REMEDIATION STATUS REPORT - FIRST QUARTER 2016

DEFENSE FUEL SUPPORT POINT NORWALK
15306 Norwalk Boulevard
Norwalk, California

04-NDLA-013

Prepared For:

Defense Logistics Agency - 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

April 22, 2016

Prepared By:

Michael Wood
Senior Engineer

Reviewed By:

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

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LIST OF ACRONYMS

DLA Energy	Defense Logistics Agency - Energy
APEX-SGI	The Source Group a Division of Apex Companies, LLC.
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	Soil 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

gpm	Gallons per Minute
OVA	Organic Vapor Analyzer

1.0 INTRODUCTION

On behalf of our client, Defense Logistics Agency - Energy (DLA Energy), The Source Group a Division of Apex Companies, LLC (Apex-SGI) presents this report to summarize remediation system operations during this reporting period 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. Remediation systems by DLA Energy were installed to treat the hydrocarbon impacts in soil and groundwater. The purposes of these remediation systems 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 DLA Energy 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 former water tank and truck fueling areas.

1.2 Remediation Technologies

The remediation technologies utilized at the Site have consisted of soil vapor extraction (SVE), groundwater extraction (GWE), biosparging, and light non-aqueous phase liquid (LNAPL) removal. The aboveground treatment of contaminated vadose zone soils excavated at the Site has also been conducted since April 2015. A summary of Site remediation wells, including well identification, well construction information, well function, and operational status, is presented in Table 1. The remediation system layout (well and piping locations) is presented in Figure 2.

1.2.1 Soil Vapor Extraction System

The SVE well network for hydrocarbon extraction from vadose zone subsurface impacts historically includes wells installed in the following areas as illustrated on Figure 2: former AST 80001 area (VEW-23), former AST 80006 and 80007 areas (VEW-20, VEW-21, VEW-22, HW-1, and HW-3), former AST 80008 area (VEW-24, VEW-25, VEW-26, VEW-27, HW-5, and HW-7), former AST 55004 area (VEW-28, VEW-29, and VEW-30), eastern boundary area (VEW-32, VEW-33, VEW-34, VEW-35, VEW-36, and VEW-37), former water tank area (VEW-31), and 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 groundwater extraction and treatment system (GWETS), as described below.

Following the knockout tank, the soil vapors are treated through four granular activated carbon (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 South Coast Air Quality Management District (SCAQMD) Permit to Construct A/N 568793, formerly Permit to Operate G12863, A/N 518989. The new Permit to Construct was issued on March 6, 2015 to reflect the addition of on-site, aboveground soil treatment activities. Active SVE wells are identified in Section 3.1 and Tables 3a through 3c.

1.2.2 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 GWETS utilizes electric pumps in each of the GWE wells to pump groundwater in to a shared surge tank. Groundwater is transferred via a transfer pump from the surge tank through three bag filter vessels in series (BF1, BF2, and BF3), two MYCELX vessels in series (MX-7 and MX-21), three 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 (for arsenic treatment) in series prior to being discharged to the storm drain.

Operation of the GWETS is conducted in accordance with National Pollutant Discharge Elimination System (NPDES) permit CAG994004, CI No. 7585 and SCAQMD Permit to Operate G6962, A/N 501180. Active GWE wells are identified in Section 3.2 and Tables 2a through 2c.

1.2.3 Biosparge System

The biosparge wells for hydrocarbon removal from dissolved-phase subsurface impacts are located in areas throughout the tank farm area and eastern boundary area. The biosparge system is currently off-line due to ongoing soil cleanup activities.

1.2.4 LNAPL Removal

LNAPL removal has been conducted via manual bailing, vacuum truck, passive skimming, active pumping using a product skimming system and absorbent socks. Wells are gauged periodically and LNAPL removal is conducted based on the measured LNAPL thickness in each target well. LNAPL removal wells are identified in Section 3.3 and Tables 8a through 8g.

1.2.5 Aboveground Soil Treatment

Per Apex-SGI's *Remediation Status Report – First Quarter 2015*, dated May 1, 2015, the excavation of contaminated vadose zone soils at the Site began during January 2015 and continued during the current reporting period. Treatment is achieved via the construction of biopiles that are connected to the SVE system for SCAQMD permit compliance purposes. It is anticipated that up to 100,000 cubic yards of petroleum hydrocarbon contaminated soil will be remediated to depths up to 35 feet. The goal of this remediation is to remove source area soils that continue to contribute to the degradation of groundwater and to ready the real property of the Site for eventual conveyance.

2.0 OPERATIONS, MAINTENANCE, AND MONITORING

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

- Performed 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; and
- Monitored aboveground soil treatment piles.

Remediation system inspections were performed on a minimum weekly basis during operation. For these inspections, vapor flow rate, vacuum, volumes of extracted groundwater, hours of operation, and other system parameters were recorded during system operation. Remediation system operations activities for the reporting period are summarized in Tables 2a, 2b, 2c, 3a, 3b, and 3c.

2.1 Soil Vapor Extraction System

The VES operated throughout the majority of the reporting period except for some brief off-line periods in mid-January and early February to conduct routine system maintenance and/or carbon change out activities, as well as due to an automatic system shutdown in early March.

Performance and compliance soil vapor samples from the VES were collected during the reporting period on January 13, February 10, and March 2, 2016. The vapor 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 vapor samples were analyzed for the following:

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

A historical summary of influent vapor 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 Groundwater Extraction and Treatment System

The GWETS operated throughout the majority of the reporting period, and was only off-line for a significant period between March 17 and 25, 2016 pending the completion of Arsenic treatment media change out work. Performance and compliance water samples from the GWETS were collected during the

reporting period on January 12, February 1, and March 14, 2016. The water samples were delivered to ELAP certified American for analysis.

The water samples were analyzed for the following:

- TPHg and TPH quantified as diesel (TPHd) using EPA Method 8015M;
- VOCs using EPA Method 8260B;
- Metals (arsenic and copper) using EPA 6020;
- Oil and grease using Standard Method (SM) 5520 B;
- Turbidity using SM 2130 B;
- Sulfides using SM 4500 S2-D;
- Residual chlorine using SM 4500-CL F;
- 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 420.1; and
- Biological oxygen demand (BOD) using SM 5210 B.

The GWETS effluent groundwater sampling results were provided under separate cover in Apex-SGI's *Groundwater Discharge Monitoring Report*, dated April 8, 2016. A historical summary of influent water analytical sample results is provided in Table 5. The laboratory analytical reports and chain-of-custody documents for these samples are included in Appendix A.

2.3 LNAPL Removal

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 product skimming system and by utilizing absorbent socks installed in select wells. LNAPL gauging results and estimated mass and volume removal are summarized in Tables 8a through 8g.

2.4 Aboveground Soil Treatment

Soil biopiles were initially connected to the VES and brought online April 24, 2015 following the completion of aboveground treatment cell construction activities. Biopile OM&M continued throughout the current reporting period. Details associated with the OM&M of the biopiles are provided in Tables 3a through 3c.

Further details regarding treatment cell construction and excavated soil cleanup activities are provided in Apex-SGI's Quarter 1, 2016 *Waste Discharge Requirements Progress Report.*

3.0 SUMMARY OF REMEDIATION PROGRESS

The following sections describe remedial progress at the Site.

3.1 Soil Vapor Extraction System

During the reporting period, the VES extracted soil vapors from three of the four horizontal wells that span through the entire former tank farm area (HW-1, HW-3, HW-5), and two vertical wells in the northeastern area (VEW-32 and VEW-33), and ex-situ biopiles from vadose zone soil excavation and treatment activities. 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 quarter (First Quarter 2016) period was approximately 2,464 pounds and approximately 2,945,262 pounds since April 1996 (Tables 3a, 3b, and 3c). The total mass removed by SVE does not include the mass removed in-situ via biodegradation.

3.2 Groundwater Extraction and Treatment System

During the reporting period, the GWETS extracted groundwater from the northwest (GW-2 and GW-13) and northeast (GW-15 and GW-16) areas of the Site. The total volume of groundwater extracted by the GWETS this quarter was approximately 496,032 gallons and approximately 74,355,760 gallons since April 1996. Based on the TPHd results for influent water samples and total groundwater extracted, the mass of TPHd removed by GWE was approximately 3.2 pounds (Table 2c) this quarter and approximately 9,941 pounds since April 1996 (Table 2c).

3.3 LNAPL Removal

During the reporting period, DTW and DTP was measured in GMW-62 located off site in Holifield Park and GMW-21, TF-18, TF-19 and GMW-7. LNAPL was removed via manual bailing, active pumping using a product skimming system and by utilizing absorbent socks installed in select wells. Approximately 150.2 gallons (1,028 pounds) of LNAPL was recovered from the Site this quarter (Tables 8a through 8g).

3.4 Aboveground Soil Treatment

A total of 15 new biopiles were brought online during the reporting period with 11 other piles being taken off-line by the end of the quarter based on confirmation of treatment to below the SCAQMD permit required limit for active SVE. Upon completion of biological treatment, the appropriate soil piles will be properly backfilled and compacted at the Site following confirmation of cleanup via soil sampling and LARWQCB approval to proceed.

4.0 SYSTEM EVALUATION AND OPTIMIZATION

Remedial system optimization is ongoing to ensure most effective operation for cleanup at the Site.

For the VES, vapor-phase VOC concentrations from the horizontal and vertical wells remained relatively stable this quarter with wells HW-7, and VEW-34 through VEW-37 being left off-line based on continued low/asymptotic field readings (Table 6). Extraction from the remaining horizontal and vertical wells (i.e., HW-1, HW-3, HW-5, VEW-32 and VEW-33) continued during the reporting period based on field readings (Table 6) and February 2016 confirmation analytical sampling results (Table 7).

Ex-situ soil biopile VOC concentrations exhibited an overall decreasing trend during the majority of the reporting period with no dilution air being required to balance the system since late December 2015. This is largely due to the relatively low number of new biopiles that were brought online as the excavation portion of the project nears completion. As indicated on Tables 3a through 3c, individual well and biopile vapor concentrations were measured with an organic vapor analyzer (OVA) in an effort to optimize system performance. SGI will continue to monitor individual well and biopile influent vapor concentrations, and modify which wells/biopiles are online along with adjusting valve positions, as necessary.

As indicated by 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 northeast area and northwest corner 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. 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, as needed.

5.0 PLANNED SECOND QUARTER 2016 ACTIVITIES

During the next reporting period, DLA Energy plans to continue to focus in-situ remedial efforts on the northwest, northeast, and north-central areas of the Site along with conducting further ex-situ soil treatment. Following is a summary of planned Second Quarter 2016 OM&M activities:

- Continue weekly maintenance and monitoring of the VES and GWETS;
- Measure individual well vapor concentrations with an OVA;
- Collect individual well vapor samples for laboratory analysis;
- Continue regular LNAPL gauging and product removal activities, including adding recently installed wells RTF-18-N, RTF-18-E, RTF-18-W, RTF-18-NW and RTF-18-NNW, located in north-central portion of the site (Table 1) to the product removal network;
- Review LNAPL gauging and removal data to optimize removal methods along with conducting bail down testing activities for each of the five recently installed product wells in the north-central portion of the site (Table 1);
- Collect and analyze system influent and effluent vapor and groundwater samples;
- Continue to evaluate GWE flow rates and confirm contaminant containment;
- Continue on-site soil excavation, treatment cell construction and ex-situ biopile remediation;
- Continue backfilling/compacting appropriate biopiles following confirmation of soil cleanup goals and LARWQCB approval to proceed; and
- Evaluate re-implementation of the biosparge system upon completion of soil cleanup activities.

Ongoing remediation activities and progress will be described in the *Second Quarter 2016 Remediation Progress Report* to be submitted by August 15, 2016.

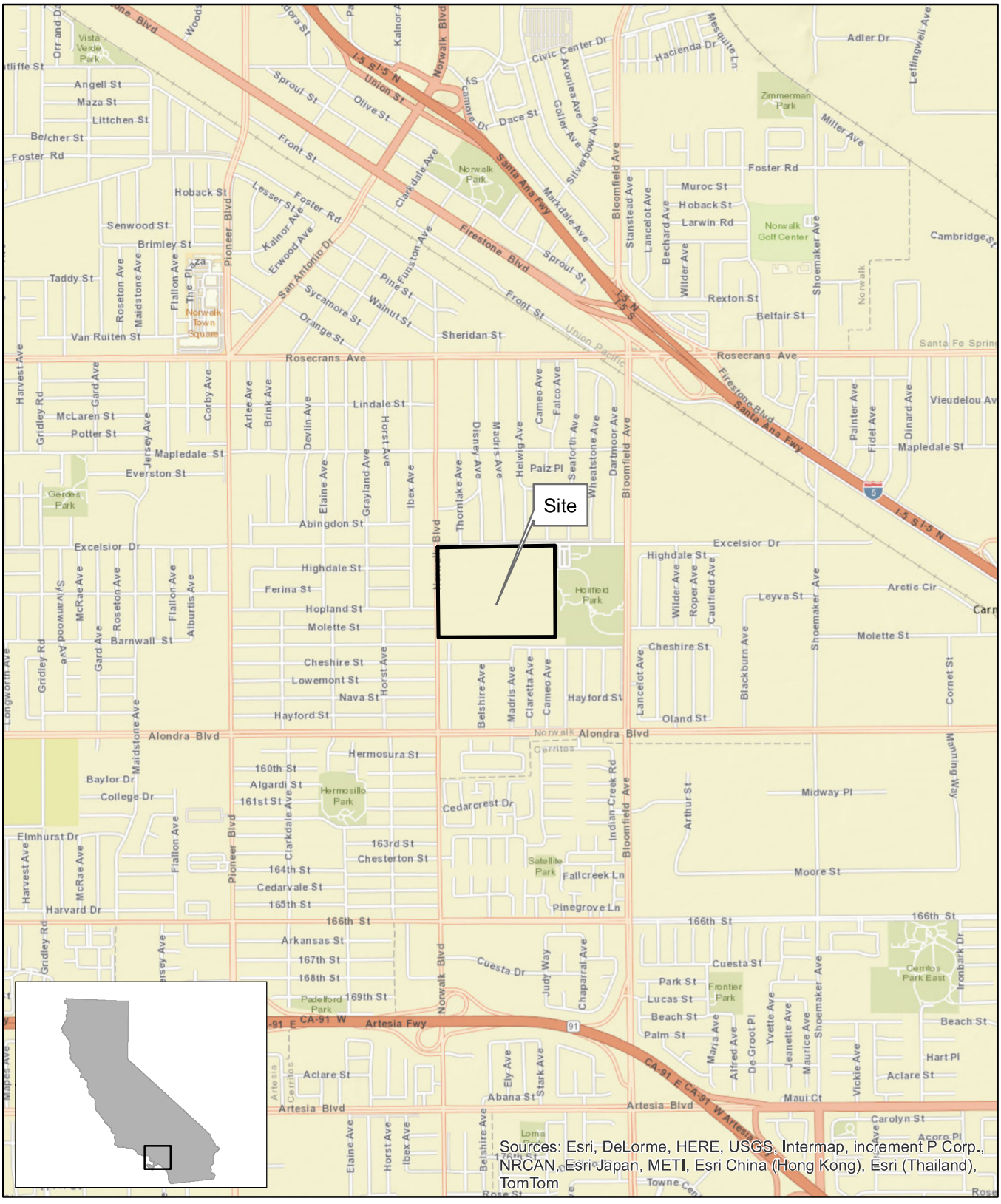
6.0 LIMITATIONS

This document was prepared for the exclusive use of the Defense Logistics Agency - Energy (DLA Energy) and the California Regional Water Quality Control Board, Los Angeles Region (LARWQCB) for the express purpose of complying with a client or regulatory directive for environmental investigation or restoration. Apex-SGI and DLA Energy must approve any re-use of this work product in whole or in part for a different purpose or by others in writing. If any such unauthorized use occurs, it shall be at the user's sole risk without liability to Apex-SGI or DLA Energy.

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

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

FIGURES



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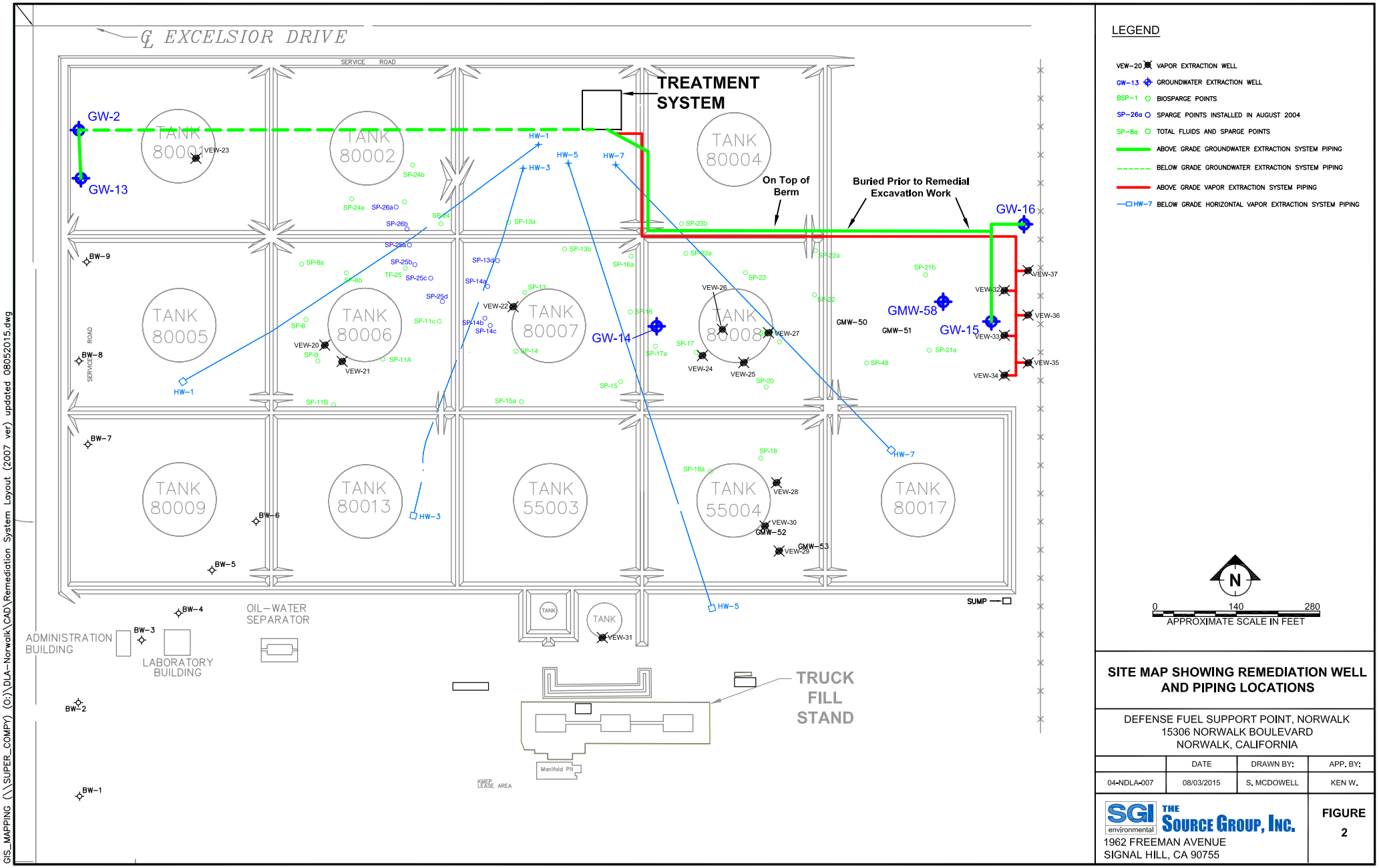
SGI environmental THE SOURCE GROUP, INC.
1962 FREEMAN AVENUE
SIGNAL HILL, CA 90755
(562) 597-1055

DEFENSE FUEL SUPPORT POINT NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

SITE LOCATION MAP

FIGURE 1

Document Name: Fig-1_Norwalk_Site_Location_Map



LEGEND

- VEW-20 VAPOR EXTRACTION WELL
- GW-13 GROUNDWATER EXTRACTION WELL
- BSP-1 BIOSPARGE POINTS
- SP-26a SPARGE POINTS INSTALLED IN AUGUST 2004
- SP-8a TOTAL FLUIDS AND SPARGE POINTS
- ABOVE GRADE GROUNDWATER EXTRACTION SYSTEM PIPING
- BELOW GRADE GROUNDWATER EXTRACTION SYSTEM PIPING
- ABOVE GRADE VAPOR EXTRACTION SYSTEM PIPING
- HW-7 BELOW GRADE HORIZONTAL VAPOR EXTRACTION SYSTEM PIPING

N

0 140 280

APPROXIMATE SCALE IN FEET

SITE MAP SHOWING REMEDIATION WELL AND PIPING LOCATIONS

DEFENSE FUEL SUPPORT POINT, NORWALK
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

	DATE	DRAWN BY:	APP. BY:
04-NDLA-007	08/03/2015	S. MCDOWELL	KEN W.

SGI environmental THE SOURCE GROUP, INC.
1962 FREEMAN AVENUE
SIGNAL HILL, CA 90755

FIGURE 2

GIS_MAPPING (\\SUPER_COMPY) (O:)\DLA-Norwalk\CAD\Remediation System Layout (2007 ver) updated 08052015.dwg

TABLES

TABLE 1

Remediation Well Construction

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)	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-14		04/26/07	76.54	67	25 - 65	GWE
	SP-8		--	--	50	48 - 50	Biosparge
	SP8a		--	--	50	48 - 50	Biosparge
	SP-8b		--	--	50	48 - 50	Biosparge
	SP-9		--	--	50	48 - 50	Biosparge
	SP-11		--	--	50	48 - 50	Biosparge
	SP-11a		--	--	50	48 - 50	Biosparge
	SP-11b		--	--	50	48 - 50	Biosparge
	SP-11c		--	--	50	48 - 50	Biosparge
	SP-13		--	--	50	48 - 50	Biosparge
	SP-13a		--	--	50	48 - 50	Biosparge
	SP-13b		--	--	50	48 - 50	Biosparge
	SP-13c		--	--	50	48 - 50	Biosparge
	SP-13d		--	--	50	48 - 50	Biosparge
	SP-14		--	--	50	48 - 50	Biosparge
	SP-14a		--	--	50	48 - 50	Biosparge
	SP-14b		--	--	50	48 - 50	Biosparge
	SP-14c		--	--	50	48 - 50	Biosparge
	SP-15		--	--	50	48 - 50	Biosparge
	SP-15a		--	--	50	48 - 50	Biosparge
	SP-16		--	--	50	48 - 50	Biosparge
	SP-17		--	--	50	48 - 50	Biosparge
	SP-17a		--	--	50	48 - 50	Biosparge
	SP-18		--	--	50	48 - 50	Biosparge
	SP-18a		--	--	50	48 - 50	Biosparge
	SP-20		--	--	50	48 - 50	Biosparge
	SP-20a		--	--	50	48 - 50	Biosparge
	SP-21		--	--	50	48 - 50	Biosparge
	SP-22		--	--	50	48 - 50	Biosparge

TABLE 1

Remediation Well Construction

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-Central (AST 80002, AST 80004, AST 80006, AST 80007, AST 80008, AST 8001, AST 55004)	SP-23		--	--	50	48 - 50	Biosparge
	SP-23a		--	--	50	48 - 50	Biosparge
	SP-23b		--	--	50	48 - 50	Biosparge
	SP-23c		--	--	50	48 - 50	Biosparge
	SP-24		--	--	50	48 - 50	Biosparge
	SP-24a		--	--	50	48 - 50	Biosparge
	SP-24b		--	--	50	48 - 50	Biosparge
	SP-24c		--	--	50	48 - 50	Biosparge
	SP-25		--	--	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		09/22/95	74.47	63	25 - 60	TFE, GWE
	TF-10		09/25/95	73.61	63	25 - 60	TFE, GWE
	TF-11		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		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		10/03/95	75.08	63	25 - 60	TFE, GWE
	TF-21		09/29/95	74.96	63	25 - 60	TFE, GWE
	TF-22		10/02/95	74.76	63	25 - 60	TFE, GWE
	TF-23		07/05/94	75.31	50.5	20 - 50	TFE, GWE
	TF-24	2	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
	VEW-20		08/02/04	75.95	25	15 - 25	SVE
	VEW-21		08/02/04	75.75	25	15 - 25	SVE
	VEW-22		08/02/04	77.09	20	10 - 20	SVE
	VEW-24		08/02/04	76.13	25	15 - 25	SVE
	VEW-25		08/02/04	76.14	25	15 - 25	SVE
	VEW-26		08/04/04	77.50	25	15 - 25	SVE
	VEW-27		08/04/04	77.07	25	15 - 25	SVE
	VEW-28		08/03/04	75.67	25	10 - 25	SVE
	VEW-29		08/03/04	75.25	25	10 - 25	SVE
	VEW-30		08/03/04	75.65	25	10 - 25	SVE
	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

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
	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
	SP-21a		--	--	50	48 - 50	Biosparge
	SP-21b		--	--	50	48 - 50	Biosparge
	SP-48		--	--	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
Former Truck Fueling Area and Adjacent Water Tank Area	VEW-31		08/03/04	75.10	15	5 - 15	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 = Also referred to as "old TF-24" or "former TF-24".

TABLE 2a

Groundwater Extraction and Treatment System Operations Summary - January

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	GW-2 Totalizer Reading (gallons)	GW-13 Totalizer Reading (gallons)	GW-15 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from North-East Area (gallons)	Groundwater Extracted from North-West Area (gallons)	NPDES Discharge Totalizer Reading (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed [A] (lb)
01/01/16	*		416,551	3,292,595	1,514,549	7,240,115	8,754,664	3,709,146	73,869,049	--	9,938
01/02/16	*		416,701	3,296,554	1,518,314	7,244,577	8,762,891	3,713,255	73,878,370	--	9,938
01/03/16	*		416,852	3,300,512	1,522,080	7,249,038	8,771,118	3,717,364	73,887,691	--	9,938
01/04/16	Technician	1	417,010	3,304,663	1,526,029	7,253,716	8,779,745	3,721,673	73,897,465	--	9,939
01/05/16	*		417,010	3,306,021	1,527,310	7,254,605	8,781,915	3,723,031	73,903,121	--	9,939
01/06/16	*		417,010	3,307,380	1,528,591	7,255,494	8,784,085	3,724,389	73,908,777	--	9,939
01/07/16	*		417,010	3,308,738	1,529,871	7,256,383	8,786,255	3,725,747	73,914,433	--	9,939
01/08/16	*		417,010	3,310,096	1,531,152	7,257,273	8,788,425	3,727,106	73,920,089	--	9,939
01/09/16	*		417,010	3,311,455	1,532,433	7,258,162	8,790,595	3,728,464	73,925,745	--	9,939
01/10/16	*		417,010	3,312,813	1,533,714	7,259,051	8,792,765	3,729,822	73,931,401	--	9,939
01/11/16	*		417,010	3,314,171	1,534,995	7,259,940	8,794,935	3,731,181	73,937,057	--	9,939
01/12/16	Technician	2,3	417,010	3,315,313	1,536,071	7,260,687	8,796,758	3,732,322	73,941,810	2,000	9,939
01/13/16	*		417,010	3,316,288	1,537,315	7,261,353	8,798,669	3,733,298	73,946,919	--	9,939
01/14/16	*		417,010	3,317,264	1,538,560	7,262,019	8,800,579	3,734,273	73,952,027	--	9,939
01/15/16	Technician	3	417,010	3,318,402	1,540,011	7,262,796	8,802,808	3,735,411	73,957,987	--	9,939
01/16/16	*		417,010	3,319,686	1,541,696	7,263,717	8,805,414	3,736,695	73,963,010	--	9,939
01/17/16	*		417,010	3,320,970	1,543,381	7,264,638	8,808,020	3,737,980	73,968,033	--	9,939
01/18/16	*		417,010	3,322,254	1,545,066	7,265,559	8,810,626	3,739,264	73,973,056	--	9,939
01/19/16	*		417,010	3,323,539	1,546,752	7,266,480	8,813,232	3,740,548	73,978,079	--	9,939
01/20/16	Technician		417,010	3,324,930	1,548,577	7,267,478	8,816,055	3,741,940	73,983,520	--	9,940
01/21/16	*		417,010	3,329,201	1,552,073	7,270,456	8,822,529	3,746,211	73,990,847	--	9,940
01/22/16	Technician		417,010	3,332,642	1,554,889	7,272,856	8,827,745	3,749,652	73,996,750	--	9,940
01/23/16	*		417,010	3,336,845	1,558,145	7,275,770	8,833,915	3,753,854	74,003,714	--	9,940
01/24/16	*		417,010	3,341,048	1,561,401	7,278,685	8,840,086	3,758,057	74,010,678	--	9,940
01/25/16	*		417,010	3,345,251	1,564,657	7,281,600	8,846,257	3,762,260	74,017,642	--	9,940
01/26/16	*		417,010	3,349,454	1,567,913	7,284,515	8,852,428	3,766,463	74,024,606	--	9,940
01/27/16	*		417,010	3,353,657	1,571,169	7,287,430	8,858,599	3,770,666	74,031,570	--	9,940
01/28/16	*		417,010	3,357,859	1,574,426	7,290,345	8,864,770	3,774,869	74,038,534	--	9,940
01/29/16	Technician		417,010	3,362,559	1,578,066	7,293,604	8,871,670	3,779,568	74,046,320	--	9,941
01/30/16	*		417,010	3,366,744	1,581,027	7,296,551	8,877,578	3,783,754	74,053,243	--	9,941
01/31/16	*		417,010	3,370,930	1,583,989	7,299,499	8,883,487	3,787,939	74,060,166	--	9,941

Cumulative Groundwater Discharged by the GWETS to Date (gallons)							
Period	January	Quarter 1, 2016	Quarter 2, 2016	Quarter 3, 2016	Quarter 4, 2016	2016 to Date	April 1996 to Date
Volume	200,438	200,438	--	--	--	200,438	74,060,166

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	January	Quarter 1 to Date	April 1996 to Date
Mass	2.5	2.5	9,940.8

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

Legend / Notes:

1 = Pump in well GW-2 not operating upon arrival and determined to require replacement.

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

3 = GWETS off-line upon arrival and restarted prior to departure.

Groundwater extraction wells on line this month: GW-2, GW-13, 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: 01/12/16 (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 - February

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	GW-2 Totalizer Reading (gallons)	GW-13 Totalizer Reading (gallons)	GW-15 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from North-East Area (gallons)	Groundwater Extracted from North-West Area (gallons)	NPDES Discharge Totalizer Reading (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed [A] (lb)
02/01/16	Technician	1,2	417,010	3,374,418	1,586,457	7,301,955	8,888,412	3,791,428	74,065,935	72	9,941
02/02/16	*		417,010	3,378,755	1,588,957	7,304,647	8,893,604	3,795,765	74,072,820	--	9,941
02/03/16	*		417,010	3,383,093	1,591,457	7,307,339	8,898,796	3,800,102	74,079,705	--	9,941
02/04/16	Technician	3	417,010	3,388,394	1,594,512	7,310,630	8,905,142	3,805,404	74,088,120	--	9,941
02/05/16	*		417,010	3,392,386	1,595,856	7,310,630	8,906,486	3,809,396	74,092,898	--	9,941
02/06/16	*		417,010	3,396,379	1,597,200	7,310,630	8,907,830	3,813,388	74,097,676	--	9,941
02/07/16	*		417,010	3,400,371	1,598,544	7,310,630	8,909,174	3,817,380	74,102,454	--	9,941
02/08/16	*		417,010	3,404,363	1,599,888	7,310,630	8,910,518	3,821,373	74,107,233	--	9,941
02/09/16	*		417,010	3,408,356	1,601,232	7,310,630	8,911,862	3,825,365	74,112,011	--	9,941
02/10/16	Technician	4	417,010	3,412,140	1,602,506	7,310,630	8,913,136	3,829,150	74,116,540	--	9,941
02/11/16	*		417,010	3,415,361	1,604,906	7,313,131	8,918,036	3,832,370	74,121,956	--	9,941
02/12/16	*		417,010	3,418,581	1,607,305	7,315,632	8,922,937	3,835,591	74,127,371	--	9,941
02/13/16	*		417,010	3,421,802	1,609,705	7,318,133	8,927,837	3,838,812	74,132,787	--	9,941
02/14/16	*		417,010	3,425,023	1,612,104	7,320,634	8,932,738	3,842,032	74,138,203	--	9,941
02/15/16	*		417,010	3,428,244	1,614,504	7,323,135	8,937,638	3,845,253	74,143,618	--	9,941
02/16/16	Technician		417,010	3,431,565	1,616,978	7,325,714	8,942,692	3,848,575	74,149,203	--	9,941
02/17/16	*		417,010	3,433,334	1,618,824	7,327,075	8,945,899	3,850,343	74,152,873	--	9,941
02/18/16	*		417,010	3,435,103	1,620,669	7,328,437	8,949,106	3,852,112	74,156,543	--	9,941
02/19/16	*		417,010	3,436,872	1,622,515	7,329,798	8,952,313	3,853,881	74,160,213	--	9,941
02/20/16	*		417,010	3,438,641	1,624,360	7,331,160	8,955,520	3,855,650	74,163,882	--	9,941
02/21/16	*		417,010	3,440,410	1,626,206	7,332,521	8,958,727	3,857,419	74,167,552	--	9,941
02/22/16	*		417,010	3,442,179	1,628,051	7,333,883	8,961,934	3,859,188	74,171,222	--	9,941
02/23/16	*		417,010	3,443,948	1,629,897	7,335,244	8,965,141	3,860,957	74,174,892	--	9,941
02/24/16	*		417,010	3,445,717	1,631,742	7,336,605	8,968,348	3,862,726	74,178,562	--	9,941
02/25/16	*		417,010	3,447,486	1,633,588	7,337,967	8,971,555	3,864,495	74,182,232	--	9,941
02/26/16	Technician	5,6	417,010	3,449,218	1,635,395	7,339,300	8,974,695	3,866,228	74,185,825	--	9,941
02/27/16	*		417,312	3,450,519	1,637,029	7,340,368	8,977,397	3,867,832	74,191,703	--	9,941
02/28/16	*		417,615	3,451,821	1,638,664	7,341,435	8,980,099	3,869,436	74,197,580	--	9,941
02/29/16	*		417,918	3,453,122	1,640,298	7,342,503	8,982,800	3,871,040	74,203,458	--	9,941

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	February	Quarter 1, 2016	Quarter 2, 2016	Quarter 3, 2016	Quarter 4, 2016	2016 to Date	April 1996 to Date
Volume	143,292	343,730	--	--	--	343,730	74,203,458

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	February	Quarter 1 to Date	April 1996 to Date
Mass	0.1	2.6	9,940.9

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

Legend / Notes:

1 = Collected monthly process, intermediate and effluent water samples for laboratory analysis.
2 = Collected quarterly effluent water samples for laboratory analysis.
3 = Pump in well GW-16 taken off-line for repair.
4 = Pump in well GW-16 brought back online following completion of repair work.
5 = Installed new pump and resumed extraction from well GW-2 (off-line since 01/04/16).
6 = Cumulative groundwater discharged during February 2016 includes approximately 10,000 gallons of stormwater collected during recent rain events and processed through system.

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: 02/01/16 (laboratory report attached).
-- = Not applicable
* = Operational values interpolated from chart recorder data or previous monitoring event.

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

Apex-SGI

TABLE 2c

Groundwater Extraction and Treatment System Operations Summary - March

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	GW-2 Totalizer Reading (gallons)	GW-13 Totalizer Reading (gallons)	GW-15 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from North-East Area (gallons)	Groundwater Extracted from North-West Area (gallons)	NPDES Discharge Totalizer Reading (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed [A] (lb)
03/01/16	*		418,221	3,454,423	1,641,932	7,343,570	8,985,502	3,872,644	74,209,336	--	9,941
03/02/16	Technician		418,476	3,455,521	1,643,311	7,344,471	8,987,782	3,873,997	74,214,295	--	9,941
03/03/16	*		419,329	3,456,871	1,644,803	7,345,459	8,990,262	3,876,200	73,831,756	--	9,941
03/04/16	*		420,182	3,458,221	1,646,295	7,346,448	8,992,743	3,878,403	73,449,217	--	9,940
03/05/16	*		421,035	3,459,571	1,647,787	7,347,436	8,995,223	3,880,606	73,066,677	--	9,940
03/06/16	*		421,889	3,460,920	1,649,279	7,348,424	8,997,703	3,882,809	72,684,138	--	9,940
03/07/16	Technician		422,875	3,462,481	1,651,004	7,349,567	9,000,571	3,885,356	72,241,827	--	9,940
03/08/16	*		424,330	3,464,828	1,653,011	7,350,415	9,003,427	3,889,158	72,544,645	--	9,940
03/09/16	*		425,784	3,467,175	1,655,019	7,351,264	9,006,283	3,892,960	72,847,462	--	9,940
03/10/16	*		427,239	3,469,522	1,657,026	7,352,112	9,009,139	3,896,761	73,150,280	--	9,940
03/11/16	*		428,694	3,471,869	1,659,034	7,352,961	9,011,995	3,900,563	73,453,097	--	9,940
03/12/16	*		430,149	3,474,216	1,661,041	7,353,809	9,014,851	3,904,365	73,755,915	--	9,941
03/13/16	*		431,603	3,476,563	1,663,049	7,354,658	9,017,707	3,908,167	74,058,732	--	9,941
03/14/16	Technician	1	432,710	3,478,348	1,664,575	7,355,303	9,019,878	3,911,058	74,289,000	270	9,941
03/15/16	*		434,054	3,480,497	1,667,380	7,356,783	9,024,162	3,914,551	74,295,878	--	9,941
03/16/16	*		435,398	3,482,647	1,670,184	7,358,262	9,028,446	3,918,045	74,302,756	--	9,941
03/17/16	Technician	2	437,176	3,485,490	1,673,894	7,360,220	9,034,114	3,922,666	74,311,855	--	9,941
03/18/16	Off line		437,176	3,485,490	1,673,894	7,360,220	9,034,114	3,922,666	74,311,855	--	9,941
03/19/16	Off line		437,176	3,485,490	1,673,894	7,360,220	9,034,114	3,922,666	74,311,855	--	9,941
03/20/16	Off line		437,176	3,485,490	1,673,894	7,360,220	9,034,114	3,922,666	74,311,855	--	9,941
03/21/16	Off line		437,176	3,485,490	1,673,894	7,360,220	9,034,114	3,922,666	74,311,855	--	9,941
03/22/16	Off line		437,176	3,485,490	1,673,894	7,360,220	9,034,114	3,922,666	74,311,855	--	9,941
03/23/16	Off line		437,176	3,485,490	1,673,894	7,360,220	9,034,114	3,922,666	74,311,855	--	9,941
03/24/16	Off line		437,176	3,485,490	1,673,894	7,360,220	9,034,114	3,922,666	74,311,855	--	9,941
03/25/16	Technician	3,4	437,176	3,485,490	1,673,894	7,360,220	9,034,114	3,922,666	74,311,855	--	9,941
03/26/16	*		439,823	3,487,744	1,675,037	7,361,866	9,036,903	3,927,566	74,320,069	--	9,941
03/27/16	*		442,470	3,489,997	1,676,179	7,363,512	9,039,692	3,932,467	74,328,283	--	9,941
03/28/16	Technician		445,622	3,492,681	1,677,540	7,365,473	9,043,013	3,938,303	74,338,065	--	9,941
03/29/16	*		447,513	3,494,059	1,678,505	7,367,645	9,046,150	3,941,572	74,344,504	--	9,941
03/30/16	Technician	4	448,957	3,495,112	1,679,243	7,369,304	9,048,547	3,944,069	74,349,422	--	9,941
03/31/16	*		450,793	3,496,778	1,680,371	7,371,790	9,052,161	3,947,571	74,355,760	--	9,942

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	March	Quarter 1, 2016	Quarter 2, 2016	Quarter 3, 2016	Quarter 4, 2016	2016 to Date	April 1996 to Date
Volume	152,302	496,032	--	--	--	496,032	74,355,760

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	March	Quarter 1 to Date	April 1996 to Date
Mass	0.6	3.2	9,941.5

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

Legend / Notes:

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

2 = GWETS manually shutdown following receipt of 03/14/16 analytical result for Arsenic that yielded a permit limit exceedance.

3 = GWETS restarted following implementation of remedial measures to ensure compliance with effluent permit limit for Arsenic.

4 = Collected weekly effluent Arsenic sample for confirmation compliance analysis under accelerated NPDES monitoring program requirements.

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 samples collected on: 02/01/16 and 03/14/16 (laboratory reports attached).

-- = Not applicable

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

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

TABLE 3a

Soil Vapor Extraction System Summary of Operations - January

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	VES Hour Meter Reading (hours)	VES Process Flow [A] (scfm)	VES Manifold Vacuum (in. Hg)	Carbon Inlet Temperature (°F)	Laboratory Process Concentration (ppmv)	Field Process Concentration [B,C] (ppmv)	Field Effluent Concentration [B,C] (ppmv)	Cumulative Vapor-Phase GRO Removed [D] (lb)
01/01/16	*		33,530	696	--	--	--	--	--	2,942,828
01/02/16	*		33,554	696	--	--	--	--	--	2,942,857
01/03/16	*		33,578	696	--	--	--	--	--	2,942,887
01/04/16	Technician	1	33,602	814	1	110	--	344	0.0	2,942,921
01/05/16	*		33,626	814	--	--	--	--	--	2,942,955
01/06/16	Technician		33,650	862	1	98	--	221	0	2,942,992
01/07/16	*		33,674	862	--	--	--	--	--	2,943,028
01/08/16	*		33,698	862	--	--	--	--	--	2,943,065
01/09/16	*		33,722	862	--	--	--	--	--	2,943,101
01/10/16	*		33,746	862	--	--	--	--	--	2,943,138
01/11/16	*		33,770	862	--	--	--	--	--	2,943,174
01/12/16	Technician		33,792	859	1	100	--	167	0.0	2,943,210
01/13/16	Technician	2,3,4	33,816	863	1	98	110	141	0.0	2,943,247
01/14/16	*		33,840	863	--	--	--	--	--	2,943,283
01/15/16	Technician		33,864	827	1	104	--	120	0.0	2,943,318
01/16/16	*		33,888	827	--	--	--	--	--	2,943,353
01/17/16	*		33,912	827	--	--	--	--	--	2,943,388
01/18/16	*		33,936	827	--	--	--	--	--	2,943,423
01/19/16	Technician		33,960	847	1	98	--	118	0.0	2,943,459
01/20/16	*		33,984	847	--	--	--	--	--	2,943,495
01/21/16	*		34,008	847	--	--	--	--	--	2,943,530
01/22/16	Technician		34,032	830	1	100	--	180	0.0	2,943,565
01/23/16	*		34,056	830	--	--	--	--	--	2,943,600
01/24/16	*		34,080	830	--	--	--	--	--	2,943,636
01/25/16	Technician	5	34,104	810	1	81	--	167	0.0	2,943,670
01/26/16	*		34,128	810	--	--	--	--	--	2,943,704
01/27/16	*		34,152	810	--	--	--	--	--	2,943,738
01/28/16	*		34,176	810	--	--	--	--	--	2,943,772
01/29/16	Technician		34,199	808	2	107	--	144	0.0	2,943,807
01/30/16	*		34,223	808	--	--	--	--	--	2,943,841
01/31/16	*		34,247	808	--	--	--	--	--	2,943,875

Cumulative Mass TPHg Removed by the VES [D] (lb)			
Period	January	Quarter 1 to Date	April 1996 to Date
Mass	1,077	1,077	2,943,875

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

Legend / Notes:

1 = Select soil biopiles brought online and/or taken off-line.
2 = Measured individual well vapor concentrations with an OVA.
3 = Collected monthly influent, after GAC-1, after GAC-2, and effluent samples for laboratory analysis.
4 = VES temporarily off-line for a couple hours to conduct routine maintenance work.
5 = Measured individual soil biopile vapor concentrations with an OVA.

Vapor extraction wells on line this month: VEW-32, VEW-33, HW-1, HW-3, HW-5
Soil biopiles on line this month: Powerine J-SP-01 and L-SP-01 through O-SP-01, 80001 A-SP-01, B-SP-01 and D-SP-01, 80002 F-SP-01, J-SP-01 and K-SP-01, 80004 D-SP-01, H-SP-01 and M-SP-01, 80006 G-SP-01, H-SP-01, J-SP-01 and M-SP-01, and 80013 B-SP-01 through G-SP-01

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 (OVA).
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: 01/13/16 (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 Summary of Operations - February

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	VES Hour Meter Reading (hours)	VES Process Flow [A] (scfm)	VES Manifold Vacuum (in. Hg)	Carbon Inlet Temperature (°F)	Laboratory Process Concentration (ppmv)	Field Process Concentration [B,C] (ppmv)	Field Effluent Concentration [B,C] (ppmv)	Cumulative Vapor-Phase GRO Removed [D] (lb)
02/01/16	*		34,271	808	--	--	--	--	--	2,943,909
02/02/16	*		34,295	808	--	--	--	--	--	2,943,943
02/03/16	*		34,319	808	--	--	--	--	--	2,943,977
02/04/16	Technician	1	34,338	847	1	103	--	128	0.0	2,944,013
02/05/16	*		34,362	847	--	--	--	--	--	2,944,049
02/06/16	*		34,386	847	--	--	--	--	--	2,944,085
02/07/16	*		34,410	847	--	--	--	--	--	2,944,120
02/08/16	Technician	2,3	34,423	847	1	103	--	128	0.0	2,944,137
02/09/16	Technician	4	34,433	824	1	122	--	156	0.0	2,944,151
02/10/16	Technician	5	34,456	837	1	97	98	124	0.0	2,944,181
02/11/16	*		34,480	837	--	--	--	--	--	2,944,212
02/12/16	*		34,504	837	--	--	--	--	--	2,944,242
02/13/16	*		34,528	837	--	--	--	--	--	2,944,272
02/14/16	*		34,552	837	--	--	--	--	--	2,944,302
02/15/16	*		34,576	837	--	--	--	--	--	2,944,332
02/16/16	Technician		34,600	866	1	124	--	114	0.0	2,944,363
02/17/16	*		34,624	866	--	--	--	--	--	2,944,394
02/18/16	*		34,648	866	--	--	--	--	--	2,944,425
02/19/16	*		34,672	866	--	--	--	--	--	2,944,457
02/20/16	*		34,696	866	--	--	--	--	--	2,944,488
02/21/16	*		34,720	866	--	--	--	--	--	2,944,519
02/22/16	Technician		34,744	829	1	116	--	96	0.0	2,944,549
02/23/16	*		34,768	829	--	--	--	--	--	2,944,578
02/24/16	Technician	2	34,791	827	2	104	--	108	0.0	2,944,608
02/25/16	*		34,815	827	--	--	--	--	--	2,944,638
02/26/16	*		34,839	827	--	--	--	--	--	2,944,668
02/27/16	*		34,863	827	--	--	--	--	--	2,944,697
02/28/16	*		34,887	827	--	--	--	--	--	2,944,727
02/29/16	*		34,911	827	--	--	--	--	--	2,944,757

Cumulative Mass TPHg Removed by the VES [A] (lb)			
Period	February	Quarter 1 to Date	April 1996 to Date
Mass	882	1,959	2,944,757

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

Legend / Notes:

1 = VES temorarily off-line for approximately 6 hours pending completion of carbon change out work.
2 = Measured individual well and/or soil biopile vapor concentrations with an OVA.
3 = VES manually shutdown for maintenance.
4 = VES restarted following completion of maintenance work.
5 = Collected monthly influent, after GAC-1, after GAC-2, and effluent samples for laboratory analysis.

Vapor extraction wells on line this month: VEW-32, VEW-33, HW-1, HW-3, HW-5
Soil biopiles on line this month: Powerine J-SP-01 and L-SP-01 through P-SP-01, 80001 A-SP-01 and B-SP-01, 80002 I-SP-01, J-SP-01, and L-SP-01 through N-SP-01, 80004 H-SP-01 through M-SP-01, 80006 G-SP-01, H-SP-01, J-SP-01, N-SP-01 and O-SP-01, and 80013 B-SP-01 through H-SP-01

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 (OVA).
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 samples collected on: 01/13/16 and 02/10/16 (laboratory reports attached).
-- = Not applicable or not measured
* = Operational values interpolated from chart recorder data or previous monitoring event.

TABLE 3c

Soil Vapor Extraction System Summary of Operations - March

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	VES Hour Meter Reading (hours)	VES Process Flow [A] (scfm)	VES Manifold Vacuum (in. Hg)	Carbon Inlet Temperature (°F)	Laboratory Process Concentration (ppmv)	Field Process Concentration [B,C] (ppmv)	Field Effluent Concentration [B,C] (ppmv)	Cumulative Vapor-Phase GRO Removed [D] (lb)
03/01/16	*		34,935	827	--	--	--	--	--	2,944,787
03/02/16	Technician	1,2	34,952	847	2	112	--	92	0.0	2,944,803
03/03/16	*		34,976	847	--	--	--	--	--	2,944,820
03/04/16	*		35,000	847	--	--	--	--	--	2,944,837
03/05/16	*		35,024	847	--	--	--	--	--	2,944,854
03/06/16	Auto Shutdown	3	35,043	847	--	--	--	--	--	2,944,867
03/07/16	Technician	4	35,055	776	2	94	--	93	0.0	2,944,875
03/08/16	*		35,079	776	--	--	--	--	--	2,944,890
03/09/16	*		35,103	776	--	--	--	--	--	2,944,905
03/10/16	*		35,127	776	--	--	--	--	--	2,944,921
03/11/16	Technician		35,151	784	2	96	--	82	0.0	2,944,936
03/12/16	*		35,175	784	--	--	--	--	--	2,944,952
03/13/16	*		35,199	784	--	--	--	--	--	2,944,967
03/14/16	*		35,223	784	--	--	--	--	--	2,944,983
03/15/16	*		35,247	784	--	--	--	--	--	2,944,998
03/16/16	Technician		35,270	837	1	120	--	87	0.6	2,945,015
03/17/16	*		35,294	837	--	--	--	--	--	2,945,031
03/18/16	*		35,318	837	--	--	--	--	--	2,945,048
03/19/16	*		35,342	837	--	--	--	--	--	2,945,064
03/20/16	*		35,366	837	--	--	--	--	--	2,945,081
03/21/16	Technician		35,390	831	1	110	--	89	1.8	2,945,097
03/22/16	*		35,414	831	--	--	--	--	--	2,945,114
03/23/16	*		35,438	831	--	--	--	--	--	2,945,130
03/24/16	Technician	1	35,461	847	2	120	--	85	2.2	2,945,147
03/25/16	*		35,485	847	--	--	--	--	--	2,945,164
03/26/16	*		35,509	847	--	--	--	--	--	2,945,180
03/27/16	*		35,533	847	--	--	--	--	--	2,945,197
03/28/16	Technician		35,557	804	2	99	--	94	4.2	2,945,213
03/29/16	*		35,581	804	--	--	--	--	--	2,945,229
03/30/16	Technician		35,605	840	2	99	--	81	8.6	2,945,246
03/31/16	*		35,629	840	--	--	--	--	--	2,945,262

Cumulative Mass TPHg Removed by the VES [A] (lb)			
Period	March	Quarter 1 to Date	April 1996 to Date
Mass	505	2,464	2,945,262

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

Legend / Notes:

1 = Measured individual well and/or soil biopile vapor concentrations with an OVA.

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

3 = VES automatically shut down.

4 = VES restarted.

Vapor extraction wells on line this month: VEW-32, VEW-33, HW-1, HW-3, HW-5

Soil biopiles on line this month: Powerine I-SP-01 and L-SP-01 through P-SP-01, 80001 A-SP-01 and B-SP-01, 80002 J-SP-01 through N-SP-01, 80004 H-SP-01 through N-SP-01, 80006 G-SP-01, H-SP-01, J-SP-01, and M-SP-01 through P-SP-01, and 80013 B-SP-01 through H-SP-01

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 (OVA).

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 samples collected on: 02/10/16 and 03/02/16 (laboratory reports 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)	(mg/L)	(ppmv)	(mg/L)	(ppmv)	(mg/L)	(ppmv)	(mg/L)	(ppmv)	(mg/L)	(ppmv)	(mg/L)	(ppmv)	(mg/L)	(ppmv)	(mg/L)	(ppmv)	(mg/L)
04/29/11		--	TO-3 & 8260B	--	--	--	**17**	**60**	**0.021**	**0.067**	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
05/27/11		--	TO-3 & 8260B	--	--	--	**13**	**46**	**0.021**	**0.067**	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
06/30/11		--	TO-3 & 8260B	--	--	--	**11**	**39**	**0.018**	**0.057**	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
07/27/11		--	TO-3 & 8260B	--	--	--	**8.6**	**31**	**0.013**	**0.042**	<0.0050	<0.019	**0.012**	**0.052**	--	--	--	--	**0.013**	**0.056**	<0.010	<0.036
08/26/11		--	TO-3 & 8260B	--	--	--	**7.8**	**28**	**0.012**	**0.038**	<0.0050	<0.019	**0.020**	**0.087**	--	--	--	--	**0.0264**	**0.115**	<0.010	<0.036
09/30/11		--	TO-3 & 8260B	--	--	--	**6.9**	**25**	**0.012**	**0.038**	<0.0050	<0.019	**0.011**	**0.048**	--	--	--	--	**0.011**	**0.048**	<0.010	<0.036
10/28/11		--	TO-3 & 8260B	--	--	--	**5.4**	**19**	**0.011**	**0.035**	<0.0050	<0.019	**0.015**	**0.065**	--	--	--	--	**0.028**	**0.12**	<0.010	<0.036
11/30/11		--	TO-3 & 8260B	--	--	--	**8.5**	**30**	**0.012**	**0.038**	<0.0050	<0.019	**0.0067**	**0.029**	--	--	--	--	**0.010**	**0.043**	<0.010	<0.036
12/28/11		--	TO-3 & 8260B	--	--	--	**8.6**	**31**	**0.024**	**0.077**	**0.0075**	**0.028**	**0.0096**	**0.042**	--	--	--	--	**0.022**	**0.095**	<0.010	<0.036
01/26/12		--	TO-3 & 8260B	--	--	--	**3.7**	**13**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
02/24/12		--	TO-3 & 8260B	--	--	--	**4.6**	**16**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
03/28/12		--	TO-3 & 8260B	--	--	--	**4.1**	**15**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
04/27/12		--	TO-3 & 8260B	--	--	--	**3.6**	**13**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
05/31/12		--	TO-3 & 8260B	--	--	--	**6.5**	**23**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
06/28/12		--	TO-3 & 8260B	--	--	--	**5.3**	**19**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
07/26/12		--	TO-3 & 8260B	4.1	--	--	**4.1**	**15**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
08/31/12		--	TO-3 & 8260B	1.5	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
09/27/12		--	TO-3 & 8260B	1.5	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
10/30/12		--	TO-3 & 8260B	1.5	--	--	**6.1**	**22**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
11/26/12		--	TO-3 & 8260B	4.2	--	--	**4.2**	**15**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
12/19/12		--	TO-3 & 8260B	3.2	--	--	**3.2**	**11**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
01/31/13		--	TO-3 & 8260B	4.6	--	--	**4.6**	**16**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/27/13		--	TO-3 & 8260B	4.5	--	--	**4.5**	**16**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
03/28/13		--	TO-3 & 8260B	6.7	--	--	**6.7**	**24**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
04/22/13		--	TO-3 & 8260B	5.4	--	--	**5.4**	**19**	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
07/29/13		--	TO-3 & 8260B	1.5	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
08/12/13		--	TO-3 & 8260B	--	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
10/30/13		--	TO-3 & 8260B	3.0	--	--	**3.0**	**11**	**0.014**	**0.045**	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
11/27/13		--	TO-3 & 8260B	1.5	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	**0.015**	**0.065**	<0.010	<0.036
12/19/13		--	TO-3 & 8260B	1.5	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	--	--	--	--	<0.015	<0.065	<0.010	<0.036
03/21/14		--	TO-3 & 8260B	1.5	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	<0.0050	<0.022	<0.010	<0.043	<0.015	<0.065	<0.010	<0.036
04/23/14		VEW-32, VEW-33, VEW-34, VEW-35, VEW-36 VEW-37, HW-1, HW-3, HW-5, HW-7	TO-3 & 8260B	1.9	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	<0.0050	<0.022	<0.010	<0.043	<0.015	<0.065	<0.010	<0.036
05/16/14	1	VEW-32, VEW-33, VEW-34, VEW-35, VEW-36 VEW-37, HW-1, HW-3, HW-5, HW-7	TO-3 & 8260B	1.1	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	<0.0050	<0.022	<0.010	<0.043	<0.015	<0.065	<0.010	<0.036

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

Legend / Notes:

Data collected prior to April 2014 not verified for completeness nor accuracy.
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
mg/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 PID 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 (see Tables 3a through 3c for details).
7 = Closed all vapor extraction wells from 05/07/15 to 06/03/15 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 6 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).

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
				(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/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

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
				(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
03/02/12		--	--	--	--	**23**	<0.50	**1.4**	**11**	**2.4**	**8.7**	**1.4**	**0.47**	<2.0	<2.0
03/06/12		--	--	--	--	**28**	<0.50	**1.0**	**9.0**	**1.7**	**13**	**1.1**	**0.37**	<2.0	<2.0
06/15/12		--	--	--	--	**39**	**13**	**17**	**88**	**26**	<10	**1.3**	**0.52**	<2.0	<2.0
08/31/12		--	--	**820**	**940**	--	--	--	--	--	--	--	--	--	--
09/27/12		--	--	**5,300**	**3,800**	--	--	--	--	--	--	--	--	--	--
10/23/12		--	--	--	--	**67**	**60**	**110**	**460**	**140**	<10	<0.50	<2.0	<2.0	<2.0
01/31/13		--	--	**3,600**	--	--	--	--	--	--	--	--	--	--	--
05/01/13		--	--	**6,300**	**5,500**	**20**	**4.7**	**8.0**	**41**	**14**	**4.8**	**0.56**	<2.0	<2.0	<2.0
07/12/13		--	--	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<2.0	<2.0	<2.0
08/20/13		--	--	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<2.0	<2.0	<2.0
12/19/13		--	--	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<2.0	<2.0	<2.0
02/07/14		--	--	**1,500**	**2,300**	--	--	--	--	--	--	--	--	--	--
03/21/14		--	--	--	--	**61**	**5.1**	**23**	**150**	**45**	<10	**0.87**	<2.0	<2.0	<2.0
05/29/14	1	--	8015M & 8260B	--	--	**29**	**1.0**	**30**	**180**	**45**	<10	**1.0**	<2.0	<2.0	<2.0
07/09/14	2	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**720**	**1,800**	**82**	**3.8**	**27**	**110**	**31**	<7.0	<0.40	<0.50	<0.40	<0.30
08/13/14		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**150**	**1,500**	**57**	**3.7**	**30**	**130**	**36**	<7.0	**0.77**	<0.50	<0.40	<0.30
09/17/14		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**800**	**3,500**	**23**	**0.73**	**20**	**170**	**40**	<7.0	**0.83**	<0.50	<0.40	<0.30
10/20/14		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**560**	**3,600**	**31**	**2.2**	**40**	**240**	**54**	<7.0	**0.6**	<0.50	<0.40	<0.30
11/17/14	3,4,1	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**260**	**1,400**	**21**	**0.71**	**10**	**62**	**18**	<7.0	<0.40	<0.50	<0.40	<0.30
12/17/14	4,1	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**190**	**880**	**23**	**0.66**	**8.8**	**48**	**14**	<7.0	<0.40	<0.50	<0.40	<0.30
01/14/15	4,1	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**4,600**	**3,800**	**150**	**2.8**	**29**	**130**	**37**	<7.0	<0.40	<0.50	<0.40	<0.30
02/20/15	4,1	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**2,500**	**8,100**	**230**	**9.8**	**220**	**880**	**220**	<7.0	**0.45**	<0.50	<0.40	<0.30
03/27/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**620**	**980**	**9.9**	<0.30	**2.7**	**18**	**5.9**	<7.0	**1.0**	<0.50	<0.40	<0.30
05/11/15	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	**330**	**16**	**5.2**	**5.9**	**37**	**14**	<7.0	**0.58 J**	<0.50	<0.40	<0.30
06/03/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**150**	**340**	**20**	**6.6**	**12**	**22**	**25**	<7.0	**0.52 J**	<0.50	<0.40	<0.30
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

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
				(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
11/02/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**420**	**3,400**	**5.1**	<0.30	**17**	**130**	**22**	<7.0	**0.85 J**	<0.50	<0.40	<0.30
12/07/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**710**	**3,800**	**0.70**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
01/12/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**2,000**	**510**	**14**	<0.30	**3.6**	**25**	**7.0**	<7.0	<0.40	<0.50	<0.40	<0.30
02/01/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**72 J**	**180**	**13**	<0.30	**0.53**	**2.7**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
03/14/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**270**	**1,100**	**0.91**	<0.30	<0.20	**1.6**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30

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
TPHg = Total petroleum hydrocarbons as gasoline
TBA = tertiary-Butyl alcohol
MTBE = Methyl tertiary-butyl ether
DIPE = Diisopropyl ether
ETBE = Ethyl tertiary-butyl ether
TAME = tertiary-Amyl-methyl ether
mg/L = Micrograms per liter
<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.
-- = Not available or not analyzed
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.
3 = GWETS manually shut down on 11/11/14.
4 = GWETS restarted.
5 = GWETS manually shut down on 04/13/15 and 05/06/15, and restarted on 04/27/15 and 05/08/15, respectively.

TABLE 6

Historical Summary of Field Sampling Readings - Individual Well Vapor

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Notes	VES Wells On Line	Well GRO Concentration (ppmv) / Screen Interval in Feet Below Grade									
			HW-1	HW-3	HW-5	HW-7	VEW-32	VEW-33	VEW-34	VEW-35	VEW-36	VEW-37
			25	25	25	25	10 - 25	10 - 25	10 - 25	10 - 25	10 - 25	10 - 25
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	4,176	140	20	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	15,000	4,000	21	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	146	2.5	0.3	174	0.2	0	--	--	--
10/23/14	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	3.3	1.8	2.9	20	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	382	62	1.8	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	370	270	34	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	800	835	160	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	580	600	315	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	585	545	297	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	1,233	533	125	--	--	--	--	--	--
04/27/15	4,6	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	1,455	810	400	138	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	732	676	28	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	1,526	1,283	--	530	329	--	--	--	--
09/08/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	1,914	1,811	839	--	395	162	--	--	--	--
09/16/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	1,333	1,142	756	--	266	184	--	--	--	--
10/09/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	854	807	462	--	343	258	--	--	--	--
11/04/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	605	500	372	--	401	184	--	--	--	--
12/07/15	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	880	760	590	--	327	246	88	22	12	14

TABLE 6

Historical Summary of Field Sampling Readings - Individual Well Vapor

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Notes	VES Wells On Line	Well GRO Concentration (ppmv) / Screen Interval in Feet Below Grade									
			HW-1	HW-3	HW-5	HW-7	VEW-32	VEW-33	VEW-34	VEW-35	VEW-36	VEW-37
			25	25	25	25	10 - 25	10 - 25	10 - 25	10 - 25	10 - 25	10 - 25
01/13/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	640	390	415	--	220	260	72	34	22	17
02/08/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	520	240	300	--	160	220	55	42	28	11
03/02/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	400	180	360	--	120	240	47	31	32	15

Legend / Notes:

GRO = Gasoline range organics ppmv = Parts per million by volume OVA = Organic Vapor Analyzer (calibrated or correlated to Hexane) -- = 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 (see Tables 3a through 3c for details).
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).

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)	(mg/L)	(ppmv)	(mg/L)	(ppmv)	(mg/L)	(ppmv)	(mg/L)	(ppmv)	(mg/L)	(ppmv)	(mg/L)	(ppmv)	(mg/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
HW-3	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			1.8	<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**	**1.30**	**2.3**	**9.8**	<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
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
HW-7	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**	**0.88**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			28	**7.3**	**30**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
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
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
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
VEW-35	07/09/14	1		5.5	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	10/23/14			28	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	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
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
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

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
mg/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).

Apex-SGI

TABLE 8a
Summary of LNAPL Removal in Well GMW-62 - 1st Quarter 2016
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 (ounces)	LNAPL Removed with Socks (fluid ounces)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
01/11/16	--	33.58	--	0	12.0	14.0	120.5	824.7
01/22/16	--	33.75	--	0	16.0	18.7	120.7	825.7
02/03/16	--	33.95	--	0	20.0	23.4	120.8	826.9
02/10/16	--	33.97	--	0	28.0	32.7	121.1	828.7
02/22/16	--	33.95	--	0	24.0	28.1	121.3	830.2
03/02/16	--	33.87	--	0	20.0	23.4	121.5	831.4
03/14/16	--	33.87	--	0	28.0	32.7	121.8	833.2
03/21/16	--	33.98	--	0	16.0	18.7	121.9	834.2

Cumulative for the Reporting Period:	**0.0**	**164**	**191.7**	**1.5**	**10.2**
Cumulative Beginning January 2014 [A]:	**112.0**	**1,084**	**1,267.1**	**121.9**	**834.2**

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

TABLE 8b
Summary of LNAPL Removal in Well GMW-4 - 1st Quarter 2016
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed with Socks (ounces)	LNAPL Removed with Socks (fluid ounces)	Cumulative LNAPL Removed with Socks [A] (gallons)	Cumulative LNAPL Removed with Socks [A] (pounds)
01/07/15	Well Abandoned for Soil Excavation						

Cumulative for the Reporting Period:	**0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning January 2014 [A]:	**0**	**0.0**	**0.0**	**0.0**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids

feet btc = Feet below top of casing

Sock = LNAPL absorbent sock

-- = Not applicable

A = Cumulative LNAPL removed since 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-21 - 1st Quarter 2016
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 (ounces)	LNAPL Removed with Socks (fluid ounces)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
03/02/16	--	33.57	--	0.0	4	4.7	21.5	147.2

Cumulative for the Reporting Period:	**0.0**	**4**	**4.7**	**<0.1**	**0.2**
Cumulative Beginning January 2014 [A]:	**5.0**	**1,808**	**2,113.4**	**21.5**	**147.2**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids

feet btc = Feet below top of casing

Sock = LNAPL absorbent sock (approximately 18" long with 3" diameter)

-- = 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 8d
Summary of LNAPL Removal in Well MW-15 - 1st Quarter 2016
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed with Socks (ounces)	LNAPL Removed with Socks (fluid ounces)	Cumulative LNAPL Removed with Socks [A] (gallons)	Cumulative LNAPL Removed with Socks [A] (pounds)
01/07/15	Well Abandoned for Soil Excavation						

Cumulative for the Reporting Period:	**0.0**	**0.0**	**0.0**	**0.0**
Cumulative Beginning January 2014 [A]:	**612.8**	**716.3**	**5.6**	**38.3**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids

feet btc = Feet below top of casing

Sock = LNAPL absorbent sock

-- = Not applicable

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

TABLE 8e
Summary of LNAPL Removal in Well TF-18 - 1st Quarter 2016
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 (ounces)	LNAPL Removed with Socks (fluid ounces)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
1/4/16 6:45	30.82	33.73	2.91	2.5	0	0.0	225.7	1,544.8
1/4/16 14:45			2.91	2.5	0	0.0	228.2	1,561.9
1/7/16 15:00	30.75	33.30	2.55	2.0	0	0.0	230.2	1,575.6
1/11/16 9:27	30.52	32.86	2.34	2.0	0	0.0	232.2	1,589.2
1/15/16 13:00	30.57	32.56	1.99	2.0	0	0.0	234.2	1,602.9
1/19/16 10:10	30.48	32.57	2.09	2.0	0	0.0	236.2	1,616.6
1/20/16 10:30	30.56	32.60	2.04	2.0	0	0.0	238.2	1,630.3
1/22/16 8:10	30.52	32.60	2.08	2.0	0	0.0	240.2	1,644.0
1/25/16 12:20	30.47	32.37	1.90	2.0	0	0.0	242.2	1,657.7
1/27/16 15:15	30.46	32.25	1.79	1.5	0	0.0	243.7	1,667.9
1/29/16 14:30	30.43	32.29	1.86	1.8	0	0.0	245.5	1,679.9
2/1/16 14:15	30.44	32.31	1.87	2.0	0	0.0	247.5	1,693.6
2/3/16 11:35	30.48	32.33	1.85	1.5	0	0.0	249.0	1,703.9
2/4/16 13:50	30.46	32.35	1.89	1.5	0	0.0	250.5	1,714.1
2/11/16 11:40	30.45	32.38	1.93	1.5	0	0.0	252.0	1,724.4
2/16/16 15:15	30.43	32.34	1.91	1.5	0	0.0	253.5	1,734.7
2/22/16 10:50	30.49	32.40	1.91	1.5	0	0.0	255.0	1,744.9
2/26/16 13:30	30.48	32.43	1.95	1.5	0	0.0	256.5	1,755.2
3/2/16 12:30	30.58	32.73	2.15	1.3	0	0.0	257.7	1,763.7
3/3/16 15:30	30.58	32.71	2.13	2.0	0	0.0	259.7	1,777.4

TABLE 8e
Summary of LNAPL Removal in Well TF-18 - 1st Quarter 2016
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 (ounces)	LNAPL Removed with Socks (fluid ounces)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
3/7/16 8:00	30.53	32.61	2.08	1.5	0	0.0	261.2	1,787.7
3/14/16 14:45	30.91	34.08	3.17	3.5	0	0.0	264.7	1,811.6
3/18/16 13:00	31.03	34.19	3.16	3.0	0	0.0	267.7	1,832.2
3/21/16 14:00	31.08	34.14	3.06	3.0	0	0.0	270.7	1,852.7
3/28/16 8:30	31.12	34.14	3.02	3.0	0	0.0	273.7	1,873.2
Cumulative for the Reporting Period:				**50.5**	**0**	**0.0**	**143.1**	**978.9**
Cumulative Beginning January 2014 [A]:				**228.8**	**4,916**	**5,746.3**	**273.7**	**1,873.2**

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

TABLE 8f
Summary of LNAPL Removal in Well TF-19 - 1st Quarter 2016
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 (ounces)	LNAPL Removed with Socks (fluid ounces)	Cumulative LNAPL Removed Via Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Pumping, Bailing and Socks [A] (pounds)
01/11/16	--	32.38	--	0.0	16	18.7	9.7	66.5
01/22/16	--	32.53	--	0.0	44	51.4	10.1	69.3
02/10/16	32.41	32.48	0.07	0.0	56	65.5	10.6	72.8
02/22/16	32.32	33.02	0.70	0.5	64	74.8	11.7	80.2
03/02/16	32.41	33.08	0.67	0.3	60	70.1	12.5	85.7
03/14/16	32.73	33.46	0.73	0.5	64	74.8	13.6	93.1
03/21/16	--	33.06	--	0.0	52	60.8	14.1	96.3
Cumulative for the Reporting Period:				**1.3**	**356**	**416.1**	**4.5**	**30.8**
Cumulative Beginning June 2015 [A]:				**4.3**	**1,076**	**1,257.7**	**14.1**	**96.3**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids

feet btc = Feet below top of casing

Sock = LNAPL absorbent sock

-- = Not applicable

A = Cumulative LNAPL removed since June 2015.

TABLE 8g
Summary of LNAPL Removal in Well GMW-7 - 1st Quarter 2016
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 (ounces)	LNAPL Removed with Socks (fluid ounces)	Cumulative LNAPL Removed Via Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via, Pumping, Bailing and Socks [A] (pounds)
01/11/16	--	33.45	--	0.0	32	37.4	15.0	102.7
01/22/16	--	33.47	--	0.0	12	14.0	15.1	103.5
02/10/16	--	33.33	--	0.0	20	23.4	15.3	104.7
02/22/16	--	33.35	--	0.0	20	23.4	15.5	106.0
03/14/16	--	33.71	--	0.0	16	18.7	15.6	107.0
03/21/16	--	33.89	--	0.0	20	23.4	15.8	108.2

Cumulative for the Reporting Period:	**0.0**	**120**	**140.3**	**1.1**	**7.5**
Cumulative Beginning December 2014 [A]:	**8.0**	**856**	**1,000.6**	**15.8**	**108.2**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids

feet btc = Feet below top of casing

Sock = LNAPL absorbent sock (approximately 18" long with 3" diameter)

-- = Not applicable

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

APPENDIX A

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS

AMERICAN ANALYTICS

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

January 22, 2016

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5331611 / 6A12015

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 01/12/16 14:08 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331611
Date Received: 01/12/16
Date Reported: 01/22/16

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B TPHGASOLINEBTEXOXY					
Surge Tank	6A12015-01	Water	5	01/12/16 09:50	01/12/16 14:08
After GAC-1	6A12015-02	Water	5	01/12/16 09:44	01/12/16 14:08
After GAC-2	6A12015-03	Water	5	01/12/16 09:40	01/12/16 14:08
Arsenic Total EPA 200.7					
Surge Tank	6A12015-01	Water	5	01/12/16 09:50	01/12/16 14:08
After Bed-1	6A12015-04	Water	5	01/12/16 09:33	01/12/16 14:08
Diesel Range Organics 8015M					
Surge Tank	6A12015-01	Water	5	01/12/16 09:50	01/12/16 14:08
After GAC-1	6A12015-02	Water	5	01/12/16 09:44	01/12/16 14:08
After GAC-2	6A12015-03	Water	5	01/12/16 09:40	01/12/16 14:08

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: A5331611
Date Received: 01/12/16
Date Reported: 01/22/16
Units: ug/L

Date Sampled:	01/12/16	01/12/16	01/12/16		
Date Prepared:	01/15/16	01/15/16	01/15/16		
Date Analyzed:	01/15/16	01/15/16	01/15/16		
AA ID No:	6A12015-01	6A12015-02	6A12015-03		
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	**14**	<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	**3.6**	<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)	**510**	<40	<40	40	100
Methyl-tert-Butyl Ether (MTBE)	<0.40	<0.40	<0.40	0.40	2.0
Toluene	<0.30	<0.30	<0.30	0.30	0.50
o-Xylene	**7.0**	<0.30	<0.30	0.30	0.50
m,p-Xylenes	**25**	<0.40	<0.40	0.40	1.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	96%	104%	99%		70-140
Dibromofluoromethane	105%	90%	99%		70-140
Toluene-d8	98%	102%	102%		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: A5331611
Date Received: 01/12/16
Date Reported: 01/22/16
Units: ug/L

Date Sampled:	01/12/16	01/12/16	01/12/16		
Date Prepared:	01/13/16	01/13/16	01/13/16		
Date Analyzed:	01/13/16	01/13/16	01/13/16		
AA ID No:	6A12015-01	6A12015-02	6A12015-03		
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	**2000**	<60	<60	60	100
Surrogates				**%REC Limits**	
o-Terphenyl	94%	86%	76%	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: A5331611
Date Received: 01/12/16
Date Reported: 01/22/16

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
Arsenic Total EPA 200.7 (EPA 200.7)									
6A12015-01	Surge Tank	01/12/16	01/14/16	01/14/16	1	**0.026**	mg/L	0.006	0.007
6A12015-04	After Bed-1	01/12/16	01/14/16	01/14/16	1	<0.0060	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: A5331611
Date Received: 01/12/16
Date Reported: 01/22/16

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 B6A1511 - EPA 5030B										
Blank (B6A1511-BLK1)				Prepared & Analyzed: 01/15/16						
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	*47.5*		*ug/L*	*50*		*95.0*	*70-140*			
Surrogate: Dibromofluoromethane	*54.5*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Toluene-d8	*48.6*		*ug/L*	*50*		*97.2*	*70-140*			
LCS (B6A1511-BS1)				Prepared & Analyzed: 01/15/16						
tert-Amyl Methyl Ether (TAME)	**20.8**	0.30	ug/L	20		104	70-130			
Benzene	**20.0**	0.20	ug/L	20		99.8	75-125			
tert-Butyl alcohol (TBA)	**109**	7.0	ug/L	100		109	70-130			
Diisopropyl ether (DIPE)	**20.4**	0.50	ug/L	20		102	70-130			
Ethylbenzene	**20.9**	0.20	ug/L	20		105	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**20.2**	0.40	ug/L	20		101	70-130			
Gasoline Range Organics (GRO)	**550**	40	ug/L	500		110	70-130			
Methyl-tert-Butyl Ether (MTBE)	**37.6**	0.40	ug/L	40		94.1	70-135			
Toluene	**20.1**	0.30	ug/L	20		101	75-125			
o-Xylene	**20.5**	0.30	ug/L	20		103	75-125			
m,p-Xylenes	**42.2**	0.40	ug/L	40		106	70-130			
Surrogate: 4-Bromofluorobenzene	*47.3*		*ug/L*	*50*		*94.6*	*70-140*			
Surrogate: Dibromofluoromethane	*49.8*		*ug/L*	*50*		*99.6*	*70-140*			
Surrogate: Toluene-d8	*49.8*		*ug/L*	*50*		*99.6*	*70-140*			
Matrix Spike (B6A1511-MS1)				**Source: 6A12015-03** Prepared & Analyzed: 01/15/16						

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: A5331611
Date Received: 01/12/16
Date Reported: 01/22/16

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 B6A1511 - EPA 5030B										
Matrix Spike (B6A1511-MS1) Continued Source: 6A12015-03 Prepared & Analyzed: 01/15/16										
tert-Amyl Methyl Ether (TAME)	**23.2**	0.30	ug/L	20	<2.0	116	70-130			
Benzene	**19.3**	0.20	ug/L	20	<0.50	96.4	70-130			
tert-Butyl alcohol (TBA)	**117**	7.0	ug/L	100	<10	117	70-130			
Diisopropyl ether (DIPE)	**20.8**	0.50	ug/L	20	<2.0	104	70-130			
Ethylbenzene	**20.7**	0.20	ug/L	20	<0.50	103	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**21.3**	0.40	ug/L	20	<2.0	106	70-130			
Gasoline Range Organics (GRO)	**503**	40	ug/L	500	<100	101	70-130			
Methyl-tert-Butyl Ether (MTBE)	**43.2**	0.40	ug/L	40	<2.0	108	70-130			
Toluene	**19.7**	0.30	ug/L	20	<0.50	98.6	70-130			
o-Xylene	**21.1**	0.30	ug/L	20	<0.50	106	70-130			
m,p-Xylenes	**42.0**	0.40	ug/L	40	<1.0	105	70-130			
Surrogate: 4-Bromofluorobenzene	*48.5*		*ug/L*	*50*		*96.9*	*70-140*			
Surrogate: Dibromofluoromethane	*50.8*		*ug/L*	*50*		*102*	*70-140*			
Surrogate: Toluene-d8	*46.9*		*ug/L*	*50*		*93.7*	*70-140*			
Matrix Spike Dup (B6A1511-MSD1) **Source: 6A12015-03** Prepared & Analyzed: 01/15/16										
tert-Amyl Methyl Ether (TAME)	**27.9**	0.30	ug/L	20	<2.0	140	70-130	18.6	30	**
Benzene	**18.9**	0.20	ug/L	20	<0.50	94.5	70-130	2.04	30	
tert-Butyl alcohol (TBA)	**127**	7.0	ug/L	100	<10	127	70-130	8.20	30	
Diisopropyl ether (DIPE)	**24.1**	0.50	ug/L	20	<2.0	120	70-130	14.5	30	
Ethylbenzene	**19.3**	0.20	ug/L	20	<0.50	96.4	70-130	7.00	30	
Ethyl-tert-Butyl Ether (ETBE)	**25.4**	0.40	ug/L	20	<2.0	127	70-130	17.7	30	
Gasoline Range Organics (GRO)	**492**	40	ug/L	500	<100	98.4	70-130	2.21	30	
Methyl-tert-Butyl Ether (MTBE)	**48.6**	0.40	ug/L	40	<2.0	122	70-130	11.8	30	
Toluene	**18.9**	0.30	ug/L	20	<0.50	94.6	70-130	4.09	30	
o-Xylene	**18.8**	0.30	ug/L	20	<0.50	94.2	70-130	11.4	30	
m,p-Xylenes	**37.8**	0.40	ug/L	40	<1.0	94.4	70-130	10.7	30	
Surrogate: 4-Bromofluorobenzene	*52.8*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Dibromofluoromethane	*42.5*		*ug/L*	*50*		*85.0*	*70-140*			
Surrogate: Toluene-d8	*43.9*		*ug/L*	*50*		*87.8*	*70-140*			
Diesel Range Organics by GC/FID - Quality Control										

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331611
Date Received: 01/12/16
Date Reported: 01/22/16

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 B6A1324 - EPA 3510C										
Blank (B6A1324-BLK1)				Prepared & Analyzed: 01/13/16						
Diesel Range Organics as Diesel	<60	60	ug/L							
Surrogate: o-Terphenyl	*39.2*		*ug/L*	*40*		*98.1*	*50-150*			
LCS (B6A1324-BS1)				Prepared & Analyzed: 01/13/16						
Diesel Range Organics as Diesel	**632**	60	ug/L	800		79.1	75-125		30	
Surrogate: o-Terphenyl	*47.9*		*ug/L*	*40*		*120*	*50-150*			
LCS Dup (B6A1324-BSD1)				Prepared & Analyzed: 01/13/16						
Diesel Range Organics as Diesel	**661**	60	ug/L	800		82.7	75-125	4.46	30	
Surrogate: o-Terphenyl	*52.9*		*ug/L*	*40*		*132*	*50-150*			
Total Metals by ICP Atomic Emission Spectroscopy - Quality Control										
Batch B6A1409 - EPA 3010A										
Blank (B6A1409-BLK1)				Prepared & Analyzed: 01/14/16						
Arsenic	<0.0060	0.0060	mg/L							
LCS (B6A1409-BS1)				Prepared & Analyzed: 01/14/16						
Arsenic	**0.200**	0.0060	mg/L	0.20		99.8	80-120		20	
LCS Dup (B6A1409-BSD1)				Prepared & Analyzed: 01/14/16						
Arsenic	**0.209**	0.0060	mg/L	0.20		104	80-120	4.56	20	
Matrix Spike (B6A1409-MS1)			**Source: 6A12016-02**	Prepared & Analyzed: 01/14/16						
Arsenic	**0.187**	0.0060	mg/L	0.20	0.0300	78.4	75-125		20	
Matrix Spike Dup (B6A1409-MSD1)			**Source: 6A12016-02**	Prepared & Analyzed: 01/14/16						
Arsenic	**0.180**	0.0060	mg/L	0.20	0.0300	75.0	75-125	3.71	20	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331611
Project No:	04-NDLA-013	**Date Received:**	01/12/16
Project Name:	DFSP Norwalk GWETS NPDES Monthly	**Date Reported:**	01/22/16

Special Notes

[1] = ****** : Exceeds upper control limit

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

124188

Client: The Source Group, Inc.	**Project Name / No.:** DFSP - Norwalk / 04-SDLA	**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)

Client I.D.	[redacted]	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	GA12015-01	1-12-16	0950	Water	5	✓	✓	✓	
After GAC-1	-02	↓	0944	Water	4	✓	✓		
After GAC-2	-03		0940	Water	4	✓	✓		
After Bed-1	-04		0933	Water	1			✓	

RECEIVED
Date 1/12/16 Time 1515
TAT N Days Sign:

AS331611/GA12015

Relinquished by	Date	Time	Received by
Glenn Androsko	1-12-16	1230	
Relinquished by	Date	Time	Received by
	1/12/16	1408	
Relinquished by	Date	Time	Received by

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

AMERICAN ANALYTICS

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

January 22, 2016

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5331618 / 6A14002

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 01/14/16 09:37 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: A5331618
Date Received: 01/14/16
Date Reported: 01/22/16

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
Influent	6A14002-01	Vapor	5	01/13/16 11:23	01/14/16 09:37
Effluent	6A14002-02	Vapor	5	01/13/16 11:18	01/14/16 09:37
VOCs Gasoline Range Organics Vapor					
Influent	6A14002-01	Vapor	5	01/13/16 11:23	01/14/16 09:37
Effluent	6A14002-02	Vapor	5	01/13/16 11:18	01/14/16 09:37
VOCs GRO Vapor as Hexane					
Influent	6A14002-01	Vapor	5	01/13/16 11:23	01/14/16 09:37
Effluent	6A14002-02	Vapor	5	01/13/16 11:18	01/14/16 09:37

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331618
Project No:	04-NDLA-013	**Date Received:**	01/14/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/22/16
Matrix:	Vapor	**Sampled:**	01/13/16
Dilution:	1	**Prepared:**	01/15/16
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	01/15/16

Influent

6A14002-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**0.52**	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	**1.1**	ug/L	0.50	**0.29**	ppmv	0.13
o-Xylene	**0.95**	ug/L	0.50	**0.22**	ppmv	0.12
m,p-Xylenes	**1.3**	ug/L	1.0	**0.30**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	94.5 %	70-140
Dibromofluoromethane	124 %	70-140
Toluene-d8	93.9 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331618
Project No:	04-NDLA-013	**Date Received:**	01/14/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/22/16
Matrix:	Vapor	**Sampled:**	01/13/16
Dilution:	0.5	**Prepared:**	01/15/16
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	01/15/16

Effluent

6A14002-02 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	98.8 %	70-140
Dibromofluoromethane	132 %	70-140
Toluene-d8	94.1 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331618
Project No:	04-NDLA-013	**Date Received:**	01/14/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/22/16
Matrix:	Vapor	**Sampled:**	01/13/16
Dilution:	1	**Prepared:**	01/14/16
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	01/14/16

Influent

6A14002-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**470**	ug/L	20	**110**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	92.6 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331618
Project No:	04-NDLA-013	**Date Received:**	01/14/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/22/16
Matrix:	Vapor	**Sampled:**	01/13/16
Dilution:	1	**Prepared:**	01/14/16
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	01/14/16

Effluent

6A14002-02 (Vapor)

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

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	94.3 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331618
Project No:	04-NDLA-013	**Date Received:**	01/14/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/22/16
Matrix:	Vapor	**Sampled:**	01/13/16
Dilution:	1	**Prepared:**	01/14/16
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	01/14/16

Influent

6A14002-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**470**	ug/L	20	**130**	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	92.6 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331618
Project No:	04-NDLA-013	**Date Received:**	01/14/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/22/16
Matrix:	Vapor	**Sampled:**	01/13/16
Dilution:	1	**Prepared:**	01/14/16
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	01/14/16

Effluent

6A14002-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	<20	ug/L	20	<5.7	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	94.3 %	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: A5331618
Date Received: 01/14/16
Date Reported: 01/22/16

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 B6A1509 - *** DEFAULT PREP ****										
Blank (B6A1509-BLK1)				Prepared & Analyzed: 01/15/16						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*48.6*		*ug/L*	*50*		*97.1*	*70-140*			
Surrogate: Dibromofluoromethane	*56.8*		*ug/L*	*50*		*114*	*70-140*			
Surrogate: Toluene-d8	*48.6*		*ug/L*	*50*		*97.2*	*70-140*			
LCS (B6A1509-BS1)				Prepared & Analyzed: 01/15/16						
Benzene	**18.1**	0.50	ug/L	20		90.4	75-125			
Ethylbenzene	**19.5**	0.50	ug/L	20		97.6	75-125			
Methyl-tert-Butyl Ether (MTBE)	**43.1**	2.0	ug/L	40		108	75-125			
Toluene	**18.6**	0.50	ug/L	20		93.0	75-125			
o-Xylene	**18.8**	0.50	ug/L	20		94.2	75-125			
m,p-Xylenes	**39.0**	1.0	ug/L	40		97.6	75-125			
Surrogate: 4-Bromofluorobenzene	*47.6*		*ug/L*	*50*		*95.2*	*70-140*			
Surrogate: Dibromofluoromethane	*53.4*		*ug/L*	*50*		*107*	*70-140*			
Surrogate: Toluene-d8	*48.0*		*ug/L*	*50*		*96.0*	*70-140*			
LCS Dup (B6A1509-BSD1)				Prepared: 01/15/16 Analyzed: 01/16/16						
Benzene	**18.5**	0.50	ug/L	20		92.6	75-125	2.30	30	
Ethylbenzene	**19.6**	0.50	ug/L	20		98.0	75-125	0.460	30	
Methyl-tert-Butyl Ether (MTBE)	**42.2**	2.0	ug/L	40		105	75-125	2.09	30	
Toluene	**17.9**	0.50	ug/L	20		89.4	75-125	4.06	30	
o-Xylene	**18.8**	0.50	ug/L	20		94.1	75-125	0.0531	30	
m,p-Xylenes	**38.7**	1.0	ug/L	40		96.7	75-125	0.901	30	
Surrogate: 4-Bromofluorobenzene	*48.6*		*ug/L*	*50*		*97.2*	*70-140*			
Surrogate: Dibromofluoromethane	*56.0*		*ug/L*	*50*		*112*	*70-140*			
Surrogate: Toluene-d8	*48.0*		*ug/L*	*50*		*95.9*	*70-140*			
Duplicate (B6A1509-DUP1)				**Source: 6A14003-02** Prepared & Analyzed: 01/15/16						

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: A5331618
Date Received: 01/14/16
Date Reported: 01/22/16

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 B6A1509 - *** DEFAULT PREP ****										
Duplicate (B6A1509-DUP1) Continued				**Source: 6A14003-02**			Prepared & Analyzed: 01/15/16			
Benzene	**<0.50**	0.50	ug/L						30	
Ethylbenzene	**<0.50**	0.50	ug/L						30	
Methyl-tert-Butyl Ether (MTBE)	**<2.0**	2.0	ug/L						30	
Toluene	**<0.50**	0.50	ug/L						30	
o-Xylene	**<0.50**	0.50	ug/L						30	
m,p-Xylenes	**<1.0**	1.0	ug/L						30	
Surrogate: 4-Bromofluorobenzene	*49.6*		*ug/L*	*50*		*99.3*	*70-140*			
Surrogate: Dibromofluoromethane	*63.7*		*ug/L*	*50*		*127*	*70-140*			
Surrogate: Toluene-d8	*48.2*		*ug/L*	*50*		*96.3*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B6A1417 - *** DEFAULT PREP ****										
Blank (B6A1417-BLK1)							Prepared & Analyzed: 01/14/16			
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*45.4*		*ug/L*	*50*		*90.8*	*70-130*			
LCS (B6A1417-BS1)							Prepared & Analyzed: 01/14/16			
Gasoline Range Organics (GRO)	**433**	20	ug/L	500		86.6	75-125			
Surrogate: a,a,a-Trifluorotoluene	*45.4*		*ug/L*	*50*		*90.7*	*70-130*			
LCS Dup (B6A1417-BSD1)							Prepared & Analyzed: 01/14/16			
Gasoline Range Organics (GRO)	**436**	20	ug/L	500		87.1	75-125	0.580	30	
Surrogate: a,a,a-Trifluorotoluene	*46.0*		*ug/L*	*50*		*92.0*	*70-130*			
Duplicate (B6A1417-DUP1)				**Source: 6A14003-01**			Prepared & Analyzed: 01/14/16			
Gasoline Range Organics (GRO)	**497**	20	ug/L		571			13.8	30	
Surrogate: a,a,a-Trifluorotoluene	*48.7*		*ug/L*	*50*		*97.5*	*70-130*			
Gasoline Range Organics in Vapor as Hexane - Quality Control										
*Batch B6A1417 - *** DEFAULT PREP ****										
Blank (B6A1417-BLK1)							Prepared & Analyzed: 01/14/16			
GRO as Hexane	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*45.4*		*ug/L*	*50*		*90.8*	*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: A5331618
Date Received: 01/14/16
Date Reported: 01/22/16

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 B6A1417 - *** DEFAULT PREP ****										
LCS (B6A1417-BS1)				Prepared & Analyzed: 01/14/16						
GRO as Hexane	**433**	20	ug/L	500		86.6	75-125			
Surrogate: a,a,a-Trifluorotoluene	*45.4*		*ug/L*	*50*		*90.7*	*70-130*			
LCS Dup (B6A1417-BSD1)				Prepared & Analyzed: 01/14/16						
GRO as Hexane	**436**	20	ug/L	500		87.1	75-125	0.580	30	
Surrogate: a,a,a-Trifluorotoluene	*46.0*		*ug/L*	*50*		*92.0*	*70-130*			
Duplicate (B6A1417-DUP1)			**Source: 6A14003-01**	Prepared & Analyzed: 01/14/16						
GRO as Hexane	**497**	20	ug/L		571			13.8	30	
Surrogate: a,a,a-Trifluorotoluene	*48.7*		*ug/L*	*50*		*97.5*	*70-130*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331618
Project No:	04-NDLA-013	**Date Received:**	01/14/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	01/22/16

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

124206

Client:	The Source Group, Inc.	**Project Name / No.:**	DFSP - Norwalk / 04-SDLA	**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
Influent	6A14002-01	1-13-16	1123	Air	1	✓	✓	✓								
Effluent	-02	1-13-16	1118	Air	1	✓	✓	✓								

PRIORITY Rush Hrs SH Date 1/14/16 Time 1330 Sign

A5331618 / 6A14002

Relinquished by	Date	Time	Received by
Glenn Androsko	1-14-16	07:44	[signature]
	1/14/16	09:57	[signature]

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

AMERICAN ANALYTICS

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

February 16, 2016

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5331629 / 6B01013

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 02/01/16 18:17 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: A5331629
Date Received: 02/01/16
Date Reported: 02/16/16

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B TPHGASOLINEBTEXOXY					
Surge Tank	6B01013-01	Water	5	02/01/16 10:09	02/01/16 18:17
After GAC-1	6B01013-02	Water	5	02/01/16 10:04	02/01/16 18:17
After GAC-2	6B01013-03	Water	5	02/01/16 09:58	02/01/16 18:17
Arsenic Total EPA 200.7					
Surge Tank	6B01013-01	Water	5	02/01/16 10:09	02/01/16 18:17
After Zolite Bed	6B01013-04	Water	5	02/01/16 09:51	02/01/16 18:17
After Alumina Bed	6B01013-05	Water	5	02/01/16 09:50	02/01/16 18:17
Diesel Range Organics 8015M					
Surge Tank	6B01013-01	Water	5	02/01/16 10:09	02/01/16 18:17
After GAC-1	6B01013-02	Water	5	02/01/16 10:04	02/01/16 18:17
After GAC-2	6B01013-03	Water	5	02/01/16 09:58	02/01/16 18:17

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331629
Date Received: 02/01/16
Date Reported: 02/16/16
Units: ug/L

Date Sampled:	02/01/16	02/01/16	02/01/16		
Date Prepared:	02/04/16	02/04/16	02/04/16		
Date Analyzed:	02/04/16	02/04/16	02/04/16		
AA ID No:	6B01013-01	6B01013-02	6B01013-03		
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	**13**	<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	**0.53**	<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)	**180**	<40	<40	40	100
Methyl-tert-Butyl Ether (MTBE)	<0.40	<0.40	<0.40	0.40	2.0
Toluene	<0.30	<0.30	<0.30	0.30	0.50
o-Xylene	<0.30	<0.30	<0.30	0.30	0.50
m,p-Xylenes	**2.7**	<0.40	<0.40	0.40	1.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	100%	131%	119%		70-140
Dibromofluoromethane	109%	91%	88%		70-140
Toluene-d8	99%	105%	105%		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: A5331629
Date Received: 02/01/16
Date Reported: 02/16/16
Units: ug/L

Date Sampled:	02/01/16	02/01/16	02/01/16		
Date Prepared:	02/05/16	02/05/16	02/05/16		
Date Analyzed:	02/05/16	02/05/16	02/05/16		
AA ID No:	6B01013-01	6B01013-02	6B01013-03		
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	**72 J**	<60	<60	60	100
Surrogates				**%REC Limits**	
o-Terphenyl	87%	91%	84%	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: A5331629
Date Received: 02/01/16
Date Reported: 02/16/16

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
Arsenic Total EPA 200.7 (EPA 200.7)									
6B01013-01	Surge Tank	02/01/16	02/03/16	02/03/16	5	**0.035**J	mg/L	0.006	0.007
6B01013-04	After Zolite Bed	02/01/16	02/03/16	02/03/16	2	**0.027**	mg/L	0.006	0.007
6B01013-05	After Alumina Bed	02/01/16	02/03/16	02/03/16	2	**0.027**	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: A5331629
Date Received: 02/01/16
Date Reported: 02/16/16

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 B6B0411 - EPA 5030B										
Blank (B6B0411-BLK1)				Prepared & Analyzed: 02/04/16						
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	*56.5*		*ug/L*	*50*		*113*	*70-140*			
Surrogate: Dibromofluoromethane	*43.1*		*ug/L*	*50*		*86.2*	*70-140*			
Surrogate: Toluene-d8	*53.3*		*ug/L*	*50*		*107*	*70-140*			
LCS (B6B0411-BS1)				Prepared & Analyzed: 02/04/16						
tert-Amyl Methyl Ether (TAME)	**21.7**	0.30	ug/L	20		109	70-130			
Benzene	**18.3**	0.20	ug/L	20		91.6	75-125			
tert-Butyl alcohol (TBA)	**112**	7.0	ug/L	100		112	70-130			
Diisopropyl ether (DIPE)	**19.2**	0.50	ug/L	20		96.2	70-130			
Ethylbenzene	**20.4**	0.20	ug/L	20		102	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**20.1**	0.40	ug/L	20		100	70-130			
Gasoline Range Organics (GRO)	**563**	40	ug/L	500		113	70-130			
Methyl-tert-Butyl Ether (MTBE)	**39.5**	0.40	ug/L	40		98.8	70-135			
Toluene	**19.4**	0.30	ug/L	20		97.2	75-125			
o-Xylene	**20.1**	0.30	ug/L	20		100	75-125			
m,p-Xylenes	**40.7**	0.40	ug/L	40		102	70-130			
Surrogate: 4-Bromofluorobenzene	*49.3*		*ug/L*	*50*		*98.6*	*70-140*			
Surrogate: Dibromofluoromethane	*48.2*		*ug/L*	*50*		*96.4*	*70-140*			
Surrogate: Toluene-d8	*48.0*		*ug/L*	*50*		*95.9*	*70-140*			
Matrix Spike (B6B0411-MS1)				**Source: 6B01013-02** Prepared: 02/04/16 Analyzed: 02/05/16						

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: A5331629
Date Received: 02/01/16
Date Reported: 02/16/16

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 B6B0411 - EPA 5030B										
Matrix Spike (B6B0411-MS1) Continued Source: 6B01013-02 Prepared: 02/04/16 Analyzed: 02/05/16										
tert-Amyl Methyl Ether (TAME)	**25.0**	0.30	ug/L	20	<2.0	125	70-130			
Benzene	**22.6**	0.20	ug/L	20	<0.50	113	70-130			
tert-Butyl alcohol (TBA)	**120**	7.0	ug/L	100	<10	120	70-130			
Diisopropyl ether (DIPE)	**21.0**	0.50	ug/L	20	<2.0	105	70-130			
Ethylbenzene	**17.9**	0.20	ug/L	20	<0.50	89.7	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**21.6**	0.40	ug/L	20	<2.0	108	70-130			
Gasoline Range Organics (GRO)	**506**	40	ug/L	500	<100	101	70-130			
Methyl-tert-Butyl Ether (MTBE)	**40.4**	0.40	ug/L	40	<2.0	101	70-130			
Toluene	**19.3**	0.30	ug/L	20	<0.50	96.4	70-130			
o-Xylene	**16.5**	0.30	ug/L	20	<0.50	82.5	70-130			
m,p-Xylenes	**33.7**	0.40	ug/L	40	<1.0	84.2	70-130			
Surrogate: 4-Bromofluorobenzene	*62.1*		*ug/L*	*50*		*124*	*70-140*			
Surrogate: Dibromofluoromethane	*46.0*		*ug/L*	*50*		*92.0*	*70-140*			
Surrogate: Toluene-d8	*49.2*		*ug/L*	*50*		*98.4*	*70-140*			
Matrix Spike Dup (B6B0411-MSD1) **Source: 6B01013-02** Prepared: 02/04/16 Analyzed: 02/05/16										
tert-Amyl Methyl Ether (TAME)	**26.2**	0.30	ug/L	20	<2.0	131	70-130	4.88	30	
Benzene	**21.1**	0.20	ug/L	20	<0.50	106	70-130	6.95	30	
tert-Butyl alcohol (TBA)	**127**	7.0	ug/L	100	<10	127	70-130	5.67	30	
Diisopropyl ether (DIPE)	**24.8**	0.50	ug/L	20	<2.0	124	70-130	16.3	30	
Ethylbenzene	**18.4**	0.20	ug/L	20	<0.50	92.2	70-130	2.69	30	
Ethyl-tert-Butyl Ether (ETBE)	**24.9**	0.40	ug/L	20	<2.0	125	70-130	14.2	30	
Gasoline Range Organics (GRO)	**505**	40	ug/L	500	<100	101	70-130	0.198	30	
Methyl-tert-Butyl Ether (MTBE)	**45.7**	0.40	ug/L	40	<2.0	114	70-130	12.3	30	
Toluene	**18.4**	0.30	ug/L	20	<0.50	91.8	70-130	4.89	30	
o-Xylene	**18.5**	0.30	ug/L	20	<0.50	92.5	70-130	11.4	30	
m,p-Xylenes	**37.4**	0.40	ug/L	40	<1.0	93.4	70-130	10.4	30	
Surrogate: 4-Bromofluorobenzene	*50.2*		*ug/L*	*50*		*100*	*70-140*			
Surrogate: Dibromofluoromethane	*52.5*		*ug/L*	*50*		*105*	*70-140*			
Surrogate: Toluene-d8	*48.2*		*ug/L*	*50*		*96.3*	*70-140*			
Diesel Range Organics by GC/FID - Quality Control										

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331629
Date Received: 02/01/16
Date Reported: 02/16/16

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 B6B0502 - EPA 3510C										
Blank (B6B0502-BLK1)				Prepared & Analyzed: 02/05/16						
Diesel Range Organics as Diesel	<60	60	ug/L							
Surrogate: o-Terphenyl	*41.3*		*ug/L*	*40*		*103*	*50-150*			
LCS (B6B0502-BS1)				Prepared & Analyzed: 02/05/16						
Diesel Range Organics as Diesel	**741**	60	ug/L	800		92.6	75-125		30	
Surrogate: o-Terphenyl	*49.5*		*ug/L*	*40*		*124*	*50-150*			
LCS Dup (B6B0502-BSD1)				Prepared & Analyzed: 02/05/16						
Diesel Range Organics as Diesel	**698**	60	ug/L	800		87.2	75-125	6.05	30	
Surrogate: o-Terphenyl	*47.2*		*ug/L*	*40*		*118*	*50-150*			
Total Metals by ICP Atomic Emission Spectroscopy - Quality Control										
Batch B6B0316 - EPA 3010A										
Blank (B6B0316-BLK1)				Prepared & Analyzed: 02/03/16						
Arsenic	<0.0060	0.0060	mg/L							
LCS (B6B0316-BS1)				Prepared & Analyzed: 02/03/16						
Arsenic	**0.203**	0.0060	mg/L	0.20		102	80-120		20	
LCS Dup (B6B0316-BSD1)				Prepared & Analyzed: 02/03/16						
Arsenic	**0.203**	0.0060	mg/L	0.20		102	80-120	0.00	20	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331629
Project No:	04-NDLA-013	**Date Received:**	02/01/16
Project Name:	DFSP Norwalk GWETS NPDES Monthly	**Date Reported:**	02/16/16

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

124320

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

Client:	The Source Group, Inc.	**Project Name / No.:**	DFSP - Norwalk / 04-SDLA	**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	6B01013-01	2-1-16	1009	Water	5	✓	✓	✓	
After GAC-1	-02	↓	1004	Water	4	✓	✓		
After GAC-2	-03		0958	Water	4	✓	✓		
After Zolite Bed	-04		0951	Water	1			✓	
After Alumina Bed	-05	↓	0950	Water	1			✓	

REVIEWED Date 2/2/16 Time 0800 Sign. TAT N Days

A531629 / 6B01013

	Relinquished by	Date	Time	Received by
	Glenn Androsko	2-1-16	1622	
	Relinquished by	Date	Time	Received by
		2/1/16	1817	
	Relinquished by	Date	Time	Received by

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

AMERICAN ANALYTICS

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

February 22, 2016

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5331634 / 6B08021

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 02/08/16 16:20 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: A5331634
Date Received: 02/08/16
Date Reported: 02/22/16

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
VEW-32	6B08021-01	Vapor	5	02/08/16 09:15	02/08/16 16:20
VEW-33	6B08021-02	Vapor	5	02/08/16 09:31	02/08/16 16:20
HW-1	6B08021-03	Vapor	5	02/08/16 10:32	02/08/16 16:20
HW-3	6B08021-04	Vapor	5	02/08/16 10:36	02/08/16 16:20
HW-5	6B08021-05	Vapor	5	02/08/16 10:40	02/08/16 16:20
VOCs Gasoline Range Organics Vapor					
VEW-32	6B08021-01	Vapor	5	02/08/16 09:15	02/08/16 16:20
VEW-33	6B08021-02	Vapor	5	02/08/16 09:31	02/08/16 16:20
HW-1	6B08021-03	Vapor	5	02/08/16 10:32	02/08/16 16:20
HW-3	6B08021-04	Vapor	5	02/08/16 10:36	02/08/16 16:20
HW-5	6B08021-05	Vapor	5	02/08/16 10:40	02/08/16 16:20
VOCs GRO Vapor as Hexane					
VEW-32	6B08021-01	Vapor	5	02/08/16 09:15	02/08/16 16:20
VEW-33	6B08021-02	Vapor	5	02/08/16 09:31	02/08/16 16:20
HW-1	6B08021-03	Vapor	5	02/08/16 10:32	02/08/16 16:20
HW-3	6B08021-04	Vapor	5	02/08/16 10:36	02/08/16 16:20
HW-5	6B08021-05	Vapor	5	02/08/16 10:40	02/08/16 16:20

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331634
Project No:	04-NDLA-013	**Date Received:**	02/08/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/22/16
Matrix:	Vapor	**Sampled:**	02/08/16
Dilution:	1	**Prepared:**	02/10/16
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/10/16

VEW-32

6B08021-01 (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	99.7 %	70-140
Dibromofluoromethane	104 %	70-140
Toluene-d8	98.5 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331634
Project No:	04-NDLA-013	**Date Received:**	02/08/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/22/16
Matrix:	Vapor	**Sampled:**	02/08/16
Dilution:	1	**Prepared:**	02/10/16
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/10/16

VEW-33

6B08021-02 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	101 %	70-140
Dibromofluoromethane	113 %	70-140
Toluene-d8	95.1 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331634
Project No:	04-NDLA-013	**Date Received:**	02/08/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/22/16
Matrix:	Vapor	**Sampled:**	02/08/16
Dilution:	1	**Prepared:**	02/10/16
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/10/16

HW-1

6B08021-03 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**2.8**	ug/L	0.50	**0.88**	ppmv	0.16
Ethylbenzene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	<0.50	ug/L	0.50	<0.13	ppmv	0.13
o-Xylene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
m,p-Xylenes	<1.0	ug/L	1.0	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	95.0 %	70-140
Dibromofluoromethane	111 %	70-140
Toluene-d8	95.7 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331634
Project No:	04-NDLA-013	**Date Received:**	02/08/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/22/16
Matrix:	Vapor	**Sampled:**	02/08/16
Dilution:	1	**Prepared:**	02/10/16
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/10/16

HW-3

6B08021-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**3.8**	ug/L	0.50	**1.2**	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	**1.4**	ug/L	0.50	**0.37**	ppmv	0.13
o-Xylene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
m,p-Xylenes	<1.0	ug/L	1.0	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	97.6 %	70-140
Dibromofluoromethane	113 %	70-140
Toluene-d8	94.8 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331634
Project No:	04-NDLA-013	**Date Received:**	02/08/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/22/16
Matrix:	Vapor	**Sampled:**	02/08/16
Dilution:	1	**Prepared:**	02/10/16
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/10/16

HW-5

6B08021-05 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	94.7 %	70-140
Dibromofluoromethane	112 %	70-140
Toluene-d8	94.4 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331634
Project No:	04-NDLA-013	**Date Received:**	02/08/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/22/16
Matrix:	Vapor	**Sampled:**	02/08/16
Dilution:	1	**Prepared:**	02/09/16
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/09/16

VEW-32

6B08021-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**550**	ug/L	20	**130**	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:**	A5331634
Project No:	04-NDLA-013	**Date Received:**	02/08/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/22/16
Matrix:	Vapor	**Sampled:**	02/08/16
Dilution:	1	**Prepared:**	02/09/16
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/09/16

VEW-33

6B08021-02 (Vapor)

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

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331634
Project No:	04-NDLA-013	**Date Received:**	02/08/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/22/16
Matrix:	Vapor	**Sampled:**	02/08/16
Dilution:	5	**Prepared:**	02/09/16
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/09/16

HW-1

6B08021-03 (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	97.6 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331634
Project No:	04-NDLA-013	**Date Received:**	02/08/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/22/16
Matrix:	Vapor	**Sampled:**	02/08/16
Dilution:	1	**Prepared:**	02/09/16
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/09/16

HW-3

6B08021-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**780**	ug/L	20	**190**	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:**	A5331634
Project No:	04-NDLA-013	**Date Received:**	02/08/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/22/16
Matrix:	Vapor	**Sampled:**	02/08/16
Dilution:	1	**Prepared:**	02/09/16
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/09/16

HW-5

6B08021-05 (Vapor)

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

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	97.5 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331634
Project No:	04-NDLA-013	**Date Received:**	02/08/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/22/16
Matrix:	Vapor	**Sampled:**	02/08/16
Dilution:	1	**Prepared:**	02/09/16
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	02/09/16

VEW-32

6B08021-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**550**	ug/L	20	**160**	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:**	A5331634
Project No:	04-NDLA-013	**Date Received:**	02/08/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/22/16
Matrix:	Vapor	**Sampled:**	02/08/16
Dilution:	1	**Prepared:**	02/09/16
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	02/09/16

VEW-33

6B08021-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**1100**	ug/L	20	**310**	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:**	A5331634
Project No:	04-NDLA-013	**Date Received:**	02/08/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/22/16
Matrix:	Vapor	**Sampled:**	02/08/16
Dilution:	5	**Prepared:**	02/09/16
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	02/09/16

HW-1

6B08021-03 (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	97.6 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331634
Project No:	04-NDLA-013	**Date Received:**	02/08/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/22/16
Matrix:	Vapor	**Sampled:**	02/08/16
Dilution:	1	**Prepared:**	02/09/16
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	02/09/16

HW-3

6B08021-04 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**780**	ug/L	20	**220**	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:**	A5331634
Project No:	04-NDLA-013	**Date Received:**	02/08/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/22/16
Matrix:	Vapor	**Sampled:**	02/08/16
Dilution:	1	**Prepared:**	02/09/16
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	02/09/16

HW-5

6B08021-05 (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	97.5 %	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: A5331634
Date Received: 02/08/16
Date Reported: 02/22/16

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 B6B1023 - *** DEFAULT PREP ****										
Blank (B6B1023-BLK1)				Prepared & Analyzed: 02/10/16						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*53.6*		*ug/L*	*50*		*107*	*70-140*			
Surrogate: Dibromofluoromethane	*44.2*		*ug/L*	*50*		*88.3*	*70-140*			
Surrogate: Toluene-d8	*50.1*		*ug/L*	*50*		*100*	*70-140*			
LCS (B6B1023-BS1)				Prepared & Analyzed: 02/10/16						
Benzene	**18.4**	0.50	ug/L	20		92.0	75-125			
Ethylbenzene	**19.3**	0.50	ug/L	20		96.6	75-125			
Methyl-tert-Butyl Ether (MTBE)	**42.8**	2.0	ug/L	40		107	75-125			
Toluene	**18.9**	0.50	ug/L	20		94.6	75-125			
o-Xylene	**18.8**	0.50	ug/L	20		94.0	75-125			
m,p-Xylenes	**37.1**	1.0	ug/L	40		92.7	75-125			
Surrogate: 4-Bromofluorobenzene	*50.6*		*ug/L*	*50*		*101*	*70-140*			
Surrogate: Dibromofluoromethane	*45.3*		*ug/L*	*50*		*90.7*	*70-140*			
Surrogate: Toluene-d8	*47.4*		*ug/L*	*50*		*94.7*	*70-140*			
LCS Dup (B6B1023-BSD1)				Prepared: 02/10/16 Analyzed: 02/11/16						
Benzene	**17.1**	0.50	ug/L	20		85.6	75-125	7.26	30	
Ethylbenzene	**18.1**	0.50	ug/L	20		90.6	75-125	6.41	30	
Methyl-tert-Butyl Ether (MTBE)	**38.2**	2.0	ug/L	40		95.5	75-125	11.5	30	
Toluene	**18.1**	0.50	ug/L	20		90.7	75-125	4.16	30	
o-Xylene	**17.6**	0.50	ug/L	20		88.2	75-125	6.31	30	
m,p-Xylenes	**35.3**	1.0	ug/L	40		88.2	75-125	4.92	30	
Surrogate: 4-Bromofluorobenzene	*55.0*		*ug/L*	*50*		*110*	*70-140*			
Surrogate: Dibromofluoromethane	*40.9*		*ug/L*	*50*		*81.8*	*70-140*			
Surrogate: Toluene-d8	*49.4*		*ug/L*	*50*		*98.8*	*70-140*			
Duplicate (B6B1023-DUP1)				**Source: 6B08021-01** Prepared & Analyzed: 02/10/16						

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: A5331634
Date Received: 02/08/16
Date Reported: 02/22/16

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 B6B1023 - *** DEFAULT PREP ****										
Duplicate (B6B1023-DUP1) Continued					**Source: 6B08021-01**		Prepared & Analyzed: 02/10/16			
Benzene	**<0.50**	0.50	ug/L		0.320			11.8	30	
Ethylbenzene	**<0.50**	0.50	ug/L		<0.50				30	
Methyl-tert-Butyl Ether (MTBE)	**<2.0**	2.0	ug/L		<2.0				30	
Toluene	**<0.50**	0.50	ug/L		<0.50				30	
o-Xylene	**<0.50**	0.50	ug/L		<0.50				30	
m,p-Xylenes	**<1.0**	1.0	ug/L		<1.0				30	
Surrogate: 4-Bromofluorobenzene	*48.9*		*ug/L*	*50*		*97.9*	*70-140*			
Surrogate: Dibromofluoromethane	*51.7*		*ug/L*	*50*		*103*	*70-140*			
Surrogate: Toluene-d8	*48.8*		*ug/L*	*50*		*97.6*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B6B0933 - *** DEFAULT PREP ****										
Blank (B6B0933-BLK1)							Prepared & Analyzed: 02/09/16			
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*50.6*		*ug/L*	*50*		*101*	*70-130*			
LCS (B6B0933-BS1)							Prepared & Analyzed: 02/09/16			
Gasoline Range Organics (GRO)	**459**	20	ug/L	500		91.8	75-125			
Surrogate: a,a,a-Trifluorotoluene	*48.2*		*ug/L*	*50*		*96.4*	*70-130*			
LCS Dup (B6B0933-BSD1)							Prepared & Analyzed: 02/09/16			
Gasoline Range Organics (GRO)	**440**	20	ug/L	500		88.0	75-125	4.25	30	
Surrogate: a,a,a-Trifluorotoluene	*44.9*		*ug/L*	*50*		*89.7*	*70-130*			
Duplicate (B6B0933-DUP1)					**Source: 6B08021-02**		Prepared & Analyzed: 02/09/16			
Gasoline Range Organics (GRO)	**846**	20	ug/L		1090			25.0	30	
Surrogate: a,a,a-Trifluorotoluene	*49.4*		*ug/L*	*50*		*98.8*	*70-130*			
Gasoline Range Organics in Vapor as Hexane - Quality Control										
*Batch B6B0933 - *** DEFAULT PREP ****										
Blank (B6B0933-BLK1)							Prepared & Analyzed: 02/09/16			
GRO as Hexane	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*50.6*		*ug/L*	*50*		*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: A5331634
Date Received: 02/08/16
Date Reported: 02/22/16

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 B6B0933 - *** DEFAULT PREP ****										
LCS (B6B0933-BS1)				Prepared & Analyzed: 02/09/16						
GRO as Hexane	**459**	20	ug/L	500		91.8	75-125			
Surrogate: a,a,a-Trifluorotoluene	*48.2*		*ug/L*	*50*		*96.4*	*70-130*			
LCS Dup (B6B0933-BSD1)				Prepared & Analyzed: 02/09/16						
GRO as Hexane	**440**	20	ug/L	500		88.0	75-125	4.25	30	
Surrogate: a,a,a-Trifluorotoluene	*44.9*		*ug/L*	*50*		*89.7*	*70-130*			
Duplicate (B6B0933-DUP1)				**Source: 6B08021-02** Prepared & Analyzed: 02/09/16						
GRO as Hexane	**846**	20	ug/L		1090			25.0	30	
Surrogate: a,a,a-Trifluorotoluene	*49.4*		*ug/L*	*50*		*98.8*	*70-130*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331634
Project No:	04-NDLA-013	**Date Received:**	02/08/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/22/16

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

124371

Client:	The Source Group, Inc.	Project Name / No.:	DFSP - Norwalk / 04-SDLA	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 as Gas 8015	BTEX/MTBE 8260B								Special Instructions
VEW-32	6B08021-01	2-8-16	0915	Air	1	✓	✓								
VEW-33	-02	↓	0931	Air	1	✓	✓								
HW-1	-03	↓	1032	Air	1	✓	✓								
HW-3	-04	↓	1036	Air	1	✓	✓								
HW-5	-05	↓	1040	Air	1	✓	✓								

PRIORITY ✓ SH
Rush ___ Hrs
Date 2/8/16 Time 1645 Sign [signature]

A5331634 / 6B08021

Relinquished by	Date	Time	Received by
[signature]	2-8-16	1115	[signature]
[signature]	2/8/16	1620	[signature]

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

AMERICAN ANALYTICS

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

February 23, 2016

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5331638 / 6B10017

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 02/10/16 11:54 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: A5331638
Date Received: 02/10/16
Date Reported: 02/23/16

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
Influent	6B10017-01	Vapor	5	02/10/16 08:51	02/10/16 11:54
Effluent	6B10017-02	Vapor	5	02/10/16 08:48	02/10/16 11:54
VOCs Gasoline Range Organics Vapor					
Influent	6B10017-01	Vapor	5	02/10/16 08:51	02/10/16 11:54
Effluent	6B10017-02	Vapor	5	02/10/16 08:48	02/10/16 11:54
VOCs GRO Vapor as Hexane					
Influent	6B10017-01	Vapor	5	02/10/16 08:51	02/10/16 11:54
Effluent	6B10017-02	Vapor	5	02/10/16 08:48	02/10/16 11:54

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331638
Project No:	04-NDLA-013	**Date Received:**	02/10/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/23/16
Matrix:	Vapor	**Sampled:**	02/10/16
Dilution:	1	**Prepared:**	02/11/16
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/11/16

Influent

6B10017-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**1.9**	ug/L	0.50	**0.59**	ppmv	0.16
Ethylbenzene	**1.0**	ug/L	0.50	**0.23**	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	**2.5**	ug/L	0.50	**0.66**	ppmv	0.13
o-Xylene	**1.7**	ug/L	0.50	**0.39**	ppmv	0.12
m,p-Xylenes	**2.6**	ug/L	1.0	**0.60**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	103 %	70-140
Dibromofluoromethane	105 %	70-140
Toluene-d8	102 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331638
Project No:	04-NDLA-013	**Date Received:**	02/10/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/23/16
Matrix:	Vapor	**Sampled:**	02/10/16
Dilution:	0.5	**Prepared:**	02/11/16
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	02/11/16

Effluent

6B10017-02 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	101 %	70-140
Dibromofluoromethane	104 %	70-140
Toluene-d8	102 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331638
Project No:	04-NDLA-013	**Date Received:**	02/10/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/23/16
Matrix:	Vapor	**Sampled:**	02/10/16
Dilution:	1	**Prepared:**	02/11/16
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/11/16

Influent

6B10017-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**400**	ug/L	20	**98**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	96.3 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331638
Project No:	04-NDLA-013	**Date Received:**	02/10/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/23/16
Matrix:	Vapor	**Sampled:**	02/10/16
Dilution:	1	**Prepared:**	02/11/16
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	02/11/16

Effluent

6B10017-02 (Vapor)

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

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	93.6 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331638
Project No:	04-NDLA-013	**Date Received:**	02/10/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/23/16
Matrix:	Vapor	**Sampled:**	02/10/16
Dilution:	1	**Prepared:**	02/11/16
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	02/11/16

Influent

6B10017-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**400**	ug/L	20	**110**	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	96.3 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331638
Project No:	04-NDLA-013	**Date Received:**	02/10/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/23/16
Matrix:	Vapor	**Sampled:**	02/10/16
Dilution:	1	**Prepared:**	02/11/16
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	02/11/16

Effluent

6B10017-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	<20	ug/L	20	<5.7	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	93.6 %	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: A5331638
Date Received: 02/10/16
Date Reported: 02/23/16

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 B6B1108 - *** DEFAULT PREP ****										
Blank (B6B1108-BLK1)				Prepared & Analyzed: 02/11/16						
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	*50.5*		*ug/L*	*50*		*101*	*70-140*			
Surrogate: Dibromofluoromethane	*55.7*		*ug/L*	*50*		*111*	*70-140*			
Surrogate: Toluene-d8	*50.5*		*ug/L*	*50*		*101*	*70-140*			
LCS (B6B1108-BS1)				Prepared & Analyzed: 02/11/16						
Benzene	**20.6**	0.50	ug/L	20		103	75-125			
Ethylbenzene	**20.8**	0.50	ug/L	20		104	75-125			
Methyl-tert-Butyl Ether (MTBE)	**35.0**	2.0	ug/L	40		87.5	75-125			
Toluene	**20.0**	0.50	ug/L	20		100	75-125			
o-Xylene	**20.9**	0.50	ug/L	20		104	75-125			
m,p-Xylenes	**42.1**	1.0	ug/L	40		105	75-125			
Surrogate: 4-Bromofluorobenzene	*50.4*		*ug/L*	*50*		*101*	*70-140*			
Surrogate: Dibromofluoromethane	*50.8*		*ug/L*	*50*		*102*	*70-140*			
Surrogate: Toluene-d8	*51.2*		*ug/L*	*50*		*102*	*70-140*			
LCS Dup (B6B1108-BSD1)				Prepared & Analyzed: 02/11/16						
Benzene	**21.3**	0.50	ug/L	20		107	75-125	3.34	30	
Ethylbenzene	**19.5**	0.50	ug/L	20		97.4	75-125	6.61	30	
Methyl-tert-Butyl Ether (MTBE)	**34.1**	2.0	ug/L	40		85.2	75-125	2.72	30	
Toluene	**19.0**	0.50	ug/L	20		94.9	75-125	5.28	30	
o-Xylene	**19.4**	0.50	ug/L	20		97.2	75-125	7.24	30	
m,p-Xylenes	**38.6**	1.0	ug/L	40		96.4	75-125	8.80	30	
Surrogate: 4-Bromofluorobenzene	*52.4*		*ug/L*	*50*		*105*	*70-140*			
Surrogate: Dibromofluoromethane	*52.5*		*ug/L*	*50*		*105*	*70-140*			
Surrogate: Toluene-d8	*50.2*		*ug/L*	*50*		*100*	*70-140*			
Duplicate (B6B1108-DUP1)				**Source: 6B10018-02** Prepared & Analyzed: 02/11/16						

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: A5331638
Date Received: 02/10/16
Date Reported: 02/23/16

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 B6B1108 - *** DEFAULT PREP ****										
Duplicate (B6B1108-DUP1) Continued				**Source: 6B10018-02**			Prepared & Analyzed: 02/11/16			
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	*50.6*		*ug/L*	*50*		*101*	*70-140*			
Surrogate: Dibromofluoromethane	*54.9*		*ug/L*	*50*		*110*	*70-140*			
Surrogate: Toluene-d8	*52.0*		*ug/L*	*50*		*104*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B6B1107 - *** DEFAULT PREP ****										
Blank (B6B1107-BLK1)							Prepared & Analyzed: 02/11/16			
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*46.2*		*ug/L*	*50*		*92.4*	*70-130*			
LCS (B6B1107-BS1)							Prepared & Analyzed: 02/11/16			
Gasoline Range Organics (GRO)	**457**	20	ug/L	500		91.4	75-125			
Surrogate: a,a,a-Trifluorotoluene	*45.4*		*ug/L*	*50*		*90.9*	*70-130*			
LCS Dup (B6B1107-BSD1)							Prepared & Analyzed: 02/11/16			
Gasoline Range Organics (GRO)	**442**	20	ug/L	500		88.3	75-125	3.43	30	
Surrogate: a,a,a-Trifluorotoluene	*46.9*		*ug/L*	*50*		*93.9*	*70-130*			
Duplicate (B6B1107-DUP1)				**Source: 6B10017-01**			Prepared & Analyzed: 02/11/16			
Gasoline Range Organics (GRO)	**330**	20	ug/L		402			19.7	30	
Surrogate: a,a,a-Trifluorotoluene	*43.2*		*ug/L*	*50*		*86.4*	*70-130*			
Gasoline Range Organics in Vapor as Hexane - Quality Control										
*Batch B6B1107 - *** DEFAULT PREP ****										
Blank (B6B1107-BLK1)							Prepared & Analyzed: 02/11/16			
GRO as Hexane	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*46.2*		*ug/L*	*50*		*92.4*	*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: A5331638
Date Received: 02/10/16
Date Reported: 02/23/16

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 B6B1107 - *** DEFAULT PREP ****										
LCS (B6B1107-BS1)				Prepared & Analyzed: 02/11/16						
GRO as Hexane	**457**	20	ug/L	500		91.4	75-125			
Surrogate: a,a,a-Trifluorotoluene	*45.4*		*ug/L*	*50*		*90.9*	*70-130*			
LCS Dup (B6B1107-BSD1)				Prepared & Analyzed: 02/11/16						
GRO as Hexane	**442**	20	ug/L	500		88.3	75-125	3.43	30	
Surrogate: a,a,a-Trifluorotoluene	*46.9*		*ug/L*	*50*		*93.9*	*70-130*			
Duplicate (B6B1107-DUP1)			**Source: 6B10017-01**	Prepared & Analyzed: 02/11/16						
GRO as Hexane	**330**	20	ug/L		402			19.7	30	
Surrogate: a,a,a-Trifluorotoluene	*43.2*		*ug/L*	*50*		*86.4*	*70-130*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331638
Project No:	04-NDLA-013	**Date Received:**	02/10/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	02/23/16

Special Notes

Viorel Vasile
Operations Manager

124385

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

Client: The Source Group, Inc.	**Project Name / No.:** DFSP - Norwalk / 04-SDLA	**Sampler's Name:** Glenn Andrusko
Project Manager: Neil Irish	**Site Address:** 15306 Norwalk Blvd	**Sampler's Signature:** Glenn Andrusko
Phone: 562-597-1055	**City:** Norwalk	**P.O. No.:**
Fax: 569-597-1070	**State & Zip:** CA 90650	**Quote No.:**

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B								Special Instructions
Influent	6B10017-01	2-10-16	0851	Air	1	✓	✓	✓								
Effluent	-02	"	0848	Air	1	✓	✓	✓								

PRIORITY Rush SH Hrs ✓
Date 2/10 Time 1230 Sign

A5331638 / 6B10017

Relinquished by	Date	Time	Received by
Glenn Andrusko	2-10-16	1000	[signature]
[signature]	2/10/16	1154	[signature]

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

AMERICAN ANALYTICS

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

March 09, 2016

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5331665 / 6C03019

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 03/03/16 12:26 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331665
Date Received: 03/03/16
Date Reported: 03/09/16

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
Influent	6C03019-01	Vapor	5	03/02/16 14:11	03/03/16 12:26
Effluent	6C03019-02	Vapor	5	03/02/16 14:07	03/03/16 12:26
VOCs Gasoline Range Organics Vapor					
Influent	6C03019-01	Vapor	5	03/02/16 14:11	03/03/16 12:26
Effluent	6C03019-02	Vapor	5	03/02/16 14:07	03/03/16 12:26
VOCs GRO Vapor as Hexane					
Influent	6C03019-01	Vapor	5	03/02/16 14:11	03/03/16 12:26
Effluent	6C03019-02	Vapor	5	03/02/16 14:07	03/03/16 12:26

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331665
Project No:	04-NDLA-013	**Date Received:**	03/03/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/09/16
Matrix:	Vapor	**Sampled:**	03/02/16
Dilution:	1	**Prepared:**	03/04/16
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	03/04/16

Influent

6C03019-01 (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	**0.93**	ug/L	0.50	**0.25**	ppmv	0.13
o-Xylene	**0.62**	ug/L	0.50	**0.14**	ppmv	0.12
m,p-Xylenes	<1.0	ug/L	1.0	<0.23	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	98.1 %	70-140
Dibromofluoromethane	92.5 %	70-140
Toluene-d8	98.7 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331665
Project No:	04-NDLA-013	**Date Received:**	03/03/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/09/16
Matrix:	Vapor	**Sampled:**	03/02/16
Dilution:	0.5	**Prepared:**	03/04/16
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	03/04/16

Effluent

6C03019-02 (Vapor)

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

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	115 %	70-140
Dibromofluoromethane	86.0 %	70-140
Toluene-d8	103 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331665
Project No:	04-NDLA-013	**Date Received:**	03/03/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/09/16
Matrix:	Vapor	**Sampled:**	03/02/16
Dilution:	1	**Prepared:**	03/04/16
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	03/04/16

Influent

6C03019-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**220**	ug/L	20	**54**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	88.5 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331665
Project No:	04-NDLA-013	**Date Received:**	03/03/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/09/16
Matrix:	Vapor	**Sampled:**	03/02/16
Dilution:	1	**Prepared:**	03/04/16
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	03/04/16

Effluent

6C03019-02 (Vapor)

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

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	91.4 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331665
Project No:	04-NDLA-013	**Date Received:**	03/03/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/09/16
Matrix:	Vapor	**Sampled:**	03/02/16
Dilution:	1	**Prepared:**	03/04/16
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	03/04/16

Influent

6C03019-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**220**	ug/L	20	**63**	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	88.5 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331665
Project No:	04-NDLA-013	**Date Received:**	03/03/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/09/16
Matrix:	Vapor	**Sampled:**	03/02/16
Dilution:	1	**Prepared:**	03/04/16
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	03/04/16

Effluent

6C03019-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	<20	ug/L	20	<5.7	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	91.4 %	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: A5331665
Date Received: 03/03/16
Date Reported: 03/09/16

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 B6C0411 - *** DEFAULT PREP ****										
Blank (B6C0411-BLK1)				Prepared & Analyzed: 03/04/16						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*57.8*		*ug/L*	*50*		*116*	*70-140*			
Surrogate: Dibromofluoromethane	*37.0*		*ug/L*	*50*		*74.1*	*70-140*			
Surrogate: Toluene-d8	*52.5*		*ug/L*	*50*		*105*	*70-140*			
LCS (B6C0411-BS1)				Prepared & Analyzed: 03/04/16						
Benzene	**17.4**	0.50	ug/L	20		87.2	75-125			
Ethylbenzene	**20.1**	0.50	ug/L	20		101	75-125			
Methyl-tert-Butyl Ether (MTBE)	**32.8**	2.0	ug/L	40		81.9	75-125			
Toluene	**20.0**	0.50	ug/L	20		100	75-125			
o-Xylene	**19.2**	0.50	ug/L	20		96.2	75-125			
m,p-Xylenes	**39.9**	1.0	ug/L	40		99.8	75-125			
Surrogate: 4-Bromofluorobenzene	*49.7*		*ug/L*	*50*		*99.5*	*70-140*			
Surrogate: Dibromofluoromethane	*40.2*		*ug/L*	*50*		*80.5*	*70-140*			
Surrogate: Toluene-d8	*50.6*		*ug/L*	*50*		*101*	*70-140*			
LCS Dup (B6C0411-BSD1)				Prepared & Analyzed: 03/04/16						
Benzene	**18.5**	0.50	ug/L	20		92.6	75-125	6.06	30	
Ethylbenzene	**19.6**	0.50	ug/L	20		98.2	75-125	2.51	30	
Methyl-tert-Butyl Ether (MTBE)	**32.6**	2.0	ug/L	40		81.4	75-125	0.551	30	
Toluene	**19.8**	0.50	ug/L	20		99.0	75-125	1.15	30	
o-Xylene	**18.8**	0.50	ug/L	20		94.0	75-125	2.31	30	
m,p-Xylenes	**38.6**	1.0	ug/L	40		96.4	75-125	3.47	30	
Surrogate: 4-Bromofluorobenzene	*51.4*		*ug/L*	*50*		*103*	*70-140*			
Surrogate: Dibromofluoromethane	*41.8*		*ug/L*	*50*		*83.6*	*70-140*			
Surrogate: Toluene-d8	*50.7*		*ug/L*	*50*		*101*	*70-140*			
Duplicate (B6C0411-DUP1)				**Source: 6C03018-01** Prepared & Analyzed: 03/04/16						

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: A5331665
Date Received: 03/03/16
Date Reported: 03/09/16

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 B6C0411 - *** DEFAULT PREP ****										
Duplicate (B6C0411-DUP1) Continued			**Source: 6C03018-01**	Prepared & Analyzed: 03/04/16						
Benzene	**1.08**	0.50	ug/L		0.830			26.2	30	
Ethylbenzene	**<0.50**	0.50	ug/L						30	
Methyl-tert-Butyl Ether (MTBE)	**<2.0**	2.0	ug/L						30	
Toluene	**1.05**	0.50	ug/L		0.830			23.4	30	
o-Xylene	**<0.50**	0.50	ug/L						30	
m,p-Xylenes	**<1.0**	1.0	ug/L						30	
Surrogate: 4-Bromofluorobenzene	*49.3*		*ug/L*	*50*		*98.6*	*70-140*			
Surrogate: Dibromofluoromethane	*45.0*		*ug/L*	*50*		*90.1*	*70-140*			
Surrogate: Toluene-d8	*50.9*		*ug/L*	*50*		*102*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B6C0417 - *** DEFAULT PREP ****										
Blank (B6C0417-BLK1)				Prepared & Analyzed: 03/04/16						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*45.8*		*ug/L*	*50*		*91.6*	*70-130*			
LCS (B6C0417-BS1)				Prepared & Analyzed: 03/04/16						
Gasoline Range Organics (GRO)	**457**	20	ug/L	500		91.4	75-125			
Surrogate: a,a,a-Trifluorotoluene	*46.2*		*ug/L*	*50*		*92.4*	*70-130*			
LCS Dup (B6C0417-BSD1)				Prepared & Analyzed: 03/04/16						
Gasoline Range Organics (GRO)	**450**	20	ug/L	500		89.9	75-125	1.65	30	
Surrogate: a,a,a-Trifluorotoluene	*48.3*		*ug/L*	*50*		*96.7*	*70-130*			
Duplicate (B6C0417-DUP1)			**Source: 6C03018-01**	Prepared & Analyzed: 03/04/16						
Gasoline Range Organics (GRO)	**299**	20	ug/L		347			14.7	30	
Surrogate: a,a,a-Trifluorotoluene	*47.2*		*ug/L*	*50*		*94.4*	*70-130*			
Gasoline Range Organics in Vapor as Hexane - Quality Control										
*Batch B6C0417 - *** DEFAULT PREP ****										
Blank (B6C0417-BLK1)				Prepared & Analyzed: 03/04/16						
GRO as Hexane	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*45.8*		*ug/L*	*50*		*91.6*	*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: A5331665
Date Received: 03/03/16
Date Reported: 03/09/16

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 B6C0417 - *** DEFAULT PREP ****										
LCS (B6C0417-BS1)				Prepared & Analyzed: 03/04/16						
GRO as Hexane	**457**	20	ug/L	500		91.4	75-125			
Surrogate: a,a,a-Trifluorotoluene	*46.2*		*ug/L*	*50*		*92.4*	*70-130*			
LCS Dup (B6C0417-BSD1)				Prepared & Analyzed: 03/04/16						
GRO as Hexane	**450**	20	ug/L	500		89.9	75-125	1.65	30	
Surrogate: a,a,a-Trifluorotoluene	*48.3*		*ug/L*	*50*		*96.7*	*70-130*			
Duplicate (B6C0417-DUP1)			**Source: 6C03018-01**	Prepared & Analyzed: 03/04/16						
GRO as Hexane	**299**	20	ug/L		347			14.7	30	
Surrogate: a,a,a-Trifluorotoluene	*47.2*		*ug/L*	*50*		*94.4*	*70-130*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331665
Project No:	04-NDLA-013	**Date Received:**	03/03/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	03/09/16

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

124559

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

Client: The Source Group, Inc.	**Project Name / No.:** DFSP - Norwalk / 04-SDLA	**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	6603019-01	3-2-16	1411	Air	1	✓	✓	✓								
Effluent	02	3-2-16	1407	Air	1	✓	✓	✓								

PRIORITY
Rush 72 Hrs SH
Date 3/3/16 Time 5:45pm Sign

A5331665 / 6603019

Relinquished by	Date	Time	Received by
Glenn Androsko	3-3-16	1010	
Relinquished by	Date	Time	Received by
	3/3/16	1226	
Relinquished by	Date	Time	Received by

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

AMERICAN ANALYTICS

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

March 28, 2016

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5331676 / 6C14022

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 03/14/16 15:03 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: A5331676
Date Received: 03/14/16
Date Reported: 03/28/16

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B TPHGASOLINEBTEXOXY					
Surge Tank	6C14022-01	Water	5	03/14/16 08:48	03/14/16 15:03
After GAC-1	6C14022-02	Water	5	03/14/16 08:42	03/14/16 15:03
After GAC-2	6C14022-03	Water	5	03/14/16 08:38	03/14/16 15:03
Arsenic Total EPA 200.7					
Surge Tank	6C14022-01	Water	5	03/14/16 08:48	03/14/16 15:03
After Zolite Bed	6C14022-04	Water	5	03/14/16 08:32	03/14/16 15:03
After Alumina Bed	6C14022-05	Water	5	03/14/16 08:31	03/14/16 15:03
Diesel Range Organics 8015M					
Surge Tank	6C14022-01	Water	5	03/14/16 08:48	03/14/16 15:03
After GAC-1	6C14022-02	Water	5	03/14/16 08:42	03/14/16 15:03
After GAC-2	6C14022-03	Water	5	03/14/16 08:38	03/14/16 15:03

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: A5331676
Date Received: 03/14/16
Date Reported: 03/28/16
Units: ug/L

Date Sampled:	03/14/16	03/14/16	03/14/16		
Date Prepared:	03/14/16	03/14/16	03/14/16		
Date Analyzed:	03/14/16	03/14/16	03/14/16		
AA ID No:	6C14022-01	6C14022-02	6C14022-03		
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	**0.91**	<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)	**1100**	<40	<40	40	100
Methyl-tert-Butyl Ether (MTBE)	<0.40	<0.40	**0.59 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	**1.6**	<0.40	<0.40	0.40	1.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	89%	93%	94%		70-140
Dibromofluoromethane	105%	97%	97%		70-140
Toluene-d8	94%	98%	97%		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: A5331676
Date Received: 03/14/16
Date Reported: 03/28/16
Units: ug/L

Date Sampled:	03/14/16	03/14/16	03/14/16		
Date Prepared:	03/17/16	03/17/16	03/17/16		
Date Analyzed:	03/17/16	03/17/16	03/17/16		
AA ID No:	6C14022-01	6C14022-02	6C14022-03		
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	**270**	<60	<60	60	100
Surrogates				**%REC Limits**	
o-Terphenyl	108%	83%	90%	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: A5331676
Date Received: 03/14/16
Date Reported: 03/28/16

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
Arsenic Total EPA 200.7 (EPA 200.7)									
6C14022-01	Surge Tank	03/14/16	03/15/16	03/17/16	1	**0.041**	mg/L	0.006	0.007
6C14022-04	After Zolite Bed	03/14/16	03/15/16	03/17/16	1	**0.024**	mg/L	0.006	0.007
6C14022-05	After Alumina Bed	03/14/16	03/15/16	03/17/16	1	**0.028**	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: A5331676
Date Received: 03/14/16
Date Reported: 03/28/16

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 B6C1435 - EPA 5030B										
Blank (B6C1435-BLK1)				Prepared & Analyzed: 03/14/16						
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	*45.6*		*ug/L*	*50*		*91.1*	*70-140*			
Surrogate: Dibromofluoromethane	*51.2*		*ug/L*	*50*		*102*	*70-140*			
Surrogate: Toluene-d8	*48.2*		*ug/L*	*50*		*96.4*	*70-140*			
LCS (B6C1435-BS1)				Prepared & Analyzed: 03/14/16						
tert-Amyl Methyl Ether (TAME)	**21.7**	0.30	ug/L	20		108	70-130			
Benzene	**20.7**	0.20	ug/L	20		103	75-125			
tert-Butyl alcohol (TBA)	**112**	7.0	ug/L	100		112	70-130			
Diisopropyl ether (DIPE)	**18.2**	0.50	ug/L	20		90.9	70-130			
Ethylbenzene	**19.0**	0.20	ug/L	20		95.2	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**19.6**	0.40	ug/L	20		97.8	70-130			
Gasoline Range Organics (GRO)	**407**	40	ug/L	500		81.4	70-130			
Methyl-tert-Butyl Ether (MTBE)	**34.7**	0.40	ug/L	40		86.7	70-135			
Toluene	**18.7**	0.30	ug/L	20		93.7	75-125			
o-Xylene	**18.8**	0.30	ug/L	20		93.8	75-125			
m,p-Xylenes	**38.3**	0.40	ug/L	40		95.6	70-130			
Surrogate: 4-Bromofluorobenzene	*46.2*		*ug/L*	*50*		*92.4*	*70-140*			
Surrogate: Dibromofluoromethane	*50.0*		*ug/L*	*50*		*99.9*	*70-140*			
Surrogate: Toluene-d8	*47.7*		*ug/L*	*50*		*95.3*	*70-140*			
Matrix Spike (B6C1435-MS1)				**Source: 6C14012-04** Prepared & Analyzed: 03/14/16						

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: A5331676
Date Received: 03/14/16
Date Reported: 03/28/16

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 B6C1435 - EPA 5030B										
Matrix Spike (B6C1435-MS1) Continued Source: 6C14012-04 Prepared & Analyzed: 03/14/16										
tert-Amyl Methyl Ether (TAME)	**22.8**	0.30	ug/L	20		114	70-130			
Benzene	**20.7**	0.20	ug/L	20	0.520	101	70-130			
tert-Butyl alcohol (TBA)	**223**	7.0	ug/L	100		223	70-130			QM-07
Diisopropyl ether (DIPE)	**18.6**	0.50	ug/L	20		93.0	70-130			
Ethylbenzene	**19.0**	0.20	ug/L	20		95.0	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**20.0**	0.40	ug/L	20		100	70-130			
Gasoline Range Organics (GRO)	**470**	40	ug/L	500		94.0	70-130			
Methyl-tert-Butyl Ether (MTBE)	**39.6**	0.40	ug/L	40	3.68	89.8	70-130			
Toluene	**19.1**	0.30	ug/L	20		95.5	70-130			
o-Xylene	**19.1**	0.30	ug/L	20		95.6	70-130			
m,p-Xylenes	**38.4**	0.40	ug/L	40		95.9	70-130			
Surrogate: 4-Bromofluorobenzene	*46.3*		*ug/L*	*50*		*92.6*	*70-140*			
Surrogate: Dibromofluoromethane	*50.1*		*ug/L*	*50*		*100*	*70-140*			
Surrogate: Toluene-d8	*47.5*		*ug/L*	*50*		*95.0*	*70-140*			
Matrix Spike Dup (B6C1435-MSD1) **Source: 6C14012-04** Prepared & Analyzed: 03/14/16										
tert-Amyl Methyl Ether (TAME)	**23.8**	0.30	ug/L	20		119	70-130	4.34	30	
Benzene	**21.4**	0.20	ug/L	20	0.520	105	70-130	3.37	30	
tert-Butyl alcohol (TBA)	**217**	7.0	ug/L	100		217	70-130	2.73	30	QM-07
Diisopropyl ether (DIPE)	**19.8**	0.50	ug/L	20		99.0	70-130	6.20	30	
Ethylbenzene	**19.0**	0.20	ug/L	20		95.2	70-130	0.263	30	
Ethyl-tert-Butyl Ether (ETBE)	**21.2**	0.40	ug/L	20		106	70-130	5.34	30	
Gasoline Range Organics (GRO)	**430**	40	ug/L	500		86.0	70-130	8.89	30	
Methyl-tert-Butyl Ether (MTBE)	**41.2**	0.40	ug/L	40	3.68	93.8	70-130	4.04	30	
Toluene	**18.9**	0.30	ug/L	20		94.6	70-130	0.894	30	
o-Xylene	**18.7**	0.30	ug/L	20		93.5	70-130	2.22	30	
m,p-Xylenes	**37.5**	0.40	ug/L	40		93.8	70-130	2.13	30	
Surrogate: 4-Bromofluorobenzene	*46.5*		*ug/L*	*50*		*93.1*	*70-140*			
Surrogate: Dibromofluoromethane	*53.1*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Toluene-d8	*47.7*		*ug/L*	*50*		*95.3*	*70-140*			
Diesel Range Organics by GC/FID - Quality Control										

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331676
Date Received: 03/14/16
Date Reported: 03/28/16

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 B6C1723 - EPA 3510C										
Blank (B6C1723-BLK1)				Prepared & Analyzed: 03/17/16						
Diesel Range Organics as Diesel	<60	60	ug/L							
Surrogate: o-Terphenyl	*46.6*		*ug/L*	*40*		*117*	*50-150*			
LCS (B6C1723-BS1)				Prepared & Analyzed: 03/17/16						
Diesel Range Organics as Diesel	**847**	60	ug/L	800		106	75-125		30	
Surrogate: o-Terphenyl	*51.3*		*ug/L*	*40*		*128*	*50-150*			
LCS Dup (B6C1723-BSD1)				Prepared & Analyzed: 03/17/16						
Diesel Range Organics as Diesel	**888**	60	ug/L	800		111	75-125	4.81	30	
Surrogate: o-Terphenyl	*47.9*		*ug/L*	*40*		*120*	*50-150*			
Total Metals by ICP Atomic Emission Spectroscopy - Quality Control										
Batch B6C1530 - EPA 200.7										
Blank (B6C1530-BLK1)				Prepared: 03/15/16 Analyzed: 03/17/16						
Arsenic	<0.0060	0.0060	mg/L							
LCS (B6C1530-BS1)				Prepared: 03/15/16 Analyzed: 03/17/16						
Arsenic	**0.206**	0.0060	mg/L	0.20		103	80-120		20	
LCS Dup (B6C1530-BSD1)				Prepared: 03/15/16 Analyzed: 03/17/16						
Arsenic	**0.213**	0.0060	mg/L	0.20		107	80-120	3.72	20	
Duplicate (B6C1530-DUP1)			**Source: 6C14022-01**	Prepared: 03/15/16 Analyzed: 03/17/16						
Arsenic	**0.0330**	0.0060	mg/L		0.0410			21.6	30	
Matrix Spike (B6C1530-MS1)			**Source: 6C14022-05**	Prepared: 03/15/16 Analyzed: 03/17/16						
Arsenic	**0.243**	0.0060	mg/L	0.20	0.0280	108	75-125		20	
Matrix Spike Dup (B6C1530-MSD1)			**Source: 6C14022-05**	Prepared: 03/15/16 Analyzed: 03/17/16						
Arsenic	**0.249**	0.0060	mg/L	0.20	0.0280	110	75-125	2.44	20	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331676
Project No:	04-NDLA-013	**Date Received:**	03/14/16
Project Name:	DFSP Norwalk GWETS NPDES Monthly	**Date Reported:**	03/28/16

Special Notes

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

[1] = **QM-07** : The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

124638

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

Client:	The Source Group, Inc.	**Project Name / No.:**	DFSP - Norwalk / 04-SDLA	**Sampler's Name:**	Glenn Androsko
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.	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	6C14022-01	3-14-16	0848	Water	5	✓	✓	✓	
After GAC-1	-02		0842	Water	4	✓	✓		
After GAC-2	-03		0838	Water	4	✓	✓		
After Zolite Bed	-04		0832	Water	1			✓	
After Alumina Bed	-05	↓	0831	Water	1			✓	

REVIEWED Date 3/14/16 Time 1520 TAT N Days Sign:

15

A5331676 / 6C14022

Relinquished by	Date	Time	Received by
Glenn Androsko	3-14-16	1100	
Relinquished by	Date	Time	Received by
	3/14/16	1503	
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.

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 - FIRST QUARTER 2016**
Report Type:	**Remedial Progress Report**
Report Date:	**4/22/2016**
Facility Global ID:	**SLT43185183**
Facility Name:	**Norwalk, Fuel Terminal DFSP - DOD - NORWALK DFSP**
File Name:	**DFSP Norwalk Remediation Status Report_Q1-16.pdf**
Organization Name:	**The Source Group, Inc.**
Username:	**SIGNAL HILL**
IP Address:	**66.214.148.134**
Submittal Date/Time:	**4/22/2016 10:21:42 AM**
Confirmation Number:	**6302259981**