17 11:41	09/07/17 15:19
VEW-39	7I07024-12	Vapor	5	09/07/17 12:07	09/07/17 15:19
VEW-40	7I07024-13	Vapor	5	09/07/17 11:44	09/07/17 15:19
South Trunkline	7I07024-14	Vapor	5	09/07/17 09:57	09/07/17 15:19
East Trunkline	7I07024-15	Vapor	5	09/07/17 09:59	09/07/17 15:19
RW-20	7I07024-16	Vapor	5	09/07/17 12:34	09/07/17 15:19
RW-22	7I07024-17	Vapor	5	09/07/17 12:38	09/07/17 15:19
RW-24	7I07024-18	Vapor	5	09/07/17 12:40	09/07/17 15:19
RW-32	7I07024-19	Vapor	5	09/07/17 12:45	09/07/17 15:19

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: A5332306
Date Received: 09/07/17
Date Reported: 09/20/17

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
RW-33	7I07024-20	Vapor	5	09/07/17 12:43	09/07/17 15:19
VOCs Gasoline Range Organics Vapor					
RW-1	7I07024-01	Vapor	5	09/07/17 10:24	09/07/17 15:19
RW-18	7I07024-02	Vapor	5	09/07/17 10:36	09/07/17 15:19
RW-9	7I07024-03	Vapor	5	09/07/17 10:56	09/07/17 15:19
RW-13	7I07024-04	Vapor	5	09/07/17 10:58	09/07/17 15:19
RW-26	7I07024-05	Vapor	5	09/07/17 11:47	09/07/17 15:19
RW-28	7I07024-06	Vapor	5	09/07/17 11:49	09/07/17 15:19
RW-23	7I07024-07	Vapor	5	09/07/17 12:09	09/07/17 15:19
RW-29	7I07024-08	Vapor	5	09/07/17 12:11	09/07/17 15:19
RW-30	7I07024-09	Vapor	5	09/07/17 12:13	09/07/17 15:19
RW-31	7I07024-10	Vapor	5	09/07/17 12:14	09/07/17 15:19
VEW-38	7I07024-11	Vapor	5	09/07/17 11:41	09/07/17 15:19
VEW-39	7I07024-12	Vapor	5	09/07/17 12:07	09/07/17 15:19
VEW-40	7I07024-13	Vapor	5	09/07/17 11:44	09/07/17 15:19
South Trunkline	7I07024-14	Vapor	5	09/07/17 09:57	09/07/17 15:19
East Trunkline	7I07024-15	Vapor	5	09/07/17 09:59	09/07/17 15:19
RW-20	7I07024-16	Vapor	5	09/07/17 12:34	09/07/17 15:19
RW-22	7I07024-17	Vapor	5	09/07/17 12:38	09/07/17 15:19
RW-24	7I07024-18	Vapor	5	09/07/17 12:40	09/07/17 15:19

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: A5332306
Date Received: 09/07/17
Date Reported: 09/20/17

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
RW-32	7I07024-19	Vapor	5	09/07/17 12:45	09/07/17 15:19
RW-33	7I07024-20	Vapor	5	09/07/17 12:43	09/07/17 15:19
VOCs GRO Vapor as Hexane					
RW-1	7I07024-01	Vapor	5	09/07/17 10:24	09/07/17 15:19
RW-18	7I07024-02	Vapor	5	09/07/17 10:36	09/07/17 15:19
RW-9	7I07024-03	Vapor	5	09/07/17 10:56	09/07/17 15:19
RW-13	7I07024-04	Vapor	5	09/07/17 10:58	09/07/17 15:19
RW-26	7I07024-05	Vapor	5	09/07/17 11:47	09/07/17 15:19
RW-28	7I07024-06	Vapor	5	09/07/17 11:49	09/07/17 15:19
RW-23	7I07024-07	Vapor	5	09/07/17 12:09	09/07/17 15:19
RW-29	7I07024-08	Vapor	5	09/07/17 12:11	09/07/17 15:19
RW-30	7I07024-09	Vapor	5	09/07/17 12:13	09/07/17 15:19
RW-31	7I07024-10	Vapor	5	09/07/17 12:14	09/07/17 15:19
VEW-38	7I07024-11	Vapor	5	09/07/17 11:41	09/07/17 15:19
VEW-39	7I07024-12	Vapor	5	09/07/17 12:07	09/07/17 15:19
VEW-40	7I07024-13	Vapor	5	09/07/17 11:44	09/07/17 15:19
South Trunkline	7I07024-14	Vapor	5	09/07/17 09:57	09/07/17 15:19
East Trunkline	7I07024-15	Vapor	5	09/07/17 09:59	09/07/17 15:19
RW-20	7I07024-16	Vapor	5	09/07/17 12:34	09/07/17 15:19
RW-22	7I07024-17	Vapor	5	09/07/17 12:38	09/07/17 15:19

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: A5332306
Date Received: 09/07/17
Date Reported: 09/20/17

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
RW-24	7I07024-18	Vapor	5	09/07/17 12:40	09/07/17 15:19
RW-32	7I07024-19	Vapor	5	09/07/17 12:45	09/07/17 15:19
RW-33	7I07024-20	Vapor	5	09/07/17 12:43	09/07/17 15:19

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	1	**Prepared:**	09/08/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	09/08/17

RW-1

7I07024-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**20**	ug/L	0.50	**6.3**	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	**60**	ug/L	0.50	**16**	ppmv	0.13
o-Xylene	**8.9**	ug/L	0.50	**2.0**	ppmv	0.12
m,p-Xylenes	**32**	ug/L	1.0	**7.4**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	95.9 %	70-140
Dibromofluoromethane	82.9 %	70-140
Toluene-d8	96.7 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	1	**Prepared:**	09/08/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	09/08/17

RW-18

7I07024-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**7.1**	ug/L	0.50	**2.2**	ppmv	0.16
Ethylbenzene	**2.7**	ug/L	0.50	**0.62**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	**2.8**	ug/L	0.50	**0.74**	ppmv	0.13
o-Xylene	**2.3**	ug/L	0.50	**0.53**	ppmv	0.12
m,p-Xylenes	**9.6**	ug/L	1.0	**2.2**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	112 %	70-140
Dibromofluoromethane	96.1 %	70-140
Toluene-d8	105 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	1	**Prepared:**	09/08/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	09/08/17

RW-9

7I07024-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**2.4**	ug/L	0.50	**0.75**	ppmv	0.16
Ethylbenzene	**0.83**	ug/L	0.50	**0.19**	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	**1.8**	ug/L	1.0	**0.41**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	114 %	70-140
Dibromofluoromethane	96.0 %	70-140
Toluene-d8	105 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	1	**Prepared:**	09/08/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	09/08/17

RW-13

7I07024-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**19**	ug/L	0.50	**5.9**	ppmv	0.16
Ethylbenzene	**7.9**	ug/L	0.50	**1.8**	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	**6.4**	ug/L	0.50	**1.5**	ppmv	0.12
m,p-Xylenes	**28**	ug/L	1.0	**6.4**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	115 %	70-140
Dibromofluoromethane	88.5 %	70-140
Toluene-d8	100 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	2	**Prepared:**	09/08/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	09/09/17

RW-26

7I07024-05 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<1.0	ug/L	0.50	<0.31	ppmv	0.16
Ethylbenzene	**3.8**	ug/L	0.50	**0.88**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<4.0	ug/L	2.0	<1.1	ppmv	0.55
Toluene	<1.0	ug/L	0.50	<0.27	ppmv	0.13
o-Xylene	<1.0	ug/L	0.50	<0.23	ppmv	0.12
m,p-Xylenes	<2.0	ug/L	1.0	<0.46	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	107 %	70-140
Dibromofluoromethane	101 %	70-140
Toluene-d8	95.6 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	2	**Prepared:**	09/08/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	09/09/17

RW-28

7I07024-06 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**5.5**	ug/L	0.50	**1.7**	ppmv	0.16
Ethylbenzene	**35**	ug/L	0.50	**8.1**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<4.0	ug/L	2.0	<1.1	ppmv	0.55
Toluene	<1.0	ug/L	0.50	<0.27	ppmv	0.13
o-Xylene	**1.1**	ug/L	0.50	**0.25**	ppmv	0.12
m,p-Xylenes	**13**	ug/L	1.0	**3.0**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	104 %	70-140
Dibromofluoromethane	93.8 %	70-140
Toluene-d8	105 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	1	**Prepared:**	09/08/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	09/09/17

RW-23

7I07024-07 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.50	ug/L	0.50	<0.16	ppmv	0.16
Ethylbenzene	**1.1**	ug/L	0.50	**0.25**	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	125 %	70-140
Dibromofluoromethane	116 %	70-140
Toluene-d8	104 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	1	**Prepared:**	09/08/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	09/09/17

RW-29

7I07024-08 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**0.54**	ug/L	0.50	**0.17**	ppmv	0.16
Ethylbenzene	**0.56**	ug/L	0.50	**0.13**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
o-Xylene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
m,p-Xylenes	<1.0	ug/L	1.0	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	104 %	70-140
Dibromofluoromethane	112 %	70-140
Toluene-d8	99.8 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	2	**Prepared:**	09/08/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	09/09/17

RW-30

7I07024-09 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<1.0	ug/L	0.50	<0.31	ppmv	0.16
Ethylbenzene	**30**	ug/L	0.50	**6.9**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<4.0	ug/L	2.0	<1.1	ppmv	0.55
Toluene	<1.0	ug/L	0.50	<0.27	ppmv	0.13
o-Xylene	<1.0	ug/L	0.50	<0.23	ppmv	0.12
m,p-Xylenes	<2.0	ug/L	1.0	<0.46	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	117 %	70-140
Dibromofluoromethane	106 %	70-140
Toluene-d8	102 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	2	**Prepared:**	09/08/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	09/09/17

RW-31

7I07024-10 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**1.4**	ug/L	0.50	**0.44**	ppmv	0.16
Ethylbenzene	**13**	ug/L	0.50	**3.0**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<4.0	ug/L	2.0	<1.1	ppmv	0.55
Toluene	<1.0	ug/L	0.50	<0.27	ppmv	0.13
o-Xylene	**4.9**	ug/L	0.50	**1.1**	ppmv	0.12
m,p-Xylenes	**10**	ug/L	1.0	**2.3**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	116 %	70-140
Dibromofluoromethane	115 %	70-140
Toluene-d8	106 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	1	**Prepared:**	09/08/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	09/09/17

VEW-38

7I07024-11 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.50	ug/L	0.50	<0.16	ppmv	0.16
Ethylbenzene	**0.74**	ug/L	0.50	**0.17**	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	115 %	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:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	1	**Prepared:**	09/08/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	09/09/17

VEW-39

7I07024-12 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	131 %	70-140
Dibromofluoromethane	116 %	70-140
Toluene-d8	106 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	2	**Prepared:**	09/08/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	09/09/17

VEW-40

7I07024-13 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**3.1**	ug/L	0.50	**0.97**	ppmv	0.16
Ethylbenzene	**16**	ug/L	0.50	**3.7**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<4.0	ug/L	2.0	<1.1	ppmv	0.55
Toluene	<1.0	ug/L	0.50	<0.27	ppmv	0.13
o-Xylene	**1.1**	ug/L	0.50	**0.25**	ppmv	0.12
m,p-Xylenes	**9.4**	ug/L	1.0	**2.2**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	109 %	70-140
Dibromofluoromethane	97.1 %	70-140
Toluene-d8	116 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	1	**Prepared:**	09/08/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	09/09/17

South Trunkline

7I07024-14 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**0.94**	ug/L	0.50	**0.29**	ppmv	0.16
Ethylbenzene	**6.0**	ug/L	0.50	**1.4**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
o-Xylene	**0.71**	ug/L	0.50	**0.16**	ppmv	0.12
m,p-Xylenes	**2.4**	ug/L	1.0	**0.55**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	117 %	70-140
Dibromofluoromethane	118 %	70-140
Toluene-d8	105 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	1	**Prepared:**	09/08/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	09/09/17

East Trunkline

7I07024-15 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**12**	ug/L	0.50	**3.8**	ppmv	0.16
Ethylbenzene	**4.1**	ug/L	0.50	**0.94**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	**8.4**	ug/L	0.50	**2.2**	ppmv	0.13
o-Xylene	**3.2**	ug/L	0.50	**0.74**	ppmv	0.12
m,p-Xylenes	**12**	ug/L	1.0	**2.8**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	135 %	70-140
Dibromofluoromethane	100 %	70-140
Toluene-d8	114 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	1	**Prepared:**	09/08/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	09/09/17

RW-20

7I07024-16 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.50	ug/L	0.50	<0.16	ppmv	0.16
Ethylbenzene	**0.69**	ug/L	0.50	**0.16**	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	**1.4**	ug/L	1.0	**0.32**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	131 %	70-140
Dibromofluoromethane	118 %	70-140
Toluene-d8	110 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	1	**Prepared:**	09/08/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	09/09/17

RW-22

7I07024-17 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**1.4**	ug/L	0.50	**0.44**	ppmv	0.16
Ethylbenzene	**9.5**	ug/L	0.50	**2.2**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
o-Xylene	**2.1**	ug/L	0.50	**0.48**	ppmv	0.12
m,p-Xylenes	**14**	ug/L	1.0	**3.2**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	125 %	70-140
Dibromofluoromethane	106 %	70-140
Toluene-d8	108 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	1	**Prepared:**	09/08/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	09/09/17

RW-24

7I07024-18 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.50	ug/L	0.50	<0.16	ppmv	0.16
Ethylbenzene	**1.6**	ug/L	0.50	**0.37**	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	118 %	70-140
Dibromofluoromethane	123 %	70-140
Toluene-d8	103 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	1	**Prepared:**	09/08/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	09/09/17

RW-32

7I07024-19 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**0.54**	ug/L	0.50	**0.17**	ppmv	0.16
Ethylbenzene	**2.4**	ug/L	0.50	**0.55**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	<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	129 %	70-140
Dibromofluoromethane	117 %	70-140
Toluene-d8	107 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	1	**Prepared:**	09/08/17
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	09/09/17

RW-33

7I07024-20 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	<0.50	ug/L	0.50	<0.16	ppmv	0.16
Ethylbenzene	**1.5**	ug/L	0.50	**0.35**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	<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	128 %	70-140
Dibromofluoromethane	128 %	70-140
Toluene-d8	103 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	5	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	09/08/17

RW-1

7I07024-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**9600**	ug/L	20	**2300**	ppmv	4.9

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	1	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	09/08/17

RW-18

7I07024-02 (Vapor)

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

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	105 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	5	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	09/08/17

RW-9

7I07024-03 (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	93.2 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	5	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	09/08/17

RW-13

7I07024-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**7400**	ug/L	20	**1800**	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:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	25	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	09/08/17

RW-26

7I07024-05 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**13000**	ug/L	20	**3200**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	96.6 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	25	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	09/08/17

RW-28

7I07024-06 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**30000**	ug/L	20	**7300**	ppmv	4.9

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	5	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	09/08/17

RW-23

7I07024-07 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**340**	ug/L	20	**83**	ppmv	4.9

Surrogates	**%REC**	**%REC Limits**
a,a,a-Trifluorotoluene	86.6 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	5	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	09/08/17

RW-29

7I07024-08 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**3800**	ug/L	20	**930**	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:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	100	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	09/08/17

RW-30

7I07024-09 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**13000**	ug/L	20	**3200**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	99.7 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	25	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	09/08/17

RW-31

7I07024-10 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**12000**	ug/L	20	**2900**	ppmv	4.9

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	5	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	09/08/17

VEW-38

7I07024-11 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**1800**	ug/L	20	**440**	ppmv	4.9

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	1	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	09/08/17

VEW-39

7I07024-12 (Vapor)

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

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	25	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	09/08/17

VEW-40

7I07024-13 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**31000**	ug/L	20	**7600**	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:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	5	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	09/08/17

South Trunkline

7I07024-14 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**6600**	ug/L	20	**1600**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	94.2 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	1	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	09/08/17

East Trunkline

7I07024-15 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**3500**	ug/L	20	**860**	ppmv	4.9

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	1	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	09/08/17

RW-20

7I07024-16 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**250**	ug/L	20	**61**	ppmv	4.9

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	5	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	09/08/17

RW-22

7I07024-17 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**5000**	ug/L	20	**1200**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	91.0 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	5	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	09/08/17

RW-24

7I07024-18 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**3800**	ug/L	20	**930**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	92.1 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	5	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	09/08/17

RW-32

7I07024-19 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**3300**	ug/L	20	**810**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	99.6 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	5	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	09/08/17

RW-33

7I07024-20 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**2600**	ug/L	20	**640**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	97.8 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	5	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	09/08/17

RW-1

7I07024-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**9600**	ug/L	20	**2700**	ppmv	5.7

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	1	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	09/08/17

RW-18

7I07024-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**1300**	ug/L	20	**370**	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	105 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	5	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	09/08/17

RW-9

7I07024-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**1000**	ug/L	20	**280**	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	93.2 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	5	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	09/08/17

RW-13

7I07024-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**7400**	ug/L	20	**2100**	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)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	25	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	09/08/17

RW-26

7I07024-05 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**13000**	ug/L	20	**3700**	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	96.6 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	25	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	09/08/17

RW-28

7I07024-06 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**30000**	ug/L	20	**8500**	ppmv	5.7

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	5	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	09/08/17

RW-23

7I07024-07 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**340**	ug/L	20	**97**	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	86.6 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	5	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	09/08/17

RW-29

7I07024-08 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**3800**	ug/L	20	**1100**	ppmv	5.7

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:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	100	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	09/08/17

RW-30

7I07024-09 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**13000**	ug/L	20	**3700**	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	99.7 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	25	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	09/08/17

RW-31

7I07024-10 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**12000**	ug/L	20	**3400**	ppmv	5.7

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	5	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	09/08/17

VEW-38

7I07024-11 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**1800**	ug/L	20	**510**	ppmv	5.7

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	1	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	09/08/17

VEW-39

7I07024-12 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**120**	ug/L	20	**34**	ppmv	5.7

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	25	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	09/08/17

VEW-40

7I07024-13 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**31000**	ug/L	20	**8800**	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)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	5	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	09/08/17

South Trunkline

7I07024-14 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**6600**	ug/L	20	**1900**	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	94.2 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	1	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	09/08/17

East Trunkline

7I07024-15 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**3500**	ug/L	20	**1000**	ppmv	5.7

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	1	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	09/08/17

RW-20

7I07024-16 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**250**	ug/L	20	**71**	ppmv	5.7

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	5	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	09/08/17

RW-22

7I07024-17 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**5000**	ug/L	20	**1400**	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	91.0 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	5	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	09/08/17

RW-24

7I07024-18 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**3800**	ug/L	20	**1100**	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	92.1 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	5	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	09/08/17

RW-32

7I07024-19 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**3300**	ug/L	20	**940**	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	99.6 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17
Matrix:	Vapor	**Sampled:**	09/07/17
Dilution:	5	**Prepared:**	09/08/17
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	09/08/17

RW-33

7I07024-20 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**2600**	ug/L	20	**740**	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	97.8 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332306
Date Received: 09/07/17
Date Reported: 09/20/17

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 B7I0803 - *** DEFAULT PREP ****										
Blank (B7I0803-BLK1)				Prepared & Analyzed: 09/08/17						
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	*51.4*		*ug/L*	*50*		*103*	*70-140*			
Surrogate: Dibromofluoromethane	*49.8*		*ug/L*	*50*		*99.6*	*70-140*			
Surrogate: Toluene-d8	*50.6*		*ug/L*	*50*		*101*	*70-140*			
LCS (B7I0803-BS1)				Prepared & Analyzed: 09/08/17						
Benzene	**21.7**	0.50	ug/L	20		108	75-125			
Ethylbenzene	**23.6**	0.50	ug/L	20		118	75-125			
Methyl-tert-Butyl Ether (MTBE)	**44.5**	2.0	ug/L	40		111	75-125			
Toluene	**23.9**	0.50	ug/L	20		119	75-125			
o-Xylene	**23.8**	0.50	ug/L	20		119	75-125			
m,p-Xylenes	**45.0**	1.0	ug/L	40		112	75-125			
Surrogate: 4-Bromofluorobenzene	*48.4*		*ug/L*	*50*		*96.7*	*70-140*			
Surrogate: Dibromofluoromethane	*48.1*		*ug/L*	*50*		*96.3*	*70-140*			
Surrogate: Toluene-d8	*50.6*		*ug/L*	*50*		*101*	*70-140*			
LCS Dup (B7I0803-BSD1)				Prepared & Analyzed: 09/08/17						
Benzene	**20.3**	0.50	ug/L	20		102	75-125	6.57	30	
Ethylbenzene	**22.5**	0.50	ug/L	20		113	75-125	4.52	30	
Methyl-tert-Butyl Ether (MTBE)	**47.0**	2.0	ug/L	40		117	75-125	5.36	30	
Toluene	**21.1**	0.50	ug/L	20		105	75-125	12.4	30	
o-Xylene	**22.8**	0.50	ug/L	20		114	75-125	4.24	30	
m,p-Xylenes	**44.5**	1.0	ug/L	40		111	75-125	1.07	30	
Surrogate: 4-Bromofluorobenzene	*49.8*		*ug/L*	*50*		*99.6*	*70-140*			
Surrogate: Dibromofluoromethane	*48.2*		*ug/L*	*50*		*96.4*	*70-140*			
Surrogate: Toluene-d8	*49.6*		*ug/L*	*50*		*99.3*	*70-140*			
Duplicate (B7I0803-DUP1)			**Source: 7I07022-01**	Prepared & Analyzed: 09/08/17						

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: A5332306
Date Received: 09/07/17
Date Reported: 09/20/17

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 B7I0803 - *** DEFAULT PREP ****										
Duplicate (B7I0803-DUP1) Continued		**Source: 7I07022-01**		Prepared & Analyzed: 09/08/17						
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	*52.3*		*ug/L*	*50*		*105*	*70-140*			
Surrogate: Dibromofluoromethane	*51.4*		*ug/L*	*50*		*103*	*70-140*			
Surrogate: Toluene-d8	*51.4*		*ug/L*	*50*		*103*	*70-140*			
*Batch B7I1135 - *** DEFAULT PREP ****										
Blank (B7I1135-BLK1)				Prepared: 09/08/17 Analyzed: 09/09/17						
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	*52.7*		*ug/L*	*50*		*105*	*70-140*			
Surrogate: Dibromofluoromethane	*47.9*		*ug/L*	*50*		*95.8*	*70-140*			
Surrogate: Toluene-d8	*51.6*		*ug/L*	*50*		*103*	*70-140*			
LCS (B7I1135-BS1)				Prepared: 09/08/17 Analyzed: 09/09/17						
Benzene	**19.9**	0.50	ug/L	20		99.7	75-125			
Ethylbenzene	**21.8**	0.50	ug/L	20		109	75-125			
Methyl-tert-Butyl Ether (MTBE)	**42.0**	2.0	ug/L	40		105	75-125			
Toluene	**21.8**	0.50	ug/L	20		109	75-125			
o-Xylene	**22.5**	0.50	ug/L	20		113	75-125			
m,p-Xylenes	**46.2**	1.0	ug/L	40		116	75-125			
Surrogate: 4-Bromofluorobenzene	*48.0*		*ug/L*	*50*		*96.0*	*70-140*			
Surrogate: Dibromofluoromethane	*47.0*		*ug/L*	*50*		*93.9*	*70-140*			
Surrogate: Toluene-d8	*51.7*		*ug/L*	*50*		*103*	*70-140*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332306
Date Received: 09/07/17
Date Reported: 09/20/17

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 B7I1135 - *** DEFAULT PREP ****										
LCS Dup (B7I1135-BSD1)				Prepared: 09/08/17 Analyzed: 09/09/17						
Benzene	**19.2**	0.50	ug/L	20		96.2	75-125	3.52	30	
Ethylbenzene	**18.9**	0.50	ug/L	20		94.3	75-125	14.6	30	
Methyl-tert-Butyl Ether (MTBE)	**41.5**	2.0	ug/L	40		104	75-125	1.15	30	
Toluene	**19.1**	0.50	ug/L	20		95.6	75-125	13.3	30	
o-Xylene	**19.8**	0.50	ug/L	20		99.2	75-125	12.8	30	
m,p-Xylenes	**40.1**	1.0	ug/L	40		100	75-125	14.3	30	
Surrogate: 4-Bromofluorobenzene	*49.8*		*ug/L*	*50*		*99.7*	*70-140*			
Surrogate: Dibromofluoromethane	*48.2*		*ug/L*	*50*		*96.3*	*70-140*			
Surrogate: Toluene-d8	*50.7*		*ug/L*	*50*		*101*	*70-140*			
Duplicate (B7I1135-DUP1)			**Source: 7I07024-16**	Prepared: 09/08/17 Analyzed: 09/09/17						
Benzene	**<0.50**	0.50	ug/L		<0.50				30	
Ethylbenzene	**0.550**	0.50	ug/L		0.690			22.6	30	
Methyl-tert-Butyl Ether (MTBE)	**<2.0**	2.0	ug/L		<2.0				30	
Toluene	**<0.50**	0.50	ug/L		<0.50				30	
o-Xylene	**<0.50**	0.50	ug/L		<0.50				30	
m,p-Xylenes	**1.00**	1.0	ug/L		1.40			33.3	30	
Surrogate: 4-Bromofluorobenzene	*68.2*		*ug/L*	*50*		*136*	*70-140*			
Surrogate: Dibromofluoromethane	*66.6*		*ug/L*	*50*		*133*	*70-140*			
Surrogate: Toluene-d8	*54.5*		*ug/L*	*50*		*109*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B7I0804 - *** DEFAULT PREP ****										
Blank (B7I0804-BLK1)				Prepared & Analyzed: 09/08/17						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*49.8*		*ug/L*	*50*		*99.7*	*70-130*			
LCS (B7I0804-BS1)				Prepared & Analyzed: 09/08/17						
Gasoline Range Organics (GRO)	**469**	20	ug/L	500		93.9	75-125			
Surrogate: a,a,a-Trifluorotoluene	*47.7*		*ug/L*	*50*		*95.4*	*70-130*			
LCS Dup (B7I0804-BSD1)				Prepared & Analyzed: 09/08/17						
Gasoline Range Organics (GRO)	**460**	20	ug/L	500		92.0	75-125	1.96	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332306
Date Received: 09/07/17
Date Reported: 09/20/17

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 B7I0804 - *** DEFAULT PREP ****										
LCS Dup (B7I0804-BSD1) Continued				Prepared & Analyzed: 09/08/17						
Surrogate: a,a,a-Trifluorotoluene	*48.5*		*ug/L*	*50*		*97.0*	*70-130*			
Duplicate (B7I0804-DUP1)		**Source: 7I07024-16**		Prepared & Analyzed: 09/08/17						
Gasoline Range Organics (GRO)	**202**	20	ug/L		250			21.3	30	
Surrogate: a,a,a-Trifluorotoluene	*52.0*		*ug/L*	*50*		*104*	*70-130*			
Gasoline Range Organics in Vapor as Hexane - Quality Control										
*Batch B7I0804 - *** DEFAULT PREP ****										
Blank (B7I0804-BLK1)				Prepared & Analyzed: 09/08/17						
GRO as Hexane	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*49.8*		*ug/L*	*50*		*99.7*	*70-130*			
LCS (B7I0804-BS1)				Prepared & Analyzed: 09/08/17						
GRO as Hexane	**469**	20	ug/L	500		93.9	75-125			
Surrogate: a,a,a-Trifluorotoluene	*47.7*		*ug/L*	*50*		*95.4*	*70-130*			
LCS Dup (B7I0804-BSD1)				Prepared & Analyzed: 09/08/17						
GRO as Hexane	**460**	20	ug/L	500		92.0	75-125	1.96	30	
Surrogate: a,a,a-Trifluorotoluene	*48.5*		*ug/L*	*50*		*97.0*	*70-130*			
Duplicate (B7I0804-DUP1)		**Source: 7I07024-16**		Prepared & Analyzed: 09/08/17						
GRO as Hexane	**202**	20	ug/L		250			21.3	30	
Surrogate: a,a,a-Trifluorotoluene	*52.0*		*ug/L*	*50*		*104*	*70-130*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332306
Project No:	04-NDLA-013	**Date Received:**	09/07/17
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/20/17

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

13640

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

Client: The Source Group, Inc.	**Project Name / No.:** DFSP - Norwalk / 091-NDLA-018	**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)

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs as Gas 8015	BTEX/MTBE 8260B	Total VOCs Hexane 8015	Special Instructions
						ANALYSIS REQUESTED (Test Name)			
						Please enter the TAT Turnaround Codes ** below			
RW-1	7I07024-01	9-7-17	1024	Air	1	✓	✓	✓	
RW-18	-02		1036	Air	1	✓	✓	✓	
RW-9	-03		1056	Air	1	✓	✓	✓	
RW-13	-04		1058	Air	1	✓	✓	✓	
RW-26	-05		1147	Air	1	✓	✓	✓	
RW-28	-06		1149	Air	1	✓	✓	✓	
RW-23	-07		1209	Air	1	✓	✓	✓	
RW-29	-08		1211	Air	1	✓	✓	✓	
RW-30	-09		1213	Air	1	✓	✓	✓	SAMPLE INTEGRITY
RW-31	-10		1214	Air	1	✓	✓	✓	INTACT (Y) N TEMP N/A
VEW-38	-11		1141	Air	1	✓	✓	✓	
VEW-39	-12		1207	Air	1	✓	✓	✓	
VEW-40	-13		1144	Air	1	✓	✓	✓	
South Trunkline	-14		0957	Air	1	✓	✓	✓	
East Trunkline	-15		0959	Air	1	✓	✓	✓	

Rush ____ Hrs SH
Date 9/7/17 Time 16:00 Sign
19533 2306 / 7I07024

	Relinquished by	Date	Time	Received by
1	Glenn Andrasko	9-7-17	1344	
2		9/7/17	15:19	
3				

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

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

13641

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

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

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B								Special Instructions
RW-20	7I07024-16	9-7-17	1234	Air	1	✓	✓	✓								
RW-22	-17	↓	1238	Air	1	✓	✓	✓								
RW-24	-18		1240	Air	1	✓	✓	✓								
RW-32	-19		1245	Air	1	✓	✓	✓								
RW-33	-20		1243	Air	1	✓	✓	✓								

PRIORITY ✓
Rush 24 Hrs 5H
Date 9/7/17 Time 1600 Sign

Relinquished by: Glenn Androsko	Date: 9-7-17	Time: 1344	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

17SEP 7 1544

A5332306 / 7I07024

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

September 26, 2017

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5332312 / 7I13013

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 09/13/17 12:46 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332312
Date Received: 09/13/17
Date Reported: 09/26/17

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B TPHGASOLINEBTEXOXY					
Surge Tank	7I13013-01	Water	5	09/13/17 10:57	09/13/17 12:46
After GAC-1	7I13013-02	Water	5	09/13/17 10:51	09/13/17 12:46
After GAC-2	7I13013-03	Water	5	09/13/17 10:46	09/13/17 12:46
Arsenic Total EPA 200.7					
Surge Tank	7I13013-01	Water	5	09/13/17 10:57	09/13/17 12:46
After Zeolite Bed-1	7I13013-04	Water	5	09/13/17 10:42	09/13/17 12:46
After Zeolite Bed-2	7I13013-05	Water	5	09/13/17 10:40	09/13/17 12:46
Diesel Range Organics 8015M					
Surge Tank	7I13013-01	Water	5	09/13/17 10:57	09/13/17 12:46
After GAC-1	7I13013-02	Water	5	09/13/17 10:51	09/13/17 12:46
After GAC-2	7I13013-03	Water	5	09/13/17 10:46	09/13/17 12:46

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: A5332312
Date Received: 09/13/17
Date Reported: 09/26/17
Units: ug/L

Date Sampled:	09/13/17	09/13/17	09/13/17		
Date Prepared:	09/19/17	09/19/17	09/19/17		
Date Analyzed:	09/19/17	09/19/17	09/19/17		
AA ID No:	7I13013-01	7I13013-02	7I13013-03		
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	<0.20	<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)	**0.69 J**	**0.47 J**	**0.42 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	102%	104%	108%		70-140
Dibromofluoromethane	103%	97%	108%		70-140
Toluene-d8	99%	104%	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: A5332312
Date Received: 09/13/17
Date Reported: 09/26/17
Units: ug/L

Date Sampled:	09/13/17	09/13/17	09/13/17		
Date Prepared:	09/14/17	09/14/17	09/14/17		
Date Analyzed:	09/16/17	09/16/17	09/16/17		
AA ID No:	7I13013-01	7I13013-02	7I13013-03		
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	**84 J**	**72 J**	<60	60	100
Surrogates				**%REC Limits**	
o-Terphenyl	135%	128%	109%	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: A5332312
Date Received: 09/13/17
Date Reported: 09/26/17

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
Arsenic Total EPA 200.7 (EPA 200.7)									
7I13013-01	Surge Tank	09/13/17	09/15/17	09/19/17	1	**0.068**	mg/L	0.006	0.007
7I13013-04	After Zeolite Bed-1	09/13/17	09/15/17	09/19/17	1	**0.021**	mg/L	0.006	0.007
7I13013-05	After Zeolite Bed-2	09/13/17	09/15/17	09/19/17	1	**0.020**	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: A5332312
Date Received: 09/13/17
Date Reported: 09/26/17

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 B7I1919 - EPA 5030B										
Blank (B7I1919-BLK1)				Prepared & Analyzed: 09/19/17						
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	*52.4*		*ug/L*	*50*		*105*	*70-140*			
Surrogate: Dibromofluoromethane	*52.9*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Toluene-d8	*49.5*		*ug/L*	*50*		*99.1*	*70-140*			
LCS (B7I1919-BS1)				Prepared & Analyzed: 09/19/17						
tert-Amyl Methyl Ether (TAME)	**16.2**	0.30	ug/L	20		81.0	70-130			
Benzene	**16.2**	0.20	ug/L	20		81.2	75-125			
tert-Butyl alcohol (TBA)	**90.4**	7.0	ug/L	100		90.4	70-130			
Diisopropyl ether (DIPE)	**19.7**	0.50	ug/L	20		98.7	70-130			
Ethylbenzene	**21.2**	0.20	ug/L	20		106	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**16.4**	0.40	ug/L	20		82.1	70-130			
Gasoline Range Organics (GRO)	**462**	40	ug/L	500		92.4	70-130			
Methyl-tert-Butyl Ether (MTBE)	**40.0**	0.40	ug/L	40		99.9	70-135			
Toluene	**21.8**	0.30	ug/L	20		109	75-125			
o-Xylene	**21.9**	0.30	ug/L	20		110	75-125			
m,p-Xylenes	**45.3**	0.40	ug/L	40		113	70-130			
Surrogate: 4-Bromofluorobenzene	*49.2*		*ug/L*	*50*		*98.4*	*70-140*			
Surrogate: Dibromofluoromethane	*45.3*		*ug/L*	*50*		*90.6*	*70-140*			
Surrogate: Toluene-d8	*55.8*		*ug/L*	*50*		*112*	*70-140*			
Matrix Spike (B7I1919-MS1)		**Source: 7I13012-01**		Prepared: 09/19/17 Analyzed: 09/20/17						

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: A5332312
Date Received: 09/13/17
Date Reported: 09/26/17

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 B7I1919 - EPA 5030B										
Matrix Spike (B7I1919-MS1) Continued			**Source: 7I13012-01**			Prepared: 09/19/17	Analyzed: 09/20/17			
tert-Amyl Methyl Ether (TAME)	**16.2**	0.30	ug/L	20		81.2	70-130			
Benzene	**17.1**	0.20	ug/L	20		85.5	70-130			
tert-Butyl alcohol (TBA)	**86.9**	7.0	ug/L	100		86.9	70-130			
Diisopropyl ether (DIPE)	**20.2**	0.50	ug/L	20		101	70-130			
Ethylbenzene	**21.8**	0.20	ug/L	20		109	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**16.8**	0.40	ug/L	20		83.8	70-130			
Methyl-tert-Butyl Ether (MTBE)	**39.9**	0.40	ug/L	40		99.8	70-130			
Toluene	**23.2**	0.30	ug/L	20		116	70-130			
o-Xylene	**23.4**	0.30	ug/L	20		117	70-130			
m,p-Xylenes	**46.5**	0.40	ug/L	40		116	70-130			
Surrogate: 4-Bromofluorobenzene	*48.3*		*ug/L*	*50*		*96.6*	*70-140*			
Surrogate: Dibromofluoromethane	*47.6*		*ug/L*	*50*		*95.2*	*70-140*			
Surrogate: Toluene-d8	*57.3*		*ug/L*	*50*		*115*	*70-140*			
Matrix Spike Dup (B7I1919-MSD1)			**Source: 7I13012-01**			Prepared: 09/19/17	Analyzed: 09/20/17			
tert-Amyl Methyl Ether (TAME)	**18.1**	0.30	ug/L	20		90.3	70-130	10.6	30	
Benzene	**16.4**	0.20	ug/L	20		82.0	70-130	4.12	30	
tert-Butyl alcohol (TBA)	**92.0**	7.0	ug/L	100		92.0	70-130	5.61	30	
Diisopropyl ether (DIPE)	**19.2**	0.50	ug/L	20		96.0	70-130	4.88	30	
Ethylbenzene	**21.6**	0.20	ug/L	20		108	70-130	0.966	30	
Ethyl-tert-Butyl Ether (ETBE)	**16.4**	0.40	ug/L	20		82.2	70-130	1.87	30	
Methyl-tert-Butyl Ether (MTBE)	**38.4**	0.40	ug/L	40		96.1	70-130	3.80	30	
Toluene	**22.0**	0.30	ug/L	20		110	70-130	5.19	30	
o-Xylene	**21.9**	0.30	ug/L	20		109	70-130	6.50	30	
m,p-Xylenes	**45.1**	0.40	ug/L	40		113	70-130	3.14	30	
Surrogate: 4-Bromofluorobenzene	*50.0*		*ug/L*	*50*		*100*	*70-140*			
Surrogate: Dibromofluoromethane	*45.3*		*ug/L*	*50*		*90.5*	*70-140*			
Surrogate: Toluene-d8	*57.0*		*ug/L*	*50*		*114*	*70-140*			
Diesel Range Organics by GC/FID - Quality Control										
Batch B7I1420 - EPA 3510C										
Blank (B7I1420-BLK1)						Prepared: 09/14/17	Analyzed: 09/16/17			

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: A5332312
Date Received: 09/13/17
Date Reported: 09/26/17

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 B7I1420 - EPA 3510C										
Blank (B7I1420-BLK1) Continued				Prepared: 09/14/17 Analyzed: 09/16/17						
Diesel Range Organics as Diesel	<60	60	ug/L							
Surrogate: o-Terphenyl	*50.5*		*ug/L*	*40*		*126*	*50-150*			
LCS (B7I1420-BS1)				Prepared: 09/14/17 Analyzed: 09/16/17						
Diesel Range Organics as Diesel	**712**	60	ug/L	800		89.0	75-125		30	
Surrogate: o-Terphenyl	*54.2*		*ug/L*	*40*		*135*	*50-150*			
LCS Dup (B7I1420-BSD1)				Prepared: 09/14/17 Analyzed: 09/16/17						
Diesel Range Organics as Diesel	**814**	60	ug/L	800		102	75-125	13.3	30	
Surrogate: o-Terphenyl	*58.8*		*ug/L*	*40*		*147*	*50-150*			
Total Metals by ICP Atomic Emission Spectroscopy - Quality Control										
Batch B7I1516 - EPA 3010A										
Blank (B7I1516-BLK1)				Prepared: 09/15/17 Analyzed: 09/19/17						
Arsenic	<0.0060	0.0060	mg/L							
LCS (B7I1516-BS1)				Prepared: 09/15/17 Analyzed: 09/19/17						
Arsenic	**1.06**	0.0060	mg/L	1.0		106	80-120		20	
LCS Dup (B7I1516-BSD1)				Prepared: 09/15/17 Analyzed: 09/19/17						
Arsenic	**1.08**	0.0060	mg/L	1.0		108	80-120	1.03	20	
Duplicate (B7I1516-DUP1)		**Source: 7I13013-04**		Prepared: 09/15/17 Analyzed: 09/19/17						
Arsenic	**0.0216**	0.0060	mg/L		0.0208			3.77	30	
Matrix Spike (B7I1516-MS1)		**Source: 7I13012-01**		Prepared: 09/15/17 Analyzed: 09/19/17						
Arsenic	**1.02**	0.0060	mg/L	1.0		102	75-125		20	
Matrix Spike Dup (B7I1516-MSD1)		**Source: 7I13012-01**		Prepared: 09/15/17 Analyzed: 09/19/17						
Arsenic	**1.05**	0.0060	mg/L	1.0		105	75-125	3.01	20	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332312
Project No:	04-NDLA-013	**Date Received:**	09/13/17
Project Name:	DFSP Norwalk GWETS NPDES Monthly	**Date Reported:**	09/26/17

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

13671

Client:	APEX/The Source Group, Inc.	**Project Name / No.:**	DFSP - Norwalk / 091-NDLA	**Sampler's Name:**	Glenn Andraske
Project Manager:	Neil Irish	**Site Address:**	15306 Norwalk Blvd	**Sampler's Signature:**	Glenn Andraske
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	TPHd 8015M	TPHg/BTEX/Oxys 8260B	Arsenic 200.7	Special Instructions
						Please enter the TAT Turnaround Codes ** below			
Surge Tank	71/3013-01	9-13-17	1057	Water	5	✓	✓	✓	
After GAC-1	-02	↓	1051	Water	4	✓	✓		
After GAC-2	-03		1046	Water	4	✓	✓		
After Zolite Bed-1	-04		1042	Water	1			✓	
After Zolite Bed-2	-05	↓	1040	Water	1			✓	SAMPLE INTEGRITY INTACT Y N TEMP 4°C

REVIEWED Date 9/13/17 Time 1430 TAT N Days Sign:

AB33232-71L3013

Relinquished by	Date	Time	Received by
Glenn Andraske	9-13-17	1120	
Relinquished by	Date	Time	Received by
	9-13-17	1246	
Relinquished by	Date	Time	Received by

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

APPENDIX B

WASTE MANIFEST

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
CA8971524360	1	(310) 241-2834	010627337 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)
DESP Norwalk
15306 Norwalk Blvd.
Norwalk, CA 90650

6. Transporter 1 Company Name: BELSHIRE — U.S. EPA ID Number: CAR000163913

7. Transporter 2 Company Name: Nieto and Son Trucking, Inc — U.S. EPA ID Number: CAT080016110

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)	001	DM	50	G	D001	132	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
ERG#: 126 - Jet fuel and water mixture
Apex contact: Glenn Androsko
714-508-1089
WEAR ALL APPROPRIATE PROTECTIVE CLOTHING
BESI: 284233
1 x 55

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

Generator's/Offeror's Printed/Typed Name: Todd E. Williams — Signature — Month: 07 Day: 13 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: Thomas Buth — Signature — Month: 07 Day: 13 Year: 17

Transporter 2 Printed/Typed Name: Imsaena! — Signature — Month: 7 Day: 20 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: Hugo Cruz — Signature — Month: 07 Day: 20 Year: 17

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. TRANSPORTER'S COPY

15306Norl 1638714

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 - Third Quarter 2017
Report Type:	Operation and Maintenance Plan/Monitoring Report
Report Date:	11/15/2017
Facility Global ID:	SLT43185183
Facility Name:	Norwalk, Fuel Terminal DFSP - DOD - NORWALK DFSP
File Name:	DFSP Norwalk Remediation Status Report_Q3-17_FINAL.PDF
Organization Name:	The Source Group, Inc.
Username:	SIGNAL HILL
IP Address:	66.214.148.134
Submittal Date/Time:	11/15/2017 11:49:15 AM
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