

REMEDIATION STATUS REPORT - SECOND QUARTER 2015
DEFENSE FUEL SUPPORT POINT NORWALK
15306 Norwalk Boulevard
Norwalk, California

04-NDLA-001

Prepared For:

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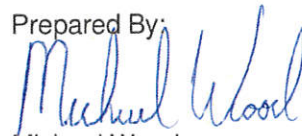
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LIST OF ACRONYMS

DLA Energy	Defense Logistics Agency - Energy
SGI	The Source Group, Inc.
DFSP	Defense Fuel Support Point
LARWQCB	California Regional Water Quality Control Board, Los Angeles Region
JP-5	Jet Propellant Number 5
BTEX	Benzene, Toluene, Ethylbenzene, and Total Xylenes
MTBE	Methyl tertiary-Butyl Ether
TBA	Tertiary-Butyl alcohol
SFPP	Santa Fe Pacific Pipelines Partners, L.P.
SVE	Soil Vapor Extraction
GWE	Groundwater Extraction
LNAPL	Light Non-Aqueous Phase Liquid
VES	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
PID	Photoionization Detector

1.0 INTRODUCTION

On behalf of our client, Defense Logistics Agency - Energy (DLA Energy), The Source Group, Inc. (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, to prevent off-site migration, to contain contaminant mass, and ultimately, to 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. Starting during the current reporting period, the aboveground treatment of contaminated vadose zone soils excavated at the Site has also been conducted. 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: AST 80001 area (VEW-23), AST 80006 and 80007 areas (VEW-20, VEW-21, VEW-22, HW-1, and HW-3), AST 80008 area (VEW-24, VEW-25, VEW-26, VEW-27, HW-5, and HW-7), 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), water tank area (VEW-31), and 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 with a pair of tertiary vessels, each 2,000 pounds. 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 two ion exchange vessels (for arsenic treatment) in series prior to being discharged to 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 8h.

1.2.5 Aboveground Soil Treatment

Per SGI's *Remediation Status Report – First Quarter 2015*, dated May 1, 2015, the excavation of contaminated vadose zone soils at the Site began during the prior 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 25 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

During this reporting period, 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.

During this reporting period, 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 off-line periods in mid and late May 2015 to conduct system maintenance activities.

Performance and compliance soil vapor samples from the VES were collected during the reporting period on April 27, May 29, and June 3, 2015. 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 April 13 and 27, 2015 pending the completion of groundwater monitoring and sampling activities. Performance and compliance water samples from the GWETS were

collected during the reporting period on April 2 and 27, May 11 and 29, and June 3, 2015. 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 will be provided under separate cover in the NPDES discharge monitoring report for the reporting period. 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 8h.

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 from April 24, 2015 through the end of the 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 SGI's Quarter 2, 2015 *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 this reporting period, the VES extracted soil vapors from the four horizontal wells that span through the entire former tank farm area (HW-1, HW-3, HW-5, and HW-7), three vertical wells in the northeastern area (VEW-32, VEW-33, and VEW-34), and ex-situ biopiles from vadose zone soil excavation and treatment activities.

The total mass of VOCs removed via SVE during this reporting period was approximately 801 pounds and approximately 2,935,486 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 this 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 during this reporting period was approximately 528,279 gallons and approximately 72,709,421 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 1.1 pounds (Table 2c) during the second quarter 2015 and approximately 9,936 pounds since April 1996 (Table 2c).

3.3 LNAPL Removal

During this reporting period, DTW and DTP was measured in GMW-62 located off site in Holifield Park and GMW-4, GMW-21, MW-15, PZ-3, TF-18, TF-19 and GMW-7. LNAPL was removed during the reporting period via manual bailing, active pumping using a product skimming system and by utilizing absorbent socks installed in select wells. Approximately 74.5 gallons (510 pounds) of LNAPL was recovered from the Site during the reporting period (Tables 8a through 8h).

In addition, on June 30, 2015, a workplan for pilot testing LNAPL remedial technologies was also submitted as part of the northeastern LNAPL plume investigation. The findings and recommendations from that pending pilot test will also result in LNAPL mitigation activities applicable to the rest of the Site.

3.4 Aboveground Soil Treatment

A total of 14 biopiles were brought online during the current reporting period with eight of these piles being taken off-line by the end of the reporting period 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, during the second quarter 2015, influent vapor-phase VOC concentrations from the horizontal and vertical wells remained relatively stable with wells VEW-35 through VEW-37 holding at low/asymptotic levels. Ex-situ soil biopile VOC concentrations were also generally low although temporary and moderate concentration increases mostly occurred during the first few weeks a given biopile was brought online. As indicated on Tables 3a through 3c, individual well and biopile vapor concentrations were measured with a photoionization detector (PID) 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 THIRD QUARTER 2015 ACTIVITIES

During the third quarter 2015, 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. The following OM&M activities are planned to be performed during the third quarter 2015:

- Continue weekly maintenance and monitoring of the VES and GWETS;
- Measure individual well vapor concentrations with a PID;
- Collect individual well vapor samples for laboratory analysis;
- Continue regular LNAPL gauging and product removal activities;
- Review LNAPL gauging and removal data to optimize removal methods;
- Collect and analyze system influent and effluent vapor and groundwater samples;
- Evaluate GWE flow rate and potential options of increasing the flow rate to help maintain contaminant containment as described in Parsons' *Groundwater Capture Report*, dated June 17, 2010;
- Evaluate potential re-use of GWETS discharge water on site;
- Continue on-site soil excavation, treatment cell construction and ex-situ biopile remediation;
- Begin 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.

The remediation activities and progress for the third quarter 2015 will be described in the *Third Quarter 2015 Remediation Progress Report* to be submitted by November 15, 2015.

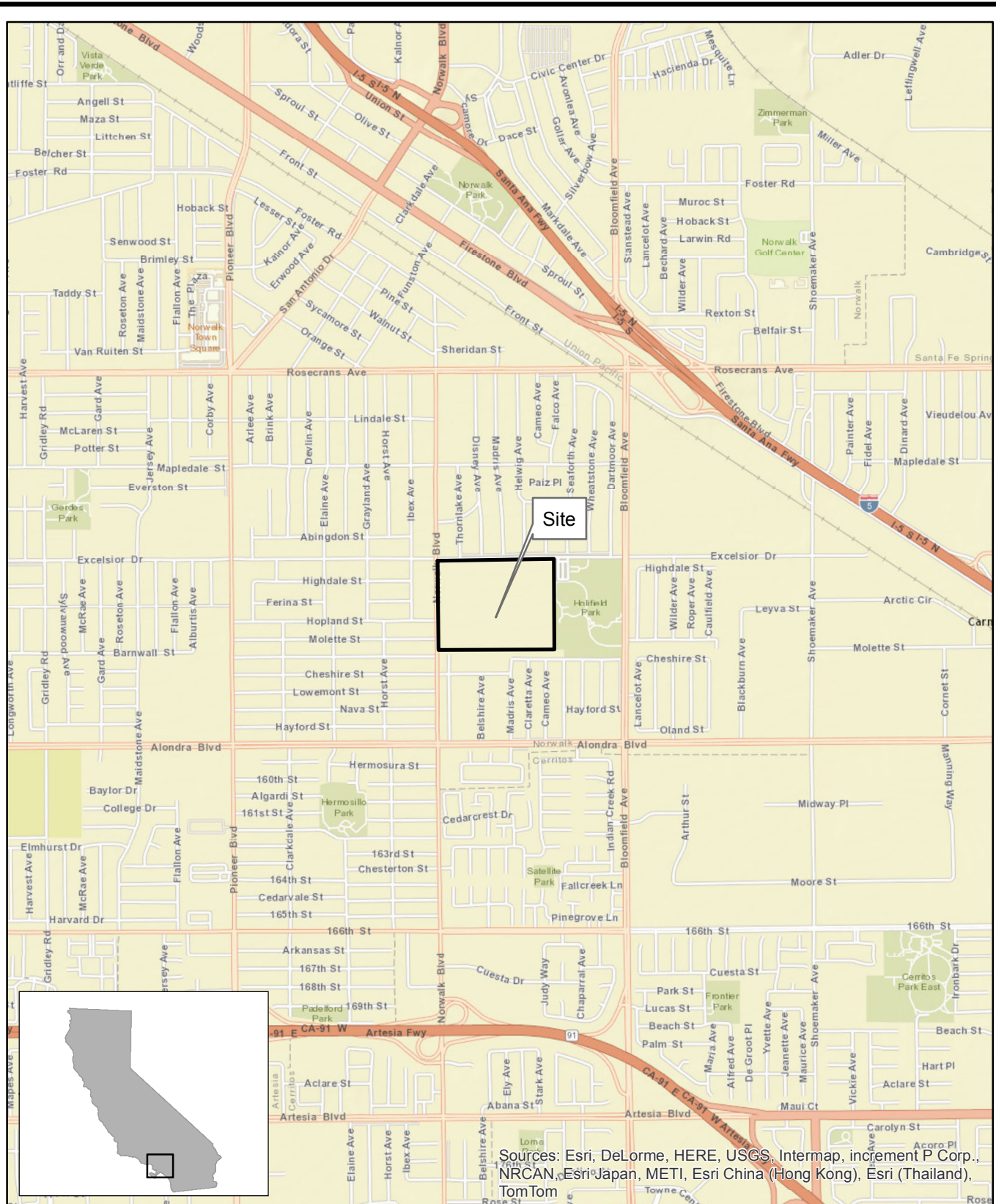
6.0 LIMITATIONS

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. SGI and DLA Energy must approve any re-use of this work product in whole or in part for a different purpose or by others in writing. If any such unauthorized use occurs, it shall be at the user's sole risk without liability to SGI or DLA Energy.

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

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

FIGURES



Sources: Esri, DeLorme, HERE, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom

SOURCE:
ESRI 7.5 MINUTE TOPOGRAPHIC MAP.
<http://resources.esri.com/arcgisonline/services>

PROJECT NO.:	DATE:	DR. BY:	APP. BY:
04-NDLA-003	5/28/2014	JK	PP

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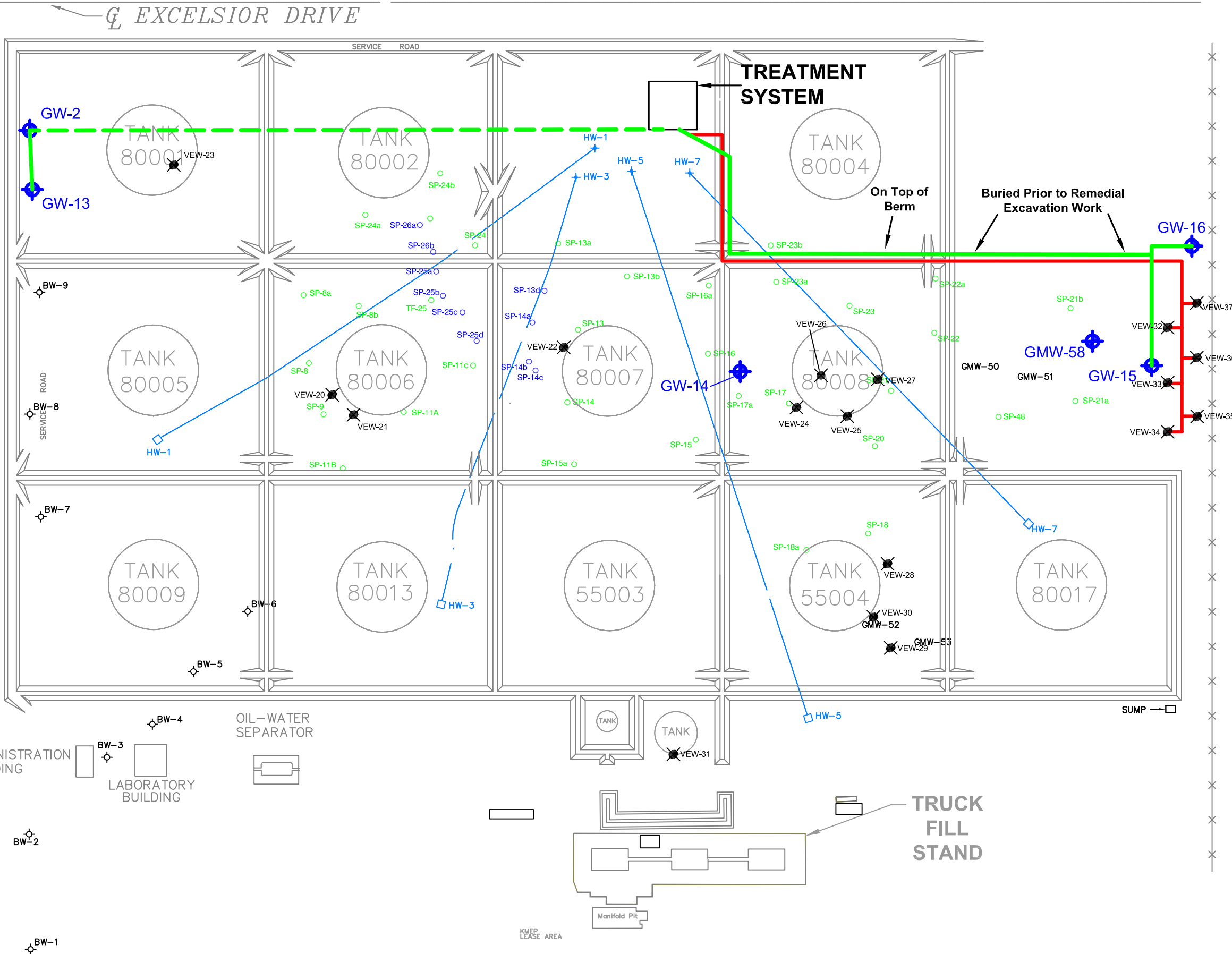
FIGURE
1

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

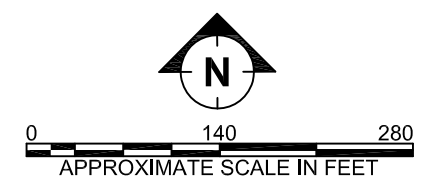
**DEFENSE FUEL SUPPORT POINT
NORWALK**
15306 NORWALK BOULEVARD
NORWALK, CALIFORNIA

SITE LOCATION MAP

GIS_MAPPING (\\SUPER_COMPY) (O:)\\DLA-Norwalk\CAD\Remediation System Layout (2007 ver) updated_08052015.dwg



- 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



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.

1962 FREEMAN AVENUE
SIGNAL HILL, CA 90755

FIGURE
2

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	73.94	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	

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 Summary of Operations - April
 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 the North-East Area (gallons)	Groundwater Extracted from the North-West Area (gallons)	NPDES Discharge Totalizer Reading (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed ^A (lb)
04/01/15	*		3,911,852	2,621,505	1,092,334	6,659,979	7,752,313	6,533,357	72,186,723	--	9,935
04/02/15	Technician	1,2	3,914,597	2,623,454	1,093,678	6,662,580	7,756,258	6,538,051	72,192,615	--	9,935
04/03/15	*		3,914,597	2,623,454	1,093,678	6,662,580	7,756,258	6,538,051	72,197,266	--	9,935
04/04/15	*		3,914,597	2,623,454	1,093,678	6,662,580	7,756,258	6,538,051	72,201,918	--	9,935
04/05/15	*		3,914,597	2,623,454	1,093,678	6,662,580	7,756,258	6,538,051	72,206,569	--	9,935
04/06/15	Technician	3	3,914,597	2,623,454	1,093,678	6,662,580	7,756,258	6,538,051	72,211,802	--	9,935
04/07/15	*		3,923,885	2,629,067	1,093,850	6,662,856	7,756,706	6,552,952	72,215,107	--	9,935
04/08/15	*		3,933,173	2,634,680	1,094,022	6,663,133	7,757,154	6,567,853	72,218,413	--	9,935
04/09/15	Technician	4	3,942,396	2,640,255	1,094,193	6,663,407	7,757,600	6,582,651	72,221,695	--	9,935
04/10/15	*		3,945,528	2,642,142	1,096,139	6,666,161	7,762,301	6,587,671	72,229,034	--	9,935
04/11/15	*		3,948,661	2,644,030	1,098,086	6,668,916	7,767,002	6,592,691	72,236,372	--	9,935
04/12/15	*		3,951,793	2,645,918	1,100,033	6,671,670	7,771,703	6,597,711	72,243,711	--	9,935
04/13/15	Technician	5	3,954,882	2,647,779	1,101,953	6,674,386	7,776,339	6,602,661	72,250,948	--	9,935
04/14/15	Off line		3,954,882	2,647,779	1,101,953	6,674,386	7,776,339	6,602,661	72,250,948	--	9,935
04/15/15	Off line		3,954,882	2,647,779	1,101,953	6,674,386	7,776,339	6,602,661	72,250,948	--	9,935
04/16/15	Off line		3,954,882	2,647,779	1,101,953	6,674,386	7,776,339	6,602,661	72,250,948	--	9,935
04/17/15	Off line		3,954,882	2,647,779	1,101,953	6,674,386	7,776,339	6,602,661	72,250,948	--	9,935
04/18/15	Off line		3,954,882	2,647,779	1,101,953	6,674,386	7,776,339	6,602,661	72,250,948	--	9,935
04/19/15	Off line		3,954,882	2,647,779	1,101,953	6,674,386	7,776,339	6,602,661	72,250,948	--	9,935
04/20/15	Off line		3,954,882	2,647,779	1,101,953	6,674,386	7,776,339	6,602,661	72,250,948	--	9,935
04/21/15	Off line		3,954,882	2,647,779	1,101,953	6,674,386	7,776,339	6,602,661	72,250,948	--	9,935
04/22/15	Off line		3,954,882	2,647,779	1,101,953	6,674,386	7,776,339	6,602,661	72,250,948	--	9,935
04/23/15	Off line		3,954,882	2,647,779	1,101,953	6,674,386	7,776,339	6,602,661	72,250,948	--	9,935
04/24/15	Off line		3,954,882	2,647,779	1,101,953	6,674,386	7,776,339	6,602,661	72,250,948	--	9,935
04/25/15	Off line		3,954,882	2,647,779	1,101,953	6,674,386	7,776,339	6,602,661	72,250,948	--	9,935
04/26/15	Off line		3,954,882	2,647,779	1,101,953	6,674,386	7,776,339	6,602,661	72,250,948	--	9,935
04/27/15	Technician	6,7	3,954,882	2,647,779	1,101,953	6,674,386	7,776,339	6,602,661	72,250,948	--	9,935
04/28/15	*		3,959,199	2,650,211	1,104,525	6,677,816	7,782,342	6,609,410	72,260,938	--	9,935
04/29/15	Technician		3,963,876	2,652,845	1,107,312	6,681,533	7,788,845	6,616,721	72,271,760	--	9,935
04/30/15	*		3,967,627	2,655,012	1,109,847	6,684,486	7,794,333	6,622,639	72,281,374	--	9,935

Cumulative Groundwater Discharged by the GWETS to Date (gallons)							
Period	April	Quarter 1, 2015	Quarter 2, 2015	Quarter 3, 2015	Quarter 4, 2015	2015 to Date	April 1996 to Date
Volume	100,232	342,827	100,232	--	--	443,059	72,281,374

Cumulative Mass DRO Removed by the GWETS ^A (lb)			
Period	April	Quarter 2 to Date	April 1996 to Date
Mass	0.5	0.5	9,935.4

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

Legend / Notes:

- 1 = Collected individual pumping well water samples for laboratory analysis.
- 2 = GW-15 and GW-16 manually shut down for maintenance.
- 3 = GW-16 restarted.
- 4 = GW-15 restarted.
- 5 = GWETS manually shut down in advance of groundwater monitoring and sampling event.
- 6 = Restarted GWETS following completion of groundwater monitoring and sampling activities.
- 7 = Collected monthly effluent water samples for laboratory analysis.

GWETS = Groundwater extraction and treatment system lb = Pounds

µg/L - Micrograms per liter

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: 03/27/15.

-- = Not applicable

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

TABLE 2b
Groundwater Extraction and Treatment System Summary of Operations - May
 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 the North-East Area (gallons)	Groundwater Extracted from the North-West Area (gallons)	NPDES Discharge Totalizer Reading (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed ^A (lb)
05/01/15	Technician		3,971,066	2,656,998	1,112,170	6,687,194	7,799,364	6,628,064	72,290,187	--	9,935
05/02/15	*		3,973,862	2,658,606	1,113,037	6,688,764	7,801,801	6,632,468	72,296,227	--	9,935
05/03/15	*		3,976,658	2,660,215	1,113,904	6,690,334	7,804,238	6,636,873	72,302,267	--	9,935
05/04/15	Technician		3,979,803	2,662,025	1,114,880	6,692,100	7,806,980	6,641,828	72,309,062	--	9,936
05/05/15	*		3,981,846	2,663,178	1,116,236	6,694,755	7,810,992	6,645,024	72,312,952	--	9,936
05/06/15	Technician	1	3,983,889	2,664,332	1,117,593	6,697,411	7,815,003	6,648,221	72,316,842	--	9,936
05/07/15	Off line		3,984,456	2,664,653	1,117,698	6,697,821	7,815,519	6,649,108	72,318,008	--	9,936
05/08/15	Technician	2	3,984,875	2,664,890	1,117,775	6,698,125	7,815,900	6,649,765	72,318,870	--	9,936
05/09/15	*		3,988,943	2,667,349	1,119,681	6,701,440	7,821,120	6,656,291	72,328,003	--	9,936
05/10/15	*		3,993,010	2,669,807	1,121,586	6,704,754	7,826,340	6,662,817	72,337,136	--	9,936
05/11/15	Technician	3,4	3,997,459	2,672,496	1,123,670	6,708,380	7,832,050	6,669,955	72,347,125	ND <60	9,936
05/12/15	*		4,001,629	2,675,145	1,125,421	6,711,743	7,837,164	6,676,774	72,356,189	--	9,936
05/13/15	*		4,005,799	2,677,793	1,127,172	6,715,106	7,842,278	6,683,593	72,365,254	--	9,936
05/14/15	*		4,009,970	2,680,442	1,128,923	6,718,469	7,847,392	6,690,411	72,374,318	--	9,936
05/15/15	*		4,014,140	2,683,090	1,130,674	6,721,832	7,852,506	6,697,230	72,383,382	--	9,936
05/16/15	*		4,018,310	2,685,739	1,132,425	6,725,195	7,857,621	6,704,049	72,392,447	--	9,936
05/17/15	*		4,022,480	2,688,387	1,134,176	6,728,558	7,862,735	6,710,868	72,401,511	--	9,936
05/18/15	Technician		4,026,940	2,691,220	1,136,049	6,732,155	7,868,204	6,718,160	72,411,205	--	9,936
05/19/15	*		4,029,145	2,692,622	1,137,150	6,734,004	7,871,154	6,721,767	72,416,235	--	9,936
05/20/15	*		4,031,350	2,694,024	1,138,250	6,735,853	7,874,104	6,725,374	72,421,265	--	9,936
05/21/15	*		4,033,555	2,695,426	1,139,351	6,737,702	7,877,053	6,728,981	72,426,295	--	9,936
05/22/15	Technician		4,035,791	2,696,847	1,140,467	6,739,577	7,880,044	6,732,638	72,431,395	--	9,936
05/23/15	*		4,039,872	2,699,404	1,142,406	6,742,957	7,885,363	6,739,276	72,440,203	--	9,936
05/24/15	*		4,043,953	2,701,962	1,144,345	6,746,337	7,890,682	6,745,915	72,449,010	--	9,936
05/25/15	*		4,048,034	2,704,519	1,146,284	6,749,717	7,896,001	6,752,553	72,457,818	--	9,936
05/26/15	Technician		4,051,605	2,706,757	1,147,980	6,752,675	7,900,655	6,758,361	72,465,525	--	9,936
05/27/15	*		4,053,129	2,707,712	1,148,715	6,753,954	7,902,669	6,760,841	72,469,449	--	9,936
05/28/15	*		4,054,654	2,708,667	1,149,450	6,755,234	7,904,684	6,763,321	72,473,372	--	9,936
05/29/15	Technician	5	4,056,179	2,709,623	1,150,185	6,756,513	7,906,698	6,765,801	72,477,296	--	9,936
05/30/15	*		4,060,133	2,712,087	1,151,772	6,759,889	7,911,662	6,772,219	72,485,303	--	9,936
05/31/15	*		4,064,087	2,714,551	1,153,360	6,763,265	7,916,625	6,778,637	72,493,311	--	9,936

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	May	Quarter 1, 2015	Quarter 2, 2015	Quarter 3, 2015	Quarter 4, 2015	2015 to Date	April 1996 to Date
Volume	211,937	342,827	312,169	--	--	654,996	72,493,311

Cumulative Mass DRO Removed by the GWETS ^A (lb)			
Period	May	Quarter 2 to Date	April 1996 to Date
Mass	0.3	0.8	9,935.7

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

Legend / Notes:

- 1 = GWETS manually shut down for maintenance.
- 2 = GWETS restarted.
- 3 = Collected monthly influent and intermediate water samples for laboratory analysis.
- 4 = Collected quarterly effluent water samples for laboratory analysis.
- 5 = Collected monthly effluent water samples for laboratory analysis.

GWETS = Groundwater extraction and treatment system lb = Pounds

µg/L = Micrograms per liter 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: 05/11/15 (laboratory report attached).

-- = Not applicable

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

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

TABLE 2c
Groundwater Extraction and Treatment System Summary of Operations - June
 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 the North-East Area (gallons)	Groundwater Extracted from the North-West Area (gallons)	NPDES Discharge Totalizer Reading (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed ^A (lb)
06/01/15	Technician		4,068,123	2,717,066	1,154,980	6,766,712	7,921,692	6,785,189	72,501,485	--	9,936
06/02/15	*		4,071,159	2,720,032	1,156,698	6,770,389	7,927,087	6,791,191	72,510,251	--	9,936
06/03/15	Technician	1	4,074,259	2,723,060	1,158,451	6,774,143	7,932,594	6,797,319	72,519,200	150	9,936
06/04/15	Technician	2	4,075,597	2,726,284	1,160,346	6,778,016	7,938,362	6,801,881	72,528,290	--	9,936
06/05/15	*		4,075,597	2,730,790	1,162,117	6,781,476	7,943,594	6,806,386	72,535,384	--	9,936
06/06/15	*		4,075,597	2,735,296	1,163,889	6,784,937	7,948,826	6,810,892	72,542,478	--	9,936
06/07/15	*		4,075,597	2,739,802	1,165,661	6,788,397	7,954,058	6,815,398	72,549,572	--	9,936
06/08/15	Technician		4,075,597	2,745,059	1,167,729	6,792,434	7,960,163	6,820,655	72,557,848	--	9,936
06/09/15	*		4,075,597	2,749,589	1,169,373	6,795,799	7,965,171	6,825,186	72,564,429	--	9,936
06/10/15	*		4,075,597	2,754,120	1,171,017	6,799,163	7,970,180	6,829,717	72,571,009	--	9,936
06/11/15	*		4,075,597	2,758,651	1,172,661	6,802,528	7,975,189	6,834,248	72,577,590	--	9,936
06/12/15	Technician		4,075,597	2,763,182	1,174,305	6,805,893	7,980,198	6,838,779	72,584,170	--	9,936
06/13/15	*		4,075,597	2,767,939	1,176,017	6,809,457	7,985,473	6,843,536	72,591,195	--	9,936
06/14/15	*		4,075,597	2,772,696	1,177,728	6,813,021	7,990,749	6,848,293	72,598,220	--	9,936
06/15/15	*		4,075,597	2,777,454	1,179,440	6,816,585	7,996,025	6,853,050	72,605,245	--	9,936
06/16/15	Technician	3	4,075,597	2,781,517	1,180,902	6,819,629	8,000,531	6,857,114	72,611,245	--	9,936
06/17/15	*		4,076,127	2,783,662	1,182,482	6,821,946	8,004,428	6,859,789	72,617,407	--	9,936
06/18/15	*		4,076,657	2,785,807	1,184,062	6,824,262	8,008,324	6,862,464	72,623,569	--	9,936
06/19/15	*		4,077,187	2,787,952	1,185,642	6,826,579	8,012,221	6,865,139	72,629,731	--	9,936
06/20/15	*		4,077,717	2,790,097	1,187,222	6,828,896	8,016,117	6,867,814	72,635,893	--	9,936
06/21/15	*		4,078,247	2,792,242	1,188,802	6,831,212	8,020,014	6,870,489	72,642,055	--	9,936
06/22/15	*		4,078,777	2,794,386	1,190,382	6,833,529	8,023,911	6,873,164	72,648,217	--	9,936
06/23/15	*		4,079,308	2,796,531	1,191,962	6,835,846	8,027,807	6,875,839	72,654,379	--	9,936
06/24/15	Technician	4	4,079,915	2,798,989	1,193,772	6,838,500	8,032,272	6,878,904	72,661,440	--	9,936
06/25/15	*		4,079,926	2,801,835	1,196,387	6,841,524	8,037,911	6,881,761	72,669,989	--	9,936
06/26/15	*		4,079,938	2,804,681	1,199,001	6,844,548	8,043,550	6,884,619	72,678,539	--	9,936
06/27/15	*		4,079,949	2,807,527	1,201,616	6,847,573	8,049,189	6,887,476	72,687,088	--	9,936
06/28/15	*		4,079,960	2,810,373	1,204,231	6,850,597	8,054,828	6,890,333	72,695,638	--	9,936
06/29/15	Technician		4,079,969	2,812,507	1,206,192	6,852,865	8,059,057	6,892,476	72,702,050	--	9,936
06/30/15	*		4,079,969	2,815,418	1,207,003	6,855,930	8,062,933	6,895,387	72,709,421	--	9,936

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	June	Quarter 1, 2015	Quarter 2, 2015	Quarter 3, 2015	Quarter 4, 2015	2015 to Date	April 1996 to Date
Volume	216,110	342,827	528,279	--	--	871,106	72,709,421

Cumulative Mass DRO Removed by the GWETS ^A (lb)			
Period	June	Quarter 2 to Date	April 1996 to Date
Mass	0.3	1.1	9,936.0

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

Legend / Notes:

- 1 = Collected monthly influent, intermediate, and effluent water samples for laboratory analysis.
- 2 = GW-2 manually shut down for maintenance.
- 3 = GW-2 restarted.
- 4 = GW-2 totalizer not functioning properly and determined to require replacement.

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

- GWETS = Groundwater extraction and treatment system
- lb = Pounds
- ug/L = Micrograms per liter
- 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: 05/11/15 and 06/03/15 (laboratory reports attached).
- = Not applicable
- * = Operational values interpolated from chart recorder data or previous monitoring event.

TABLE 3a
Soil Vapor Extraction System Summary of Operations - April
 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 with Dilution (ppmv)	Field Process Concentration with Dilution ^{B,C} (ppmv)	Field Effluent Concentration ^{B,C} (ppmv)	Cumulative Vapor-Phase TPHg Removed ^D (lb)
04/01/15	*		27,983	142	--	--	--	--	--	2,934,686
04/02/15	Technician	1	27,985	170	4	108	--	300	0	2,934,688
04/03/15	*		28,009	170	--	--	--	--	--	2,934,690
04/04/15	*		28,033	170	--	--	--	--	--	2,934,692
04/05/15	*		28,057	170	--	--	--	--	--	2,934,694
04/06/15	Technician	1	28,081	400	1	90	--	260	0	2,934,699
04/07/15	*		28,105	400	--	--	--	--	--	2,934,704
04/08/15	Technician	1	28,128	401	1	96	--	220	0	2,934,710
04/09/15	*		28,152	401	--	--	--	--	--	2,934,715
04/10/15	*		28,176	401	--	--	--	--	--	2,934,720
04/11/15	*		28,200	401	--	--	--	--	--	2,934,725
04/12/15	*		28,224	401	--	--	--	--	--	2,934,730
04/13/15	Technician		28,248	390	1	104	--	120	0	2,934,735
04/14/15	*		28,272	390	--	--	--	--	--	2,934,740
04/15/15	Technician	1	28,296	389	1	104	--	130	0	2,934,760
04/16/15	*		28,320	389	--	--	--	--	--	2,934,780
04/17/15	Technician	2	28,343	376	1	90	--	310	0	2,934,800
04/18/15	*		28,367	376	--	--	--	--	--	2,934,819
04/19/15	*		28,391	376	--	--	--	--	--	2,934,839
04/20/15	*		28,415	376	--	--	--	--	--	2,934,859
04/21/15	*		28,439	376	--	--	--	--	--	2,934,878
04/22/15	Technician		28,463	395	1	92	--	281	0	2,934,899
04/23/15	*		28,487	395	--	--	--	--	--	2,934,919
04/24/15	Technician	3,4	28,511	390	1	86	--	288	0.7	2,934,940
04/25/15	*		28,535	390	--	--	--	--	--	2,934,960
04/26/15	*		28,559	390	--	--	--	--	--	2,934,980
04/27/15	Technician	1,3,5,6	28,583	394	1	85	140	132	7.1	2,935,001
04/28/15	*		28,607	394	--	--	--	--	--	2,935,021
04/29/15	Technician		28,631	412	1	114	--	153	9.7	2,935,043
04/30/15	*		28,655	412	--	--	--	--	--	2,935,064

Cumulative Mass TPHg Removed by the VES ^D (lb)			
Period	April	Quarter 2 to Date	April 1996 to Date
Mass	380	380	2,935,064

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

Legend / Notes:

- 1 = Measured individual well vapor concentrations with PID.
- 2 = VES temporarily shut down for maintenance.
- 3 = Measured individual soil biopile vapor concentrations with PID.
- 4 = Soil biopiles Powerine A-SP-01, B-SP-01, C-SP-01 and D-SP-01 brought online.
- 5 = Collected monthly influent, after GAC-1, after GAC-2, and effluent samples for laboratory analysis.
- 6 = Collected quarterly individual well samples for laboratory analysis.

Vapor extraction wells on line this month: VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7
 Soil biopiles on line this month: Powerine A-SP-01, B-SP-01, C-SP-01, D-SP-01

- VES = Soil vapor extraction system
 - scfm = Standard cubic feet per minute
 - A = Reading from chart recorder.
 - B = Concentrations obtained with a calibrated PID.
 - C = Concentrations correlated to laboratory data and expressed as hexane.
 - D = Hydrocarbon removal is calculated using analytical laboratory result for TPHg (if not detected, half the detection limit is used) from sample collected on: 04/27/15 (laboratory report attached).
 - = Not applicable or not measured
 - * = Operational values interpolated from chart recorder data or previous monitoring event.
- in. Hg = Inches of mercury
 °F = Degrees Fahrenheit
 ppmv = Parts per million by volume
 lb = Pounds

TABLE 3b
Soil Vapor Extraction System Summary of Operations - May
 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 with Dilution (ppmv)	Field Process Concentration with Dilution ^{B,C} (ppmv)	Field Effluent Concentration ^{B,C} (ppmv)	Cumulative Vapor-Phase TPHg Removed ^D (lb)
05/01/15	Technician	1,2	28,676	396	1	104	--	133	0	2,935,085
05/02/15	*		28,700	396	--	--	--	--	--	2,935,106
05/03/15	*		28,724	396	--	--	--	--	--	2,935,126
05/04/15	Technician	2,3	28,748	367	1	100	--	148	0	2,935,146
05/05/15	*		28,772	367	--	--	--	--	--	2,935,165
05/06/15	Technician	2	27,796	379	1	94	--	147	1.2	2,935,184
05/07/15	*		27,820	379	--	--	--	--	--	2,935,204
05/08/15	Technician	2,4	28,844	437	1	89	--	300	0.3	2,935,227
05/09/15	Technician	5	28,857	437	1	--	--	--	--	2,935,240
05/10/15	Off line		28,857	NA	--	--	--	--	--	2,935,240
05/11/15	Off line		28,857	NA	--	--	--	--	--	2,935,240
05/12/15	Off line		28,857	NA	--	--	--	--	--	2,935,240
05/13/15	Off line		28,857	NA	--	--	--	--	--	2,935,240
05/14/15	Off line		28,857	NA	--	--	--	--	--	2,935,240
05/15/15	Technician	6	28,875	412	2	--	--	249	0.2	2,935,255
05/16/15	Technician		28,899	422	2	110	--	149	0.3	2,935,277
05/17/15	*		28,923	422	--	--	--	--	--	2,935,299
05/18/15	Technician	2,5	28,931	407	2	108	--	254	1.2	2,935,307
05/19/15	Off line		28,931	NA	--	--	--	--	--	2,935,307
05/20/15	Off line		28,931	NA	--	--	--	--	--	2,935,307
05/21/15	Off line		28,931	NA	--	--	--	--	--	2,935,307
05/22/15	Off line		28,931	NA	--	--	--	--	--	2,935,307
05/23/15	Off line		28,931	NA	--	--	--	--	--	2,935,307
05/24/15	Off line		28,931	NA	--	--	--	--	--	2,935,307
05/25/15	Off line		28,931	NA	--	--	--	--	--	2,935,307
05/26/15	Off line		28,931	NA	--	--	--	--	--	2,935,307
05/27/15	Off line		28,931	NA	--	--	--	--	--	2,935,307
05/28/15	Technician	6,7	28,939	399	2	87	--	103	0.3	2,935,313
05/29/15	Technician	8,9	28,963	399	2	--	83	--	--	2,935,326
05/30/15	*		28,987	399	--	--	--	--	--	2,935,338
05/31/15	*		29,011	399	--	--	--	--	--	2,935,350

Cumulative Mass TPHg Removed by the VES ^A (lb)			
Period	May	Quarter 2 to Date	April 1996 to Date
Mass	286	666	2,935,350

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

Legend / Notes:

- 1 = VES temporarily shut down to perform carbon change out work.
- 2 = Measured individual soil biopile vapor concentrations with PID.
- 3 = Soil biopiles 80002 D-SP-01 and E-SP-01 brought online.
- 4 = Soil biopile 80002 C-SP-01 brought online.
- 5 = VES manually shut down for maintenance.
- 6 = VES restarted.
- 7 = Soil biopiles 80002 A-SP-01 and B-SP-01 brought online (Powerine A-SP-01 through D-SP-01 taken off line).
- 8 = Closed vapor extraction wells VEW-32, VEW-33, and VEW-34. HW-1, HW-3, HW-5, HW-7.
- 9 = Collected monthly influent, after GAC-1, after GAC-2, and effluent samples for laboratory analysis.

- VES = Soil vapor extraction system
- in. Hg = Inches of mercury
- scfm = Standard cubic feet per minute
- °F = Degrees Fahrenheit
- A = Reading from chart recorder.
- B = Concentrations obtained with a calibrated PID.
- C = Concentrations correlated to laboratory data and expressed as hexane.
- D = Hydrocarbon removal is calculated using analytical laboratory results for TPHg (if not detected, half the detection limit is used) from samples collected on: 04/27/15 and 05/29/15 (laboratory reports attached).
- = Not applicable or not measured
- * = Operational values interpolated from chart recorder data or previous monitoring event.
- ppmv = Parts per million by volume
- lb = Pounds

Vapor extraction wells on line this month: VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7
 Soil biopiles on line this month: Powerine A-SP-01 through D-SP-01, and 80002 A-SP-01 through E-SP-01

TABLE 3c
Soil Vapor Extraction System Summary of Operations - June
 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 with Dilution (ppmv)	Field Process Concentration with Dilution ^{B,C} (ppmv)	Field Effluent Concentration ^{B,C} (ppmv)	Cumulative Vapor-Phase TPHg Removed ^D (lb)
06/01/15	Technician	1	29,035	397	2	86	--	52	0	2,935,362
06/02/15	*		29,059	397	--	--	--	--	--	2,935,374
06/03/15	Technician	1,2,3	29,083	396	2	106	32	47	0.2	2,935,379
06/04/15	*		29,107	396	--	--	--	--	--	2,935,384
06/05/15	Technician		29,131	389	2	--	--	65	0	2,935,388
06/06/15	*		29,155	389	--	--	--	--	--	2,935,393
06/07/15	Technician		29,179	382	2	108	--	52	1.4	2,935,397
06/08/15	Technician	1,4	29,203	374	2	96	--	92	0.3	2,935,402
06/09/15	*		29,227	374	--	--	--	--	--	2,935,406
06/10/15	Technician		29,253	371	2	106	--	56	0.8	2,935,410
06/11/15	*		29,277	371	--	--	--	--	--	2,935,415
06/12/15	Technician	1	29,299	414	2	86	--	98	0.5	2,935,419
06/13/15	*		29,323	414	--	--	--	--	--	2,935,424
06/14/15	*		29,347	414	--	--	--	--	--	2,935,429
06/15/15	Technician	1	29,371	385	2	107	--	90	1.1	2,935,434
06/16/15	Technician	1,5,6	29,395	387	2	106	--	327	2.7	2,935,438
06/17/15	Technician	1,7	29,405	364	2	96	--	280	2.4	2,935,441
06/18/15	Technician		29,428	369	2	107	--	143	7.2	2,935,445
06/19/15	Technician	6	29,440	369	2	--	--	--	--	2,935,447
06/20/15	Off line		29,440	NA	--	--	--	--	--	2,935,447
06/21/15	Off line		29,440	NA	--	--	--	--	--	2,935,447
06/22/15	Technician	1,7	29,452	374	2	106	--	150	0.4	2,935,449
06/23/15	*		29,476	374	--	--	--	--	--	2,935,454
06/24/15	Technician	1,8	29,498	405	3	110	--	300	0	2,935,458
06/25/15	Technician		29,522	385	3	101	--	293	0	2,935,463
06/26/15	Technician	1,9	29,546	359	3	98	--	152	0	2,935,467
06/27/15	*		29,570	359	--	--	--	--	--	2,935,471
06/28/15	Technician		29,594	389	2	107	--	90	0	2,935,476
06/29/15	Technician		29,618	419	2	104	--	128	0	2,935,481
06/30/15	*		29,642	419	--	--	--	--	--	2,935,486

Cumulative Mass TPHg Removed by the VES ^A (lb)			
Period	June	Quarter 2 to Date	April 1996 to Date
Mass	135	801	2,935,486

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

Legend / Notes:

- 1 = Measured individual well and/or soil biopile vapor concentrations with PID.
- 2 = Opened vapor extraction wells VEW-32, VEW-33, and VEW-34.
- 3 = Collected monthly influent, after GAC-1, after GAC-2, and effluent samples for laboratory analysis.
- 4 = VES temporarily shut down for maintenance.
- 5 = Soil biopiles 80006 A-SP-01, B-SP-01 and C-SP-01 brought online.
- 6 = VES manually shut down for maintenance (automatically shut down on 6/16/15).
- 7 = VES restarted.
- 8 = Soil biopiles 80006 D-SP-01 and E-SP-01 brought online (80002 A-SP-01 and C-SP-01 taken off line).
- 9 = Soil biopiles 80002 B-SP-01 and 80006 A-SP-01 taken off line.

- VES = Soil vapor extraction system
- in. Hg = Inches of mercury
- scfm = Standard cubic feet per minute
- °F = Degrees Fahrenheit
- A = Reading from chart recorder.
- B = Concentrations obtained with a calibrated PID.
- C = Concentrations correlated to laboratory data and expressed as hexane.
- D = Hydrocarbon removal is calculated using analytical laboratory results for TPHg (if not detected, half the detection limit is used) from samples collected on: 05/29/15 and 06/03/15 (laboratory reports attached).
- = Not applicable or not measured
- * = Operational values interpolated from chart recorder data or previous monitoring event.
- ppmv = Parts per million by volume
- lb = Pounds

Vapor extraction wells on line this month: VEW-32, VEW-33, VEW-34
 Soil biopiles on line this month: 80002 A-SP-01 through E-SP-01, and 80006 A-SP-01 through E-SP-01

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

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	TPHg Field PID Reading	TPHg		TPHg as Hexane		Benzene		Toluene		Ethylbenzene		o-Xylene		m,p-Xylenes		Total Xylenes		MTBE	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
04/23/14		VEW-32, VEW-33, VEW-34, VEW-35, VEW-36 VEW-37, HW-1, HW-3, HW-5, HW-7	TO-3 & 8260B	1.9	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	<0.0050	<0.022	<0.010	<0.043	<0.015	<0.065	<0.010	<0.036
05/16/14	1	VEW-32, VEW-33, VEW-34, VEW-35, VEW-36 VEW-37, HW-1, HW-3, HW-5, HW-7	TO-3 & 8260B	1.1	--	--	<3.0	<11	<0.0050	<0.016	<0.0050	<0.019	<0.0050	<0.022	<0.0050	<0.022	<0.010	<0.043	<0.015	<0.065	<0.010	<0.036
07/09/14	2	VEW-32, VEW-33, VEW-34, VEW-35, VEW-36 VEW-37, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	24	6.1	25	7.0	25	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
08/13/14		VEW-32, VEW-33, VEW-34, VEW-35, VEW-36 VEW-37, HW-1, HW-3, HW-5, HW-7	8015M & 8260M	27	7.3	30	8.4	30	<0.16	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.3	<1.5	<0.6	<2.0
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

Legend / Notes:

Data collected prior to April 2014 not verified for completeness nor accuracy.
 VES = Soil vapor extraction system
 TPHg = Total petroleum hydrocarbons as gasoline
 MTBE = Methyl tertiary-butyl ether
 ppmv = Parts per million by volume
 µg/L = Micrograms per liter
 <1 = Not detected at or above the Method Reporting Limit (MRL) shown.
 -- = Not available or not analyzed

1 = VES manually shut down on 05/29/14.
 2 = VES restarted.
 3 = Closed vapor extraction wells VEW-35, VEW-36, and VEW-37 on 08/27/14.
 4 = VES manually shut down.
 5 = VES restarted on 11/03/14.
 6 = Select soil biopiles also or only on line (see Table 3a through 3c for details).
 7 = Closed all vapor extraction wells.
 8 = Opened vapor extraction wells VEW-32, VEW-33 and VEW-34.

TABLE 5
Historical Summary of Analytical Sampling Results - Influent Groundwater
 DFSP, Norwalk
 15306 Norwalk Blvd., Norwalk, CA

Sample Date	Notes	GWETS Wells On Line	Laboratory Analysis Methods	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	TBA	MTBE	DIPE	ETBE	TAME
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
04/22/08		--	--	--	--	71	25	17	42	30	14	4.6	<2.0	<2.0	<2.0
05/01/08		--	--	810	--	--	--	--	--	--	--	--	--	--	--
05/16/08		--	--	760	--	--	--	--	--	--	--	--	--	--	--
06/12/08		--	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	25	7.7	<2.0	<2.0	<2.0
07/19/08		--	--	170	<100	27	0.77	7.0	13	7.9	<10	3.9	<2.0	<2.0	<2.0
09/03/08		--	--	--	--	--	--	--	--	--	<10	--	--	--	--
09/08/08		--	--	--	--	27	0.99	8.3	13	8.2	<10	3.1	<2.0	<2.0	<2.0
09/15/08		--	--	--	--	36	0.81	8.5	12	6.8	<10	3.8	<2.0	<2.0	<2.0
11/13/08		--	--	--	--	27	<0.50	2.0	12	5.6	<10	<0.50	<2.0	<2.0	<2.0
11/26/08		--	--	--	--	<0.50	<0.50	<0.50	1.3	0.61	16	5.6	<2.0	<2.0	<2.0
12/13/08		--	--	--	--	<0.50	<0.50	0.56	1.1	0.54	19	7.0	<2.0	<2.0	<2.0
01/09/09		--	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<2.0	<2.0	<2.0
03/05/09		--	--	<100	--	21	<0.50	2.5	7.2	3.1	12	3.1	<2.0	<2.0	<2.0
03/18/09		--	--	200	170	21	<0.50	2.9	7.0	4.5	13	3.3	<2.0	<2.0	<2.0
05/15/09		--	--	<100	--	--	--	--	--	--	--	--	--	--	--
06/04/09		--	--	190	--	26	<0.50	3.3	10	6.6	<10	4.8	<2.0	<2.0	<2.0
06/24/09		--	--	--	--	28	<0.50	2.5	7.6	4.2	12	4.4	<2.0	<2.0	<2.0
05/28/09		--	--	170	--	27	<0.50	2.6	7.9	4.5	<10	3.6	<2.0	<2.0	<2.0
11/19/09		--	--	<100	--	15	<0.50	1.3	5.8	2.9	5.6	2.3	1.2	<2.0	<2.0
10/26/10		--	--	--	--	20	<0.50	1.6	7.4	2.1	8.0	2.9	1.1	<2.0	<2.0
06/01/11		--	--	90	--	--	--	--	--	--	--	--	--	--	--
07/14/11		--	--	--	--	13	<0.50	2.3	6.2	3.0	6.7	1.6	<2.0	<2.0	<2.0
09/13/11		--	--	--	--	5.0	<0.50	0.37	3.4	0.99	<10	1.3	<2.0	<2.0	<2.0
09/22/11		--	--	--	--	5.5	<0.50	0.92	7.2	1.6	5.6	1.1	<2.0	<2.0	<2.0
10/19/11		--	--	--	--	8.2	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<2.0	<2.0	<2.0
01/20/12		--	--	--	--	14	<0.50	2.8	7.8	1.2	16	1.3	0.42	<2.0	<2.0
02/03/12		--	--	120	340	--	--	--	--	--	--	--	--	--	--
02/17/12		--	--	--	--	10	<0.50	1.5	7.4	1.2	15	1.2	0.39	<2.0	<2.0
02/24/12		--	--	180	--	26	<0.50	1.0	7.0	1.2	<10	1.2	0.41	<2.0	<2.0

TABLE 5
Historical Summary of Analytical Sampling Results - Influent Groundwater
 DFSP, Norwalk
 15306 Norwalk Blvd., Norwalk, CA

Sample Date	Notes	GWETS Wells On Line	Laboratory Analysis Methods	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	TBA	MTBE	DIPE	ETBE	TAME
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
03/02/12		--	--	--	--	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

TABLE 5
Historical Summary of Analytical Sampling Results - Influent Groundwater
 DFSP, Norwalk
 15306 Norwalk Blvd., Norwalk, CA

Sample Date	Notes	GWETS Wells On Line	Laboratory Analysis Methods	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	TBA	MTBE	DIPE	ETBE	TAME
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
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

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

µg/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	68.5	4,176	140	19.7	154	10.4	4.2	5.5	6.4	20.3
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	10.5
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
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	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	--	--	--

Legend / Notes:

- GRO = Gasoline range organics
- ppmv = Parts per million by volume
- Concentrations measured using calibrated field PID (Mini Rae calibrated to Hexane).
- = Not measured
- 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.
- 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).

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 Reading ^A	GRO		Benzene		Toluene		Ethylbenzene		o-Xylene		m,p-Xylenes		MTBE	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
HW-1	07/09/14	1	8015M & 8260M	69	23	96	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	10/23/14			3.3	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	04/27/15			1,455	830	3,400	1.1	3.5	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
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
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
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
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
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
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
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
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
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

Legend / Notes:

GRO = Gasoline range organics
 MTBE = Methyl tertiary-butyl ether
 ppmv = Parts per million by volume
 µg/L = Micrograms per liter

<0.6 = Not detected at or above the method reporting limit (MRL) shown.
 A = Concentration measured using calibrated field PID (Mini Rae calibrated to Hexane).
 -- = Not Analyzed
 1 = Samples collected on system restart (off line since manually shut down on 05/29/14).

TABLE 8a
Summary of LNAPL Removal in GMW-62 - 2nd Quarter 2015
 DFSP, Norwalk
 15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing ^A (gallons)	LNAPL Removed with Socks (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)
04/17/15	32.22	32.48	0.26	0	No Sock in Well	No Sock in Well	111.5	763.0
05/06/15	32.80	33.28	0.48	0.5	56	65.5	112.5	769.9
05/13/15	33.17	33.22	0.05	0	68	79.5	113.1	774.2
05/22/15	33.34	33.57	0.23	0	108	126.2	114.1	780.9
06/01/15	33.21	33.32	0.11	0	68	79.5	114.7	785.2
06/12/15	33.31	33.38	0.07	0	60	70.1	115.3	788.9
06/19/15	--	33.02	--	0	44	51.4	115.7	791.7

Cumulative for the Reporting Period:	0.5	404	472.2	4.2	28.7
Cumulative Beginning January 2014 ^A:	112.0	404	472.2	115.7	791.7

Legend / Notes:

LNAPL = Light non-aqueous phase liquids

feet btc = Feet below top of casing

Sock = LNAPL absorbent sock

-- = Not applicable

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

TABLE 8b
Summary of LNAPL Removal in GMW-4 - 2nd Quarter 2015
 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 GMW-21 - 2nd Quarter 2015
 DFSP, Norwalk
 15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing ^A (gallons)	LNAPL Removed with Socks (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)
04/17/15	--	32.82	--	0.0	4	4.7	19.8	135.5
04/20/15	--	32.82	--	0.0	12	14.0	19.9	136.2
05/06/15	--	32.82	--	0.0	20	23.4	20.1	137.5
05/13/15	--	32.85	--	0.0	24	28.1	20.3	139.0
05/22/15	--	32.89	--	0.0	28	32.7	20.6	140.7
06/03/15	--	32.92	--	0.0	28	32.7	20.8	142.5
06/12/15	--	32.95	--	0.0	20	23.4	21.0	143.7
06/19/15	--	32.99	--	0.0	28	32.7	21.3	145.5
Cumulative for the Reporting Period:				0.0	164	191.7	1.5	10.2
Cumulative Beginning January 2014^A:				5.0	1,780	2,080.6	21.3^B	145.5^B

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.

B = Corrected for additional removal via sock on 11/14/14.

TABLE 8d
Summary of LNAPL Removal in MW-15 - 2nd Quarter 2015
 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 PZ-3 - 2nd Quarter 2015
 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)
04/17/15	31.82	31.84	0.02	NA	NA	0.2	1.5
04/20/15	--	32.80	--	NA	NA	0.2	1.5
05/06/15	--	32.85	--	NA	NA	0.2	1.5
05/13/15	--	32.88	--	NA	NA	0.2	1.5
Cumulative for the Reporting Period:				0.0	0.0	0.0	0.0
Cumulative Beginning January 2014^A:				24	27.5	0.2	1.5

Legend / Notes:

LNAPL = Light non-aqueous phase liquids

feet btc = Feet below top of casing

Sock = LNAPL absorbent sock (approximately 18" long with 1" diameter)

-- = Not applicable

NM = Not measured, sock redeployed in well due to minimal LNAPL on the sock

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 TF-18 - 2nd Quarter 2015
 DFSP, Norwalk
 15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing ^A (gallons)	LNAPL Removed with Socks (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)
04/20/15	29.36	30.11	0.75	0.0	36.0	42.1	94.4	645.7
01/16/15	29.72	31.13	1.41	0.0	28.8	98.2	64.6	441.8
01/23/15	29.71	31.13	1.42	0.0	28.8	98.2	65.3	447.0
04/20/15	29.36	30.11	0.75	0.0	36	42.1	94.4	645.7
05/06/15	30.01	31.59	1.58	2.0	72	84.2	97.0	663.9
05/13/15	30.04	31.66	1.62	0.0	68	79.5	97.6	668.1
05/22/15	30.03	31.74	1.71	0.0	92	107.5	98.5	673.9
06/01/15	30.05	31.79	1.74	2.0	72	84.2	101.1	692.0
06/12/15	30.09	31.91	1.82	2.0	60	70.1	103.7	709.5
06/19/15	30.13	32.12	1.99	2.5	44	51.4	106.6	729.3
Cumulative for the Reporting Period:				8.5	538	757.4	43.5	297.8
Cumulative Beginning January 2014 ^A:				63.3	4,740 ^B	5,540.6 ^B	106.6 ^B	729.3 ^B

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.

B = Corrected for additional removal via sock on 3/30/15.

TABLE 8g
Summary of LNAPL Removal in TF-19 - 2nd Quarter 2015
 DFSP, Norwalk
 15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing ^A (gallons)	LNAPL Removed with Socks (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)
05/22/15	31.12	32.92	1.80	0.0	0	0.0	0.0	0.0
06/01/15	31.58	33.07	1.49	1.5	84	98.2	2.3	15.5
06/12/15	31.91	32.27	0.36	1.0	56	65.5	3.8	25.9
06/19/15	31.87	31.99	0.12	0.5	60	70.1	4.8	33.0
Cumulative for the Reporting Period:				3.0	200	233.8	4.8	33.0
Cumulative Beginning June 2015 ^A:				3.0	200	233.8	4.8	33.0

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 June 2015.

TABLE 8h
Summary of LNAPL Removal in GMW-7 - 2nd Quarter 2015
 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)
04/17/15	--	32.63	--	4	4.7	16.0	109.7
05/06/15	--	32.44	--	16	18.7	18.5	126.7
05/13/15	--	32.70	--	20	23.4	21.2	145.0
05/22/15	--	32.75	--	24	28.1	24.1	164.7
06/03/15	--	32.76	--	20	23.4	27.1	185.7
06/12/15	--	32.79	--	36	42.1	30.5	209.0
06/19/15	32.83	32.85	0.02	28	32.7	34.2	234.0

Cumulative for the Reporting Period:	148	173.0	20.5	140.2
Cumulative Beginning January 2014^A:	400	467.6	34.2	234.0

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

APPENDIX A

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS



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April 14, 2015

Neil Irish

The Source Group, Inc. (SH)
1962 Freeman Ave.
Signal Hill, CA 90755

**Re : DFSP Norwalk GWETS NPDES Monthly / 04-NDLA-001
A5331294 / 5D02004**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 04/02/15 15:43 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-001
Project Name: DFSP Norwalk GWETS NPDES Monthly

AA Project No: A5331294
Date Received: 04/02/15
Date Reported: 04/14/15

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
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8260B TPHGASOLINEBTEXOXY

GW-15	5D02004-03	Water	5	04/02/15 13:53	04/02/15 15:43
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Alkalinity SM2320B

GW-2	5D02004-01	Water	5	04/02/15 13:35	04/02/15 15:43
GW-13	5D02004-02	Water	5	04/02/15 13:30	04/02/15 15:43
GW-15	5D02004-03	Water	5	04/02/15 13:53	04/02/15 15:43
GW-16	5D02004-04	Water	5	04/02/15 13:45	04/02/15 15:43

Arsenic Total EPA 200.7

GW-2	5D02004-01	Water	5	04/02/15 13:35	04/02/15 15:43
GW-13	5D02004-02	Water	5	04/02/15 13:30	04/02/15 15:43
GW-15	5D02004-03	Water	5	04/02/15 13:53	04/02/15 15:43
GW-16	5D02004-04	Water	5	04/02/15 13:45	04/02/15 15:43

Chloride by Ion Chromatography

GW-2	5D02004-01	Water	5	04/02/15 13:35	04/02/15 15:43
GW-13	5D02004-02	Water	5	04/02/15 13:30	04/02/15 15:43
GW-15	5D02004-03	Water	5	04/02/15 13:53	04/02/15 15:43
GW-16	5D02004-04	Water	5	04/02/15 13:45	04/02/15 15:43

Diesel Range Organics 8015M

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GWETS NPDES Monthly

AA Project No: A5331294
Date Received: 04/02/15
Date Reported: 04/14/15

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
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GW-15	5D02004-03	Water	5	04/02/15 13:53	04/02/15 15:43
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Nitrate as N by Ion Chromatography

GW-2	5D02004-01	Water	5	04/02/15 13:35	04/02/15 15:43
GW-13	5D02004-02	Water	5	04/02/15 13:30	04/02/15 15:43
GW-15	5D02004-03	Water	5	04/02/15 13:53	04/02/15 15:43
GW-16	5D02004-04	Water	5	04/02/15 13:45	04/02/15 15:43

Sulfate by Ion Chromatography

GW-2	5D02004-01	Water	5	04/02/15 13:35	04/02/15 15:43
GW-13	5D02004-02	Water	5	04/02/15 13:30	04/02/15 15:43
GW-15	5D02004-03	Water	5	04/02/15 13:53	04/02/15 15:43
GW-16	5D02004-04	Water	5	04/02/15 13:45	04/02/15 15:43

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GWETS NPDES Monthly
Method: Chloride by Ion Chromatography

AA Project No: A5331294
Date Received: 04/02/15
Date Reported: 04/14/15

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
<u>Chloride by Ion Chromatography (EPA 300.0)</u>									
5D02004-01	GW-2	04/02/15	04/07/15	04/07/15	100	360	mg/L	0.344	0.5
5D02004-02	GW-13	04/02/15	04/07/15	04/07/15	100	510	mg/L	0.344	0.5
5D02004-03	GW-15	04/02/15	04/07/15	04/07/15	50	220	mg/L	0.344	0.5
5D02004-04	GW-16	04/02/15	04/07/15	04/07/15	50	260	mg/L	0.344	0.5

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GWETS NPDES Monthly
Method: Nitrate by Ion Chromatography

AA Project No: A5331294
Date Received: 04/02/15
Date Reported: 04/14/15

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
<u>Nitrate as N by Ion Chromatography (EPA 300.0)</u>									
5D02004-01	GW-2	04/02/15	04/03/15	04/03/15	1	<0.050	mg/L	0.05	0.1
5D02004-02	GW-13	04/02/15	04/03/15	04/03/15	1	<0.050	mg/L	0.05	0.1
5D02004-03	GW-15	04/02/15	04/03/15	04/03/15	1	<0.050	mg/L	0.05	0.1
5D02004-04	GW-16	04/02/15	04/03/15	04/03/15	1	<0.050	mg/L	0.05	0.1

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GWETS NPDES Monthly
Method: Sulfate by Ion Chromatography

AA Project No: A5331294
Date Received: 04/02/15
Date Reported: 04/14/15

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
<u>Sulfate by Ion Chromatography (EPA 300.0)</u>									
5D02004-01	GW-2	04/02/15	04/07/15	04/07/15	100	800	mg/L	0.277	0.5
5D02004-02	GW-13	04/02/15	04/07/15	04/07/15	200	1200	mg/L	0.277	0.5
5D02004-03	GW-15	04/02/15	04/07/15	04/07/15	50	460	mg/L	0.277	0.5
5D02004-04	GW-16	04/02/15	04/07/15	04/07/15	100	560	mg/L	0.277	0.5

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GWETS NPDES Monthly
Method: Alkalinity by SM2320B Titrimetic

AA Project No: A5331294
Date Received: 04/02/15
Date Reported: 04/14/15
Units: mg/L

Date Sampled:	04/02/15	04/02/15	04/02/15	04/02/15		
Date Prepared:	04/07/15	04/07/15	04/07/15	04/07/15		
Date Analyzed:	04/07/15	04/07/15	04/07/15	04/07/15		
AA ID No:	5D02004-01	5D02004-02	5D02004-03	5D02004-04		
Client ID No:	GW-2	GW-13	GW-15	GW-16		
Matrix:	Water	Water	Water	Water		
Dilution Factor:	1	1	1	1	MDL	MRL

Alkalinity SM2320B (SM2320B)

Total Alkalinity as CaCO3	560	580	550	560	1.0	2.0
Carbonate Alkalinity as CaCO3	4.6	4.3	3.6	5.8	1.0	2.0
Bicarbonate Alkalinity as CaCO3	550	570	550	550	1.0	2.0
Hydroxide Alkalinity as CaCO3	<1.0	<1.0	<1.0	<1.0	1.0	2.0

Viorel Vasile
 Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GWETS NPDES Monthly
Method: TPHG/BTEX/Oxygenates by GC/MS

AA Project No: A5331294
Date Received: 04/02/15
Date Reported: 04/14/15
Units: ug/L

Date Sampled:	04/02/15		
Date Prepared:	04/03/15		
Date Analyzed:	04/03/15		
AA ID No:	5D02004-03		
Client ID No:	GW-15		
Matrix:	Water		
Dilution Factor:	2	MDL	MRL

8260B TPHGASOLINEBTEXOXY (EPA 8260B)

tert-Amyl Methyl Ether (TAME)	<0.60	0.30	2.0
Benzene	230	0.20	0.50
tert-Butyl alcohol (TBA)	<14	7.0	10
Diisopropyl ether (DIPE)	<1.0	0.50	2.0
Ethylbenzene	75	0.20	0.50
Ethyl-tert-Butyl Ether (ETBE)	<0.80	0.40	2.0
Gasoline Range Organics (GRO)	3400	40	100
Methyl-tert-Butyl Ether (MTBE)	<0.80	0.40	2.0
Toluene	2.0	0.30	0.50
o-Xylene	62	0.30	0.50
m,p-Xylenes	290	0.40	1.0

Surrogates

		<u>%REC Limits</u>
4-Bromofluorobenzene	103%	70-140
Dibromofluoromethane	82%	70-140
Toluene-d8	108%	70-140

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GWETS NPDES Monthly
Method: Diesel Range Organics by GC/FID

AA Project No: A5331294
Date Received: 04/02/15
Date Reported: 04/14/15
Units: ug/L

Date Sampled:	04/02/15		
Date Prepared:	04/10/15		
Date Analyzed:	04/10/15		
AA ID No:	5D02004-03		
Client ID No:	GW-15		
Matrix:	Water		
Dilution Factor:	1	MDL	MRL

Diesel Range Organics 8015M (EPA 8015M)

Diesel Range Organics as Diesel	340	60	100
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Surrogates

o-Terphenyl	98%	<u>%REC Limits</u>
		50-150

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GWETS NPDES Monthly
Method: Total Metals by ICP Atomic Emission Spectroscopy

AA Project No: A5331294
Date Received: 04/02/15
Date Reported: 04/14/15

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
<u>Arsenic Total EPA 200.7 (EPA 200.7)</u>									
5D02004-01	GW-2	04/02/15	04/06/15	04/07/15	1	0.11	mg/L	0.006	0.007
5D02004-02	GW-13	04/02/15	04/06/15	04/07/15	1	0.072	mg/L	0.006	0.007
5D02004-03	GW-15	04/02/15	04/06/15	04/07/15	1	0.027	mg/L	0.006	0.007
5D02004-04	GW-16	04/02/15	04/06/15	04/07/15	1	0.031	mg/L	0.006	0.007

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GWETS NPDES Monthly

AA Project No: A5331294
Date Received: 04/02/15
Date Reported: 04/14/15

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride by Ion Chromatography - Quality Control										
<i>Batch B5D0702 - NO PREP</i>										
Blank (B5D0702-BLK1)				Prepared & Analyzed: 04/07/15						
Chloride	<0.34	0.34	mg/L							
LCS (B5D0702-BS1)				Prepared & Analyzed: 04/07/15						
Chloride	5.27	0.34	mg/L	5.0	105	90-110				
LCS Dup (B5D0702-BSD1)				Prepared & Analyzed: 04/07/15						
Chloride	5.27	0.34	mg/L	5.0	105	90-110	0.00	30		
Duplicate (B5D0702-DUP1)				Source: 5D02004-01 Prepared & Analyzed: 04/07/15						
Chloride	335	69	mg/L	360			7.19	20		
Nitrate by Ion Chromatography - Quality Control										
<i>Batch B5D0304 - NO PREP</i>										
Blank (B5D0304-BLK1)				Prepared & Analyzed: 04/03/15						
Nitrate as N	<0.050	0.050	mg/L							
LCS (B5D0304-BS1)				Prepared & Analyzed: 04/03/15						
Nitrate as N	5.33	0.050	mg/L	5.0	107	90-110				
LCS Dup (B5D0304-BSD1)				Prepared & Analyzed: 04/03/15						
Nitrate as N	5.47	0.050	mg/L	5.0	109	90-110	2.61	20		
Matrix Spike (B5D0304-MS1)				Source: 5D02004-04 Prepared & Analyzed: 04/03/15						
Nitrate as N	2.08	0.050	mg/L	2.5	<0.10	83.2	80-120			
Matrix Spike Dup (B5D0304-MSD1)				Source: 5D02004-04 Prepared & Analyzed: 04/03/15						
Nitrate as N	2.10	0.050	mg/L	2.5	<0.10	83.8	80-120	0.718	30	
Sulfate by Ion Chromatography - Quality Control										
<i>Batch B5D0702 - NO PREP</i>										
Blank (B5D0702-BLK1)				Prepared & Analyzed: 04/07/15						
Sulfate	<0.28	0.28	mg/L							
LCS (B5D0702-BS1)				Prepared & Analyzed: 04/07/15						
Sulfate	5.11	0.28	mg/L	5.0	102	90-110		20		
LCS Dup (B5D0702-BSD1)				Prepared & Analyzed: 04/07/15						
Sulfate	5.04	0.28	mg/L	5.0	101	90-110	1.46	20		
Duplicate (B5D0702-DUP1)				Source: 5D02004-01 Prepared & Analyzed: 04/07/15						
Sulfate	780	55	mg/L	796			1.97	20		

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GWETS NPDES Monthly

AA Project No: A5331294
Date Received: 04/02/15
Date Reported: 04/14/15

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Notes
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Alkalinity by SM2320B Titrimetric - Quality Control

Batch B5D0704 - NO PREP

Blank (B5D0704-BLK1)

Prepared & Analyzed: 04/07/15

Total Alkalinity as CaCO3	<1.0	1.0	mg/L
Carbonate Alkalinity as CaCO3	<1.0	1.0	mg/L
Bicarbonate Alkalinity as CaCO3	<1.0	1.0	mg/L
Hydroxide Alkalinity as CaCO3	<1.0	1.0	mg/L

LCS (B5D0704-BS1)

Prepared & Analyzed: 04/07/15

Total Alkalinity as CaCO3	1030	1.0	mg/L	1000	103	80-120
Carbonate Alkalinity as CaCO3	885	1.0	mg/L			80-120
Bicarbonate Alkalinity as CaCO3	96.3	1.0	mg/L			80-120
Hydroxide Alkalinity as CaCO3	48.9	1.0	mg/L			80-120

LCS Dup (B5D0704-BSD1)

Prepared & Analyzed: 04/07/15

Total Alkalinity as CaCO3	1020	1.0	mg/L	1000	102	80-120	0.985	20
Carbonate Alkalinity as CaCO3	880	1.0	mg/L			80-120	0.510	20
Bicarbonate Alkalinity as CaCO3	83.5	1.0	mg/L			80-120	14.2	20
Hydroxide Alkalinity as CaCO3	56.1	1.0	mg/L			80-120	13.7	20

Duplicate (B5D0704-DUP1)

Source: 5D02004-02 Prepared & Analyzed: 04/07/15

Total Alkalinity as CaCO3	566	1.0	mg/L		576		1.77	25
Carbonate Alkalinity as CaCO3	4.70	1.0	mg/L		4.30		8.89	25
Bicarbonate Alkalinity as CaCO3	561	1.0	mg/L		571		1.85	25
Hydroxide Alkalinity as CaCO3	<1.0	1.0	mg/L		<2.0			25

TPHG/BTEX/Oxygenates by GC/MS - Quality Control

Batch B5D0309 - EPA 5030B

Blank (B5D0309-BLK1)

Prepared & Analyzed: 04/03/15

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

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GWETS NPDES Monthly

AA Project No: A5331294
Date Received: 04/02/15
Date Reported: 04/14/15

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
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TPHG/BTEX/Oxygenates by GC/MS - Quality Control

Batch B5D0309 - EPA 5030B

Blank (B5D0309-BLK1) Continued

Prepared & Analyzed: 04/03/15

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	59.3		ug/L	50		119	70-140			
Surrogate: Dibromofluoromethane	39.6		ug/L	50		79.1	70-140			
Surrogate: Toluene-d8	54.8		ug/L	50		110	70-140			

LCS (B5D0309-BS1)

Prepared & Analyzed: 04/03/15

Benzene	16.0	0.20	ug/L	20		80.0	75-125			
Ethylbenzene	21.2	0.20	ug/L	20		106	75-125			
Methyl-tert-Butyl Ether (MTBE)	22.8	0.40	ug/L	20		114	70-135			
Toluene	19.9	0.30	ug/L	20		99.7	75-125			
o-Xylene	20.9	0.30	ug/L	20		105	75-125			

Surrogate: 4-Bromofluorobenzene	52.0		ug/L	50		104	70-140			
Surrogate: Dibromofluoromethane	41.2		ug/L	50		82.5	70-140			
Surrogate: Toluene-d8	49.0		ug/L	50		97.9	70-140			

LCS Dup (B5D0309-BSD1)

Prepared & Analyzed: 04/03/15

Benzene	16.0	0.20	ug/L	20		80.2	75-125	0.375	30	
Ethylbenzene	21.7	0.20	ug/L	20		108	75-125	2.24	30	
Methyl-tert-Butyl Ether (MTBE)	22.9	0.40	ug/L	20		115	70-135	0.437	30	
Toluene	21.4	0.30	ug/L	20		107	75-125	6.83	30	
o-Xylene	19.8	0.30	ug/L	20		98.8	75-125	5.85	30	

Surrogate: 4-Bromofluorobenzene	53.2		ug/L	50		106	70-140			
Surrogate: Dibromofluoromethane	39.2		ug/L	50		78.3	70-140			
Surrogate: Toluene-d8	54.4		ug/L	50		109	70-140			

Diesel Range Organics by GC/FID - Quality Control

Batch B5D1001 - EPA 3510C

Blank (B5D1001-BLK1)

Prepared & Analyzed: 04/10/15

Diesel Range Organics as Diesel	61.8	60	ug/L							J
Surrogate: o-Terphenyl	46.4		ug/L	40		116	50-150			

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GWETS NPDES Monthly

AA Project No: A5331294
Date Received: 04/02/15
Date Reported: 04/14/15

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
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Diesel Range Organics by GC/FID - Quality Control

Batch B5D1001 - EPA 3510C

LCS (B5D1001-BS1)

Prepared & Analyzed: 04/10/15

Diesel Range Organics as Diesel	649	60	ug/L	800	81.1	75-125		30		
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<i>Surrogate: o-Terphenyl</i>	49.1		ug/L	40	123	50-150				
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LCS Dup (B5D1001-BSD1)

Prepared & Analyzed: 04/10/15

Diesel Range Organics as Diesel	696	60	ug/L	800	87.1	75-125	7.08	30		
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<i>Surrogate: o-Terphenyl</i>	46.0		ug/L	40	115	50-150				
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Total Metals by ICP Atomic Emission Spectroscopy - Quality Control

Batch B5D0606 - EPA 3010A

Blank (B5D0606-BLK1)

Prepared: 04/06/15 Analyzed: 04/07/15

Arsenic	<0.0060	0.0060	mg/L							
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LCS (B5D0606-BS1)

Prepared: 04/06/15 Analyzed: 04/07/15

Arsenic	0.215	0.0060	mg/L	0.20	108	80-120		20		
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LCS Dup (B5D0606-BSD1)

Prepared: 04/06/15 Analyzed: 04/07/15

Arsenic	0.206	0.0060	mg/L	0.20	103	80-120	4.36	20		
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Matrix Spike (B5D0606-MS1)

Source: 5D02004-04

Prepared: 04/06/15 Analyzed: 04/07/15

Arsenic	0.248	0.0060	mg/L	0.20	0.0313	108	75-125		20	
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Matrix Spike Dup (B5D0606-MSD1)

Source: 5D02004-04

Prepared: 04/06/15 Analyzed: 04/07/15

Arsenic	0.268	0.0060	mg/L	0.20	0.0313	118	75-125	7.75	20	
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Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GWETS NPDES Monthly

AA Project No: A5331294
Date Received: 04/02/15
Date Reported: 04/14/15

Special Notes

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

Viorel Vasile
Operations Manager



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Fax: (818) 998-7258

May 04, 2015

Neil Irish

The Source Group, Inc. (SH)
1962 Freeman Ave.
Signal Hill, CA 90755

**Re : DFSP Norwalk VES AQMD / 04-NDLA-001
A5331317 / 5D27035**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 04/27/15 14:02 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331317
Date Received: 04/27/15
Date Reported: 05/04/15

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
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VOCs BTEX/MTBE Vapor GC/MS

After GAC-1	5D27035-01	Vapor	5	04/27/15 08:05	04/27/15 14:02
After GAC-2	5D27035-02	Vapor	5	04/27/15 08:03	04/27/15 14:02

VOCs Gasoline Range Organics Vapor

After GAC-1	5D27035-01	Vapor	5	04/27/15 08:05	04/27/15 14:02
After GAC-2	5D27035-02	Vapor	5	04/27/15 08:03	04/27/15 14:02

VOCs GRO Vapor as Hexane

After GAC-1	5D27035-01	Vapor	5	04/27/15 08:05	04/27/15 14:02
After GAC-2	5D27035-02	Vapor	5	04/27/15 08:03	04/27/15 14:02

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: VOCs BTEX/MTBE Vapor by GC/MS 8260M

AA Project No: A5331317
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

After GAC-1**5D27035-01 (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
Dibromofluoromethane
Toluene-d8

103 %
104 %
103 %

70-140
70-140
70-140

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: VOCs BTEX/MTBE Vapor by GC/MS 8260M

AA Project No: A5331317
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

After GAC-2**5D27035-02 (Vapor)**

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

Surrogates**%REC****%REC Limits**

4-Bromofluorobenzene
Dibromofluoromethane
Toluene-d8

104 %
111 %
102 %

70-140
70-140
70-140

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor by GC/FID

AA Project No: A5331317
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/27/15
Analyzed: 04/27/15

After GAC-1

5D27035-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	400	ug/L	20	98	ppmv	4.9
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		106 %			70-130	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor by GC/FID

AA Project No: A5331317
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

After GAC-2

5D27035-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	30	ug/L	20	7.3	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)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor as Hexane

AA Project No: A5331317
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/27/15
Analyzed: 04/27/15

After GAC-1

5D27035-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	400	ug/L	20	110	ppmv	5.7
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		106 %			70-130	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor as Hexane

AA Project No: A5331317
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

After GAC-2

5D27035-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	30	ug/L	20	8.5	ppmv	5.7
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		108 %			70-130	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331317
Date Received: 04/27/15
Date Reported: 05/04/15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control									
<i>Batch B5D2802 - *** DEFAULT PREP ***</i>									
Blank (B5D2802-BLK1)					Prepared & Analyzed: 04/28/15				
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						
<i>Surrogate: 4-Bromofluorobenzene</i>	53.3		ug/L	50		107 70-140			
<i>Surrogate: Dibromofluoromethane</i>	46.9		ug/L	50		93.9 70-140			
<i>Surrogate: Toluene-d8</i>	54.1		ug/L	50		108 70-140			
LCS (B5D2802-BS1)					Prepared & Analyzed: 04/28/15				
Benzene	20.7	0.50	ug/L	20		103 75-125			
Ethylbenzene	21.0	0.50	ug/L	20		105 75-125			
Methyl-tert-Butyl Ether (MTBE)	18.2	2.0	ug/L	20		91.0 75-125			
Toluene	20.2	0.50	ug/L	20		101 75-125			
o-Xylene	22.4	0.50	ug/L	20		112 75-125			
m,p-Xylenes	43.2	1.0	ug/L	40		108 75-125			
<i>Surrogate: 4-Bromofluorobenzene</i>	48.0		ug/L	50		96.1 70-140			
<i>Surrogate: Dibromofluoromethane</i>	53.2		ug/L	50		106 70-140			
<i>Surrogate: Toluene-d8</i>	47.3		ug/L	50		94.6 70-140			
LCS Dup (B5D2802-BSD1)					Prepared & Analyzed: 04/28/15				
Benzene	20.4	0.50	ug/L	20		102 75-125	1.36	30	
Ethylbenzene	21.0	0.50	ug/L	20		105 75-125	0.286	30	
Methyl-tert-Butyl Ether (MTBE)	20.5	2.0	ug/L	20		102 75-125	11.9	30	
Toluene	20.4	0.50	ug/L	20		102 75-125	0.837	30	
o-Xylene	19.9	0.50	ug/L	20		99.5 75-125	12.0	30	
m,p-Xylenes	40.0	1.0	ug/L	40		99.9 75-125	7.77	30	
<i>Surrogate: 4-Bromofluorobenzene</i>	60.8		ug/L	50		122 70-140			
<i>Surrogate: Dibromofluoromethane</i>	47.6		ug/L	50		95.3 70-140			
<i>Surrogate: Toluene-d8</i>	50.9		ug/L	50		102 70-140			
Duplicate (B5D2802-DUP1)					Source: 5D27035-02 Prepared & Analyzed: 04/28/15				

Viorel Vasile
 Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331317
Date Received: 04/27/15
Date Reported: 05/04/15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control									
<i>Batch B5D2802 - *** DEFAULT PREP ***</i>									
Duplicate (B5D2802-DUP1) Continued Source: 5D27035-02 Prepared & Analyzed: 04/28/15									
Benzene	<0.50	0.50	ug/L		<0.50			30	
Ethylbenzene	<0.50	0.50	ug/L		<0.50			30	
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L		<2.0			30	
Toluene	<0.50	0.50	ug/L		<0.50			30	
o-Xylene	<0.50	0.50	ug/L		<0.50			30	
m,p-Xylenes	<1.0	1.0	ug/L		<1.0			30	
<i>Surrogate: 4-Bromofluorobenzene</i>	53.5		ug/L	50		107 70-140			
<i>Surrogate: Dibromofluoromethane</i>	46.3		ug/L	50		92.7 70-140			
<i>Surrogate: Toluene-d8</i>	54.9		ug/L	50		110 70-140			
Gasoline Range Organics in Vapor by GC/FID - Quality Control									
<i>Batch B5D2716 - *** DEFAULT PREP ***</i>									
Blank (B5D2716-BLK1) Prepared & Analyzed: 04/27/15									
Gasoline Range Organics (GRO)	<20	20	ug/L						
<i>Surrogate: a,a,a-Trifluorotoluene</i>	46.2		ug/L	50		92.4 70-130			
LCS (B5D2716-BS1) Prepared & Analyzed: 04/27/15									
Gasoline Range Organics (GRO)	533	20	ug/L	500		107 75-125			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	53.0		ug/L	50		106 70-130			
LCS Dup (B5D2716-BSD1) Prepared & Analyzed: 04/27/15									
Gasoline Range Organics (GRO)	536	20	ug/L	500		107 75-125	0.605	30	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	52.4		ug/L	50		105 70-130			
Duplicate (B5D2716-DUP1) Source: 5D27035-01 Prepared & Analyzed: 04/27/15									
Gasoline Range Organics (GRO)	378	20	ug/L		397			4.89	30
<i>Surrogate: a,a,a-Trifluorotoluene</i>	51.9		ug/L	50		104 70-130			
<i>Batch B5D2809 - *** DEFAULT PREP ***</i>									
Blank (B5D2809-BLK1) Prepared & Analyzed: 04/28/15									
Gasoline Range Organics (GRO)	<20	20	ug/L						
<i>Surrogate: a,a,a-Trifluorotoluene</i>	47.6		ug/L	50		95.3 70-130			
LCS (B5D2809-BS1) Prepared & Analyzed: 04/28/15									

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331317
Date Received: 04/27/15
Date Reported: 05/04/15

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
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Gasoline Range Organics in Vapor by GC/FID - Quality Control

*Batch B5D2809 - *** DEFAULT PREP ****

LCS (B5D2809-BS1) Continued

Prepared & Analyzed: 04/28/15

Gasoline Range Organics (GRO)	459	20	ug/L	500	91.9	75-125				
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Surrogate: a,a,a-Trifluorotoluene	48.1		ug/L	50	96.2	70-130				
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LCS Dup (B5D2809-BSD1)

Prepared & Analyzed: 04/28/15

Gasoline Range Organics (GRO)	510	20	ug/L	500	102	75-125	10.5	30		
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Surrogate: a,a,a-Trifluorotoluene	52.5		ug/L	50	105	70-130				
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Duplicate (B5D2809-DUP1)

Source: 5D27035-02 Prepared & Analyzed: 04/28/15

Gasoline Range Organics (GRO)	28.9	20	ug/L		29.6			2.45	30	
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Surrogate: a,a,a-Trifluorotoluene	57.0		ug/L	50	114	70-130				
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Duplicate (B5D2809-DUP2)

Source: 5D27036-10 Prepared & Analyzed: 04/28/15

Gasoline Range Organics (GRO)	273	20	ug/L		274			0.198	30	
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Surrogate: a,a,a-Trifluorotoluene	52.8		ug/L	50	106	70-130				
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Gasoline Range Organics in Vapor as Hexane - Quality Control

*Batch B5D2716 - *** DEFAULT PREP ****

Blank (B5D2716-BLK1)

Prepared & Analyzed: 04/27/15

GRO as Hexane	<20	20	ug/L							
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Surrogate: a,a,a-Trifluorotoluene	46.2		ug/L	50	92.4	70-130				
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LCS (B5D2716-BS1)

Prepared & Analyzed: 04/27/15

GRO as Hexane	533	20	ug/L	500	107	75-125				
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Surrogate: a,a,a-Trifluorotoluene	53.0		ug/L	50	106	70-130				
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LCS Dup (B5D2716-BSD1)

Prepared & Analyzed: 04/27/15

GRO as Hexane	536	20	ug/L	500	107	75-125	0.605	30		
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Surrogate: a,a,a-Trifluorotoluene	52.4		ug/L	50	105	70-130				
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Duplicate (B5D2716-DUP1)

Source: 5D27035-01 Prepared & Analyzed: 04/27/15

GRO as Hexane	378	20	ug/L		397			4.89	30	
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Surrogate: a,a,a-Trifluorotoluene	51.9		ug/L	50	104	70-130				
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*Batch B5D2809 - *** DEFAULT PREP ****

Blank (B5D2809-BLK1)

Prepared & Analyzed: 04/28/15

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331317
Date Received: 04/27/15
Date Reported: 05/04/15

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Notes
Gasoline Range Organics in Vapor as Hexane - Quality Control									
<i>Batch B5D2809 - *** DEFAULT PREP ***</i>									
Blank (B5D2809-BLK1) Continued					Prepared & Analyzed: 04/28/15				
GRO as Hexane	<20	20	ug/L						
Surrogate: a,a,a-Trifluorotoluene	47.6		ug/L	50		95.3 70-130			
LCS (B5D2809-BS1)					Prepared & Analyzed: 04/28/15				
GRO as Hexane	459	20	ug/L	500		91.9 75-125			
Surrogate: a,a,a-Trifluorotoluene	48.1		ug/L	50		96.2 70-130			
LCS Dup (B5D2809-BSD1)					Prepared & Analyzed: 04/28/15				
GRO as Hexane	510	20	ug/L	500		102 75-125	10.5	30	
Surrogate: a,a,a-Trifluorotoluene	52.5		ug/L	50		105 70-130			
Duplicate (B5D2809-DUP1)					Source: 5D27035-02 Prepared & Analyzed: 04/28/15				
GRO as Hexane	28.9	20	ug/L		29.6		2.45	30	
Surrogate: a,a,a-Trifluorotoluene	57.0		ug/L	50		114 70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331317
Date Received: 04/27/15
Date Reported: 05/04/15

Special Notes

Viorel Vasile
Operations Manager



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

May 04, 2015

Neil Irish

The Source Group, Inc. (SH)
1962 Freeman Ave.
Signal Hill, CA 90755

**Re : DFSP Norwalk VES AQMD / 04-NDLA-001
A5331319 / 5D27037**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 04/27/15 14:02 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331319
Date Received: 04/27/15
Date Reported: 05/04/15

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
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VOCs BTEX/MTBE Vapor GC/MS

Influent	5D27037-01	Vapor	5	04/27/15 08:09	04/27/15 14:02
Effluent	5D27037-02	Vapor	5	04/27/15 08:00	04/27/15 14:02

VOCs Gasoline Range Organics Vapor

Influent	5D27037-01	Vapor	5	04/27/15 08:09	04/27/15 14:02
Effluent	5D27037-02	Vapor	5	04/27/15 08:00	04/27/15 14:02

VOCs GRO Vapor as Hexane

Influent	5D27037-01	Vapor	5	04/27/15 08:09	04/27/15 14:02
Effluent	5D27037-02	Vapor	5	04/27/15 08:00	04/27/15 14:02

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: VOCs BTEX/MTBE Vapor by GC/MS 8260M

AA Project No: A5331319
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

Influent**5D27037-01 (Vapor)**

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	2.0	ug/L	0.50	0.63	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
Dibromofluoromethane
Toluene-d8

104 %
89.9 %
103 %

70-140
70-140
70-140

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 0.5
Method: VOCs BTEX/MTBE Vapor by GC/MS 8260M

AA Project No: A5331319
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

Effluent**5D27037-02 (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
Dibromofluoromethane
Toluene-d8

120 %
95.6 %
108 %

70-140
70-140
70-140

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor by GC/FID

AA Project No: A5331319
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

Influent**5D27037-01 (Vapor)**

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	580	ug/L	20	140	ppmv	4.9
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		101 %			70-130	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor by GC/FID

AA Project No: A5331319
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

Effluent**5D27037-02 (Vapor)**

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	30	ug/L	20	7.3	ppmv	4.9
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		109 %			70-130	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor as Hexane

AA Project No: A5331319
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

Influent**5D27037-01 (Vapor)**

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	580	ug/L	20	160	ppmv	5.7
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		101 %			70-130	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor as Hexane

AA Project No: A5331319
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

Effluent**5D27037-02 (Vapor)**

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	30	ug/L	20	8.5	ppmv	5.7
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		109 %			70-130	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331319
Date Received: 04/27/15
Date Reported: 05/04/15

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Notes
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VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control

Batch B5D2802 - *** DEFAULT PREP ***

Blank (B5D2802-BLK1)

Prepared & Analyzed: 04/28/15

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	53.3		ug/L	50		107	70-140		
Surrogate: Dibromofluoromethane	46.9		ug/L	50		93.9	70-140		
Surrogate: Toluene-d8	54.1		ug/L	50		108	70-140		

LCS (B5D2802-BS1)

Prepared & Analyzed: 04/28/15

Benzene	20.7	0.50	ug/L	20		103	75-125		
Ethylbenzene	21.0	0.50	ug/L	20		105	75-125		
Methyl-tert-Butyl Ether (MTBE)	18.2	2.0	ug/L	20		91.0	75-125		
Toluene	20.2	0.50	ug/L	20		101	75-125		
o-Xylene	22.4	0.50	ug/L	20		112	75-125		
m,p-Xylenes	43.2	1.0	ug/L	40		108	75-125		

Surrogate: 4-Bromofluorobenzene	48.0		ug/L	50		96.1	70-140		
Surrogate: Dibromofluoromethane	53.2		ug/L	50		106	70-140		
Surrogate: Toluene-d8	47.3		ug/L	50		94.6	70-140		

LCS Dup (B5D2802-BSD1)

Prepared & Analyzed: 04/28/15

Benzene	20.4	0.50	ug/L	20		102	75-125	1.36	30
Ethylbenzene	21.0	0.50	ug/L	20		105	75-125	0.286	30
Methyl-tert-Butyl Ether (MTBE)	20.5	2.0	ug/L	20		102	75-125	11.9	30
Toluene	20.4	0.50	ug/L	20		102	75-125	0.837	30
o-Xylene	19.9	0.50	ug/L	20		99.5	75-125	12.0	30
m,p-Xylenes	40.0	1.0	ug/L	40		99.9	75-125	7.77	30

Surrogate: 4-Bromofluorobenzene	60.8		ug/L	50		122	70-140		
Surrogate: Dibromofluoromethane	47.6		ug/L	50		95.3	70-140		
Surrogate: Toluene-d8	50.9		ug/L	50		102	70-140		

Duplicate (B5D2802-DUP1)

Source: 5D27035-02 Prepared & Analyzed: 04/28/15

Viorel Vasile
 Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331319
Date Received: 04/27/15
Date Reported: 05/04/15

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
<i>Batch B5D2802 - *** DEFAULT PREP ***</i>										
Duplicate (B5D2802-DUP1) Continued Source: 5D27035-02 Prepared & Analyzed: 04/28/15										
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	
<i>Surrogate: 4-Bromofluorobenzene</i>	53.5		ug/L	50		107	70-140			
<i>Surrogate: Dibromofluoromethane</i>	46.3		ug/L	50		92.7	70-140			
<i>Surrogate: Toluene-d8</i>	54.9		ug/L	50		110	70-140			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
<i>Batch B5D2809 - *** DEFAULT PREP ***</i>										
Blank (B5D2809-BLK1) Prepared & Analyzed: 04/28/15										
Gasoline Range Organics (GRO)	<20	20	ug/L							
<i>Surrogate: a,a,a-Trifluorotoluene</i>	47.6		ug/L	50		95.3	70-130			
LCS (B5D2809-BS1) Prepared & Analyzed: 04/28/15										
Gasoline Range Organics (GRO)	459	20	ug/L	500		91.9	75-125			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	48.1		ug/L	50		96.2	70-130			
LCS Dup (B5D2809-BSD1) Prepared & Analyzed: 04/28/15										
Gasoline Range Organics (GRO)	510	20	ug/L	500		102	75-125	10.5	30	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	52.5		ug/L	50		105	70-130			
Duplicate (B5D2809-DUP1) Source: 5D27035-02 Prepared & Analyzed: 04/28/15										
Gasoline Range Organics (GRO)	28.9	20	ug/L			29.6		2.45	30	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	57.0		ug/L	50		114	70-130			
Duplicate (B5D2809-DUP2) Source: 5D27036-10 Prepared & Analyzed: 04/28/15										
Gasoline Range Organics (GRO)	273	20	ug/L			274		0.198	30	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	52.8		ug/L	50		106	70-130			

Gasoline Range Organics in Vapor as Hexane - Quality Control*Batch B5D2809 - *** DEFAULT PREP ****

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331319
Date Received: 04/27/15
Date Reported: 05/04/15

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD RPD	Limit	Notes
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Gasoline Range Organics in Vapor as Hexane - Quality Control

*Batch B5D2809 - *** DEFAULT PREP ****

Blank (B5D2809-BLK1)

Prepared & Analyzed: 04/28/15

GRO as Hexane	<20	20	ug/L							
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Surrogate: a,a,a-Trifluorotoluene	47.6		ug/L	50		95.3	70-130			
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LCS (B5D2809-BS1)

Prepared & Analyzed: 04/28/15

GRO as Hexane	459	20	ug/L	500		91.9	75-125			
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Surrogate: a,a,a-Trifluorotoluene	48.1		ug/L	50		96.2	70-130			
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LCS Dup (B5D2809-BSD1)

Prepared & Analyzed: 04/28/15

GRO as Hexane	510	20	ug/L	500		102	75-125	10.5	30	
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Surrogate: a,a,a-Trifluorotoluene	52.5		ug/L	50		105	70-130			
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Duplicate (B5D2809-DUP1)

Source: 5D27035-02 Prepared & Analyzed: 04/28/15

GRO as Hexane	28.9	20	ug/L		29.6			2.45	30	
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Surrogate: a,a,a-Trifluorotoluene	57.0		ug/L	50		114	70-130			
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Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331319
Date Received: 04/27/15
Date Reported: 05/04/15

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

122382

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.: 04-NDLA-001
 Fax: 569-597-1070 State & Zip: CA 90650 Quote No.:

TAT Turnaround Codes™

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

ANALYSIS REQUESTED (Test Name)

Client I.D.	Date	Time	Sample Matrix	No. of Cont.	Please enter the TAT Turnaround Codes™ below			Special Instructions
					Total VOCs Gas 8019	Total VOCs Hexane 8215	TEX/MTBE 829B	
Influent	4-27-15	0809	Air	1	✓	✓		
Effluent	"	0800	Air	1	✓	✓		

Client I.D.	Date	Time	Relinquished by	Date	Time	Received by
AS331319 / 5527037	4-27-15	12:40	<i>Glenn Androsko</i>	4-27-15	12:40	<i>Glenn Androsko</i>

PRIORITY
 15 Mins
 14:30am
 15 APR 27 14:32

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.



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

May 04, 2015

Neil Irish

The Source Group, Inc. (SH)
1962 Freeman Ave.
Signal Hill, CA 90755

**Re : DFSP Norwalk VES AQMD / 04-NDLA-001
A5331318 / 5D27036**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 04/27/15 14:02 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331318
Date Received: 04/27/15
Date Reported: 05/04/15

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
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VOCs BTEX/MTBE Vapor GC/MS

VEW-32	5D27036-01	Vapor	5	04/27/15 10:05	04/27/15 14:02
VEW-33	5D27036-02	Vapor	5	04/27/15 10:16	04/27/15 14:02
VEW-34	5D27036-03	Vapor	5	04/27/15 10:27	04/27/15 14:02
VEW-35	5D27036-04	Vapor	5	04/27/15 10:42	04/27/15 14:02
VEW-36	5D27036-05	Vapor	5	04/27/15 10:52	04/27/15 14:02
VEW-37	5D27036-06	Vapor	5	04/27/15 12:27	04/27/15 14:02
HW-1	5D27036-07	Vapor	5	04/27/15 08:29	04/27/15 14:02
HW-3	5D27036-08	Vapor	5	04/27/15 08:32	04/27/15 14:02
HW-5	5D27036-09	Vapor	5	04/27/15 08:35	04/27/15 14:02
HW-7	5D27036-10	Vapor	5	04/27/15 08:38	04/27/15 14:02

VOCs Gasoline Range Organics Vapor

VEW-32	5D27036-01	Vapor	5	04/27/15 10:05	04/27/15 14:02
VEW-33	5D27036-02	Vapor	5	04/27/15 10:16	04/27/15 14:02
VEW-34	5D27036-03	Vapor	5	04/27/15 10:27	04/27/15 14:02
VEW-35	5D27036-04	Vapor	5	04/27/15 10:42	04/27/15 14:02
VEW-36	5D27036-05	Vapor	5	04/27/15 10:52	04/27/15 14:02
VEW-37	5D27036-06	Vapor	5	04/27/15 12:27	04/27/15 14:02
HW-1	5D27036-07	Vapor	5	04/27/15 08:29	04/27/15 14:02

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331318
Date Received: 04/27/15
Date Reported: 05/04/15

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
HW-3	5D27036-08	Vapor	5	04/27/15 08:32	04/27/15 14:02
HW-5	5D27036-09	Vapor	5	04/27/15 08:35	04/27/15 14:02
HW-7	5D27036-10	Vapor	5	04/27/15 08:38	04/27/15 14:02

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: VOCs BTEX/MTBE Vapor by GC/MS 8260M

AA Project No: A5331318
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

VEW-32**5D27036-01 (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

<u>Surrogates</u>	<u>%REC</u>	<u>%REC Limits</u>
4-Bromofluorobenzene	104 %	70-140
Dibromofluoromethane	107 %	70-140
Toluene-d8	93.2 %	70-140

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: VOCs BTEX/MTBE Vapor by GC/MS 8260M

AA Project No: A5331318
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

VEW-33**5D27036-02 (Vapor)**

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

<u>Surrogates</u>	<u>%REC</u>	<u>%REC Limits</u>
4-Bromofluorobenzene	103 %	70-140
Dibromofluoromethane	108 %	70-140
Toluene-d8	99.5 %	70-140

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: VOCs BTEX/MTBE Vapor by GC/MS 8260M

AA Project No: A5331318
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

VEW-34**5D27036-03 (Vapor)**

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

<u>Surrogates</u>	<u>%REC</u>	<u>%REC Limits</u>
4-Bromofluorobenzene	103 %	70-140
Dibromofluoromethane	110 %	70-140
Toluene-d8	101 %	70-140

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: VOCs BTEX/MTBE Vapor by GC/MS 8260M

AA Project No: A5331318
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

VEW-35**5D27036-04 (Vapor)**

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

<u>Surrogates</u>	<u>%REC</u>	<u>%REC Limits</u>
4-Bromofluorobenzene	103 %	70-140
Dibromofluoromethane	105 %	70-140
Toluene-d8	105 %	70-140

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: VOCs BTEX/MTBE Vapor by GC/MS 8260M

AA Project No: A5331318
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

VEW-36**5D27036-05 (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

<u>Surrogates</u>	<u>%REC</u>	<u>%REC Limits</u>
4-Bromofluorobenzene	106 %	70-140
Dibromofluoromethane	116 %	70-140
Toluene-d8	98.2 %	70-140

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: VOCs BTEX/MTBE Vapor by GC/MS 8260M

AA Project No: A5331318
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

VEW-37**5D27036-06 (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

<u>Surrogates</u>	<u>%REC</u>	<u>%REC Limits</u>
4-Bromofluorobenzene	101 %	70-140
Dibromofluoromethane	112 %	70-140
Toluene-d8	96.4 %	70-140

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: VOCs BTEX/MTBE Vapor by GC/MS 8260M

AA Project No: A5331318
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

HW-1**5D27036-07 (Vapor)**

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	3.5	ug/L	0.50	1.1	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
Dibromofluoromethane
Toluene-d8

104 %
109 %
92.0 %

70-140
70-140
70-140

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: VOCs BTEX/MTBE Vapor by GC/MS 8260M

AA Project No: A5331318
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

HW-3**5D27036-08 (Vapor)**

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	11	ug/L	0.50	3.4	ppmv	0.16
Ethylbenzene	1.4	ug/L	0.50	0.32	ppmv	0.12
Methyl-tert-Butyl Ether (MTBE)	<2.0	ug/L	2.0	<0.55	ppmv	0.55
Toluene	2.6	ug/L	0.50	0.69	ppmv	0.13
o-Xylene	0.88	ug/L	0.50	0.20	ppmv	0.12
m,p-Xylenes	5.0	ug/L	1.0	1.2	ppmv	0.23

<u>Surrogates</u>	<u>%REC</u>	<u>%REC Limits</u>
4-Bromofluorobenzene	104 %	70-140
Dibromofluoromethane	109 %	70-140
Toluene-d8	98.5 %	70-140

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: VOCs BTEX/MTBE Vapor by GC/MS 8260M

AA Project No: A5331318
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

HW-5**5D27036-09 (Vapor)**

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	0.55	ug/L	0.50	0.17	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	1.3	ug/L	1.0	0.30	ppmv	0.23

<u>Surrogates</u>	<u>%REC</u>	<u>%REC Limits</u>
4-Bromofluorobenzene	101 %	70-140
Dibromofluoromethane	112 %	70-140
Toluene-d8	99.4 %	70-140

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: VOCs BTEX/MTBE Vapor by GC/MS 8260M

AA Project No: A5331318
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

HW-7**5D27036-10 (Vapor)**

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	0.88	ug/L	0.50	0.28	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
Dibromofluoromethane
Toluene-d8

103 %
107 %
103 %

70-140
70-140
70-140

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor by GC/FID

AA Project No: A5331318
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

VEW-32**5D27036-01 (Vapor)**

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	1300	ug/L	20	320	ppmv	4.9
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		101 %			70-130	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor by GC/FID

AA Project No: A5331318
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

VEW-33**5D27036-02 (Vapor)**

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	1100	ug/L	20	270	ppmv	4.9
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		109 %			70-130	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor by GC/FID

AA Project No: A5331318
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

VEW-34**5D27036-03 (Vapor)**

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	180	ug/L	20	44	ppmv	4.9
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		104 %			70-130	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor by GC/FID

AA Project No: A5331318
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

VEW-35**5D27036-04 (Vapor)**

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	<20	ug/L	20	<4.9	ppmv	4.9
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		108 %			70-130	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor by GC/FID

AA Project No: A5331318
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

VEW-36**5D27036-05 (Vapor)**

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	<20	ug/L	20	<4.9	ppmv	4.9
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		108 %			70-130	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor by GC/FID

AA Project No: A5331318
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

VEW-37**5D27036-06 (Vapor)**

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	<20	ug/L	20	<4.9	ppmv	4.9
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		112 %			70-130	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor by GC/FID

AA Project No: A5331318
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

HW-1**5D27036-07 (Vapor)**

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	3400	ug/L	20	830	ppmv	4.9
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		100 %			70-130	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor by GC/FID

AA Project No: A5331318
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

HW-3**5D27036-08 (Vapor)**

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	2400	ug/L	20	590	ppmv	4.9
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		102 %			70-130	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor by GC/FID

AA Project No: A5331318
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

HW-5**5D27036-09 (Vapor)**

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	1200	ug/L	20	290	ppmv	4.9
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		101 %			70-130	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor by GC/FID

AA Project No: A5331318
Date Received: 04/27/15
Date Reported: 05/04/15
Sampled: 04/27/15
Prepared: 04/28/15
Analyzed: 04/28/15

HW-7**5D27036-10 (Vapor)**

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	270	ug/L	20	66	ppmv	4.9
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		106 %			70-130	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331318
Date Received: 04/27/15
Date Reported: 05/04/15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Notes
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VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control

Batch B5D2802 - *** DEFAULT PREP ***

Blank (B5D2802-BLK1)

Prepared & Analyzed: 04/28/15

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	53.3		ug/L	50		107 70-140			
Surrogate: Dibromofluoromethane	46.9		ug/L	50		93.9 70-140			
Surrogate: Toluene-d8	54.1		ug/L	50		108 70-140			

LCS (B5D2802-BS1)

Prepared & Analyzed: 04/28/15

Benzene	20.7	0.50	ug/L	20		103 75-125			
Ethylbenzene	21.0	0.50	ug/L	20		105 75-125			
Methyl-tert-Butyl Ether (MTBE)	18.2	2.0	ug/L	20		91.0 75-125			
Toluene	20.2	0.50	ug/L	20		101 75-125			
o-Xylene	22.4	0.50	ug/L	20		112 75-125			
m,p-Xylenes	43.2	1.0	ug/L	40		108 75-125			

Surrogate: 4-Bromofluorobenzene	48.0		ug/L	50		96.1 70-140			
Surrogate: Dibromofluoromethane	53.2		ug/L	50		106 70-140			
Surrogate: Toluene-d8	47.3		ug/L	50		94.6 70-140			

LCS Dup (B5D2802-BSD1)

Prepared & Analyzed: 04/28/15

Benzene	20.4	0.50	ug/L	20		102 75-125	1.36	30	
Ethylbenzene	21.0	0.50	ug/L	20		105 75-125	0.286	30	
Methyl-tert-Butyl Ether (MTBE)	20.5	2.0	ug/L	20		102 75-125	11.9	30	
Toluene	20.4	0.50	ug/L	20		102 75-125	0.837	30	
o-Xylene	19.9	0.50	ug/L	20		99.5 75-125	12.0	30	
m,p-Xylenes	40.0	1.0	ug/L	40		99.9 75-125	7.77	30	

Surrogate: 4-Bromofluorobenzene	60.8		ug/L	50		122 70-140			
Surrogate: Dibromofluoromethane	47.6		ug/L	50		95.3 70-140			
Surrogate: Toluene-d8	50.9		ug/L	50		102 70-140			

Duplicate (B5D2802-DUP1)

Source: 5D27035-02 Prepared & Analyzed: 04/28/15

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331318
Date Received: 04/27/15
Date Reported: 05/04/15

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD RPD	Limit	Notes
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VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control

Batch B5D2802 - *** DEFAULT PREP ***

Duplicate (B5D2802-DUP1) Continued Source: 5D27035-02 Prepared & Analyzed: 04/28/15

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	53.5		ug/L	50		107	70-140			
Surrogate: Dibromofluoromethane	46.3		ug/L	50		92.7	70-140			
Surrogate: Toluene-d8	54.9		ug/L	50		110	70-140			

Gasoline Range Organics in Vapor by GC/FID - Quality Control

Batch B5D2809 - *** DEFAULT PREP ***

Blank (B5D2809-BLK1) Prepared & Analyzed: 04/28/15

Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	47.6		ug/L	50		95.3	70-130			

LCS (B5D2809-BS1) Prepared & Analyzed: 04/28/15

Gasoline Range Organics (GRO)	459	20	ug/L	500		91.9	75-125			
Surrogate: a,a,a-Trifluorotoluene	48.1		ug/L	50		96.2	70-130			

LCS Dup (B5D2809-BSD1) Prepared & Analyzed: 04/28/15

Gasoline Range Organics (GRO)	510	20	ug/L	500		102	75-125	10.5	30	
Surrogate: a,a,a-Trifluorotoluene	52.5		ug/L	50		105	70-130			

Duplicate (B5D2809-DUP1) Source: 5D27035-02 Prepared & Analyzed: 04/28/15

Gasoline Range Organics (GRO)	28.9	20	ug/L			29.6		2.45	30	
Surrogate: a,a,a-Trifluorotoluene	57.0		ug/L	50		114	70-130			

Duplicate (B5D2809-DUP2) Source: 5D27036-10 Prepared & Analyzed: 04/28/15

Gasoline Range Organics (GRO)	273	20	ug/L			274		0.198	30	
Surrogate: a,a,a-Trifluorotoluene	52.8		ug/L	50		106	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331318
Date Received: 04/27/15
Date Reported: 05/04/15

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

122381

Page 1 of 1

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.:** 04-ADLA-001
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.	Date	Time	Sample Matrix	No. of Cont	Please enter the TAT Turnaround Codes ** below		Special Instructions
					Total VOCs as Gas	BTEX/MTBE	
VEW-32	4-27-15	1005	Air	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VEW-33		1016	Air	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VEW-34		1027	Air	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VEW-35		1042	Air	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VEW-36		1052	Air	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VEW-37		1227	Air	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
HW-1		0829	Air	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
HW-3		0832	Air	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
HW-5		0835	Air	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
HW-7		0838	Air	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

PRIORITY

Rush Hrs SH
 Date 4/27/15 Time 1402 Sign *[Signature]*

Relinquished by	Date	Time	Received by
<i>Glenn Androsko</i>	4-27-15	12:40	<i>[Signature]</i>
<i>[Signature]</i>	4/27/15	14:02	<i>[Signature]</i>
<i>[Signature]</i>			<i>[Signature]</i>

AS331318 / 5527036

Note: By relinquishing samples to American Analytcs, 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 Analytcs.



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

May 19, 2015

Neil Irish

The Source Group, Inc. (SH)
1962 Freeman Ave.
Signal Hill, CA 90755

**Re : DFSP Norwalk GWETS NPDES Monthly / 04-NDLA-001
A5331340 / 5E11016**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 05/11/15 14:02 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GWETS NPDES Monthly

AA Project No: A5331340
Date Received: 05/11/15
Date Reported: 05/19/15

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
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8260B TPHGASOLINEBTEXOXY

Surge Tank	5E11016-01	Water	5	05/11/15 11:28	05/11/15 14:02
After GAC-1	5E11016-02	Water	5	05/11/15 11:24	05/11/15 14:02
After GAC-2	5E11016-03	Water	5	05/11/15 11:21	05/11/15 14:02

Arsenic Total EPA 200.7

Surge Tank	5E11016-01	Water	5	05/11/15 11:28	05/11/15 14:02
After Bed-1	5E11016-04	Water	5	05/11/15 11:18	05/11/15 14:02

Diesel Range Organics 8015M

Surge Tank	5E11016-01	Water	5	05/11/15 11:28	05/11/15 14:02
After GAC-1	5E11016-02	Water	5	05/11/15 11:24	05/11/15 14:02
After GAC-2	5E11016-03	Water	5	05/11/15 11:21	05/11/15 14:02

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GWETS NPDES Monthly
Method: TPHG/BTEX/Oxygenates by GC/MS

AA Project No: A5331340
Date Received: 05/11/15
Date Reported: 05/19/15
Units: ug/L

Date Sampled:	05/11/15	05/11/15	05/11/15		
Date Prepared:	05/13/15	05/13/15	05/13/15		
Date Analyzed:	05/13/15	05/13/15	05/13/15		
AA ID No:	5E11016-01	5E11016-02	5E11016-03		
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	16	<0.20	<0.20	0.20	0.50
tert-Butyl alcohol (TBA)	<7.0	9.2 J	<7.0	7.0	10
Diisopropyl ether (DIPE)	<0.50	<0.50	<0.50	0.50	2.0
Ethylbenzene	5.9	<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)	330	<40	<40	40	100
Methyl-tert-Butyl Ether (MTBE)	0.58 J	0.76 J	<0.40	0.40	2.0
Toluene	5.2	<0.30	<0.30	0.30	0.50
o-Xylene	14	<0.30	<0.30	0.30	0.50
m,p-Xylenes	37	<0.40	<0.40	0.40	1.0

Surrogates

				%REC Limits
4-Bromofluorobenzene	100%	100%	101%	70-140
Dibromofluoromethane	104%	111%	110%	70-140
Toluene-d8	98%	96%	100%	70-140

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GWETS NPDES Monthly
Method: Diesel Range Organics by GC/FID

AA Project No: A5331340
Date Received: 05/11/15
Date Reported: 05/19/15
Units: ug/L

Date Sampled:	05/11/15	05/11/15	05/11/15		
Date Prepared:	05/15/15	05/15/15	05/15/15		
Date Analyzed:	05/15/15	05/15/15	05/15/15		
AA ID No:	5E11016-01	5E11016-02	5E11016-03		
Client ID No:	Surge Tank	After GAC-1	After GAC-2		
Matrix:	Water	Water	Water		
Dilution Factor:	1	1	1	MDL	MRL

Diesel Range Organics 8015M (EPA 8015M)

Diesel Range Organics as Diesel	<60	<60	<60	60	100
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Surrogates

o-Terphenyl	91%	73%	89%	<u>%REC Limits</u>	50-150
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Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GWETS NPDES Monthly
Method: Total Metals by ICP Atomic Emission Spectroscopy

AA Project No: A5331340
Date Received: 05/11/15
Date Reported: 05/19/15

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
<u>Arsenic Total EPA 200.7 (EPA 200.7)</u>									
5E11016-01	Surge Tank	05/11/15	05/12/15	05/12/15	1	0.065	mg/L	0.006	0.007
5E11016-04	After Bed-1	05/11/15	05/12/15	05/12/15	1	0.041	mg/L	0.006	0.007

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GWETS NPDES Monthly

AA Project No: A5331340
Date Received: 05/11/15
Date Reported: 05/19/15

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD RPD	Limit	Notes
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TPHG/BTEX/Oxygenates by GC/MS - Quality Control

Batch B5E1302 - EPA 5030B

Blank (B5E1302-BLK1)

Prepared & Analyzed: 05/13/15

tert-Amyl Methyl Ether (TAME)	<0.30	0.30	ug/L							
Benzene	<0.20	0.20	ug/L							
tert-Butyl alcohol (TBA)	<7.0	7.0	ug/L							
Diisopropyl ether (DIPE)	<0.50	0.50	ug/L							
Ethylbenzene	<0.20	0.20	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<0.40	0.40	ug/L							
Gasoline Range Organics (GRO)	<40	40	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<0.40	0.40	ug/L							
Toluene	<0.30	0.30	ug/L							
o-Xylene	<0.30	0.30	ug/L							
m,p-Xylenes	<0.40	0.40	ug/L							

Surrogate: 4-Bromofluorobenzene	49.7		ug/L	50		99.4	70-140			
Surrogate: Dibromofluoromethane	53.5		ug/L	50		107	70-140			
Surrogate: Toluene-d8	47.0		ug/L	50		94.0	70-140			

LCS (B5E1302-BS1)

Prepared & Analyzed: 05/13/15

Benzene	20.0	0.20	ug/L	20		100	75-125			
Ethylbenzene	21.8	0.20	ug/L	20		109	75-125			
Methyl-tert-Butyl Ether (MTBE)	19.3	0.40	ug/L	20		96.6	70-135			
Toluene	22.4	0.30	ug/L	20		112	75-125			
o-Xylene	22.1	0.30	ug/L	20		111	75-125			

Surrogate: 4-Bromofluorobenzene	50.6		ug/L	50		101	70-140			
Surrogate: Dibromofluoromethane	48.6		ug/L	50		97.2	70-140			
Surrogate: Toluene-d8	48.9		ug/L	50		97.9	70-140			

Matrix Spike (B5E1302-MS1)

Source: 5E12005-01 Prepared & Analyzed: 05/13/15

Benzene	21.2	0.20	ug/L	20		106	70-130			
Ethylbenzene	22.2	0.20	ug/L	20		111	70-130			
Methyl-tert-Butyl Ether (MTBE)	21.1	0.40	ug/L	20		106	70-130			
Toluene	22.8	0.30	ug/L	20		114	70-130			

Surrogate: 4-Bromofluorobenzene	51.0		ug/L	50		102	70-140			
Surrogate: Dibromofluoromethane	50.2		ug/L	50		100	70-140			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GWETS NPDES Monthly

AA Project No: A5331340
Date Received: 05/11/15
Date Reported: 05/19/15

Analyte	Reporting Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Notes
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TPHG/BTEX/Oxygenates by GC/MS - Quality Control

Batch B5E1302 - EPA 5030B

Matrix Spike (B5E1302-MS1) Continued Source: 5E12005-01 Prepared & Analyzed: 05/13/15

Surrogate: Toluene-d8 48.6 ug/L 50 97.1 70-140

Matrix Spike Dup (B5E1302-MSD1) Source: 5E12005-01 Prepared & Analyzed: 05/13/15

Benzene	20.6	0.20	ug/L	20	103	70-130	3.16	30
Ethylbenzene	21.2	0.20	ug/L	20	106	70-130	4.88	30
Methyl-tert-Butyl Ether (MTBE)	22.3	0.40	ug/L	20	111	70-130	5.21	30
Toluene	21.7	0.30	ug/L	20	108	70-130	4.99	30

Surrogate: 4-Bromofluorobenzene 50.7 ug/L 50 101 70-140

Surrogate: Dibromofluoromethane 52.3 ug/L 50 105 70-140

Surrogate: Toluene-d8 48.1 ug/L 50 96.1 70-140

Diesel Range Organics by GC/FID - Quality Control

Batch B5E1502 - EPA 3510C

Blank (B5E1502-BLK1) Prepared & Analyzed: 05/15/15

Diesel Range Organics as Diesel <60 60 ug/L

Surrogate: o-Terphenyl 39.9 ug/L 40 99.8 50-150

LCS (B5E1502-BS1) Prepared & Analyzed: 05/15/15

Diesel Range Organics as Diesel 602 60 ug/L 800 75.3 75-125 30

Surrogate: o-Terphenyl 38.8 ug/L 40 96.9 50-150

LCS Dup (B5E1502-BSD1) Prepared & Analyzed: 05/15/15

Diesel Range Organics as Diesel 670 60 ug/L 800 83.8 75-125 10.6 30

Surrogate: o-Terphenyl 51.4 ug/L 40 128 50-150

Total Metals by ICP Atomic Emission Spectroscopy - Quality Control

Batch B5E1204 - EPA 3010A

Blank (B5E1204-BLK1) Prepared & Analyzed: 05/12/15

Arsenic <0.0060 0.0060 mg/L

LCS (B5E1204-BS1) Prepared & Analyzed: 05/12/15

Arsenic 0.173 0.0060 mg/L 0.20 86.4 80-120 20

LCS Dup (B5E1204-BSD1) Prepared & Analyzed: 05/12/15

Arsenic 0.175 0.0060 mg/L 0.20 87.7 80-120 1.49 20

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GWETS NPDES Monthly

AA Project No: A5331340
Date Received: 05/11/15
Date Reported: 05/19/15

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Metals by ICP Atomic Emission Spectroscopy - Quality Control										
<i>Batch B5E1204 - EPA 3010A</i>										
Matrix Spike (B5E1204-MS1) Source: 5E11016-01 Prepared & Analyzed: 05/12/15										
Arsenic	0.267	0.0060	mg/L	0.20	0.0650	101	75-125		20	
Matrix Spike Dup (B5E1204-MSD1) Source: 5E11016-01 Prepared & Analyzed: 05/12/15										
Arsenic	0.271	0.0060	mg/L	0.20	0.0650	103	75-125	1.49	20	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GWETS NPDES Monthly

AA Project No: A5331340
Date Received: 05/11/15
Date Reported: 05/19/15

Special Notes

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

Viorel Vasile
Operations Manager



AMERICAN ANALYTICALS CHAIN-OF-CUSTODY RECORD

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

122493

Page 1 of 1

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.: 04-NDLA-001
 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.	Date	Time	Sample Matrix	No. of Cont.	Please enter the TAT Turnaround Codes ** below				Special Instructions
					TPHd 8015M	TPHg/BTEX/Oxys 8208B	Arsenic 2007		
Surge Tank	5E11016-01	1128	Water	4	✓	✓			
After GAC-1	2	1124	Water	3	✓				
After GAC-2		1121	Water	3	✓				
After Bed-1		1118	Water	1	✓				

Relinquished by <i>Glenn Androsko</i>	Date	Received by <i>Glenn Androsko</i>
	5-11-15	12:45
Relinquished by <i>Glenn Androsko</i>	Date	Received by <i>Glenn Androsko</i>
	5/11/15	1402
Relinquished by	Date	Received by

A5331340/5E11016

Note: By relinquishing samples to American Analyticals, 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 Analyticals.



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

June 08, 2015

Neil Irish

The Source Group, Inc. (SH)
1962 Freeman Ave.
Signal Hill, CA 90755

**Re : DFSP Norwalk VES AQMD / 04-NDLA-001
A5331358 / 5E29009**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 05/29/15 15:30 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-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331358
Date Received: 05/29/15
Date Reported: 06/08/15

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
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VOCs BTEX/MTBE Vapor GC/MS

After GAC-1	5E29009-01	Vapor	5	05/29/15 11:09	05/29/15 15:30
After GAC-2	5E29009-02	Vapor	5	05/29/15 11:02	05/29/15 15:30

VOCs Gasoline Range Organics Vapor

After GAC-1	5E29009-01	Vapor	5	05/29/15 11:09	05/29/15 15:30
After GAC-2	5E29009-02	Vapor	5	05/29/15 11:02	05/29/15 15:30

VOCs GRO Vapor as Hexane

After GAC-1	5E29009-01	Vapor	5	05/29/15 11:09	05/29/15 15:30
After GAC-2	5E29009-02	Vapor	5	05/29/15 11:02	05/29/15 15:30

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: VOCs BTEX/MTBE Vapor by GC/MS 8260M

AA Project No: A5331358
Date Received: 05/29/15
Date Reported: 06/08/15
Sampled: 05/29/15
Prepared: 05/29/15
Analyzed: 05/29/15

After GAC-1**5E29009-01 (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
Dibromofluoromethane
Toluene-d8

109 %
115 %
109 %

70-140
70-140
70-140

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: VOCs BTEX/MTBE Vapor by GC/MS 8260M

AA Project No: A5331358
Date Received: 05/29/15
Date Reported: 06/08/15
Sampled: 05/29/15
Prepared: 05/29/15
Analyzed: 05/29/15

After GAC-2**5E29009-02 (Vapor)**

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

<u>Surrogates</u>	<u>%REC</u>	<u>%REC Limits</u>
4-Bromofluorobenzene	111 %	70-140
Dibromofluoromethane	110 %	70-140
Toluene-d8	107 %	70-140

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor by GC/FID

AA Project No: A5331358
Date Received: 05/29/15
Date Reported: 06/08/15
Sampled: 05/29/15
Prepared: 05/29/15
Analyzed: 05/29/15

After GAC-1

5E29009-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	56	ug/L	20	14	ppmv	4.9
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		115 %			70-130	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor by GC/FID

AA Project No: A5331358
Date Received: 05/29/15
Date Reported: 06/08/15
Sampled: 05/29/15
Prepared: 05/29/15
Analyzed: 05/29/15

After GAC-2

5E29009-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	38	ug/L	20	9.3	ppmv	4.9
Surrogates		%REC			%REC Limits	
a,a,a-Trifluorotoluene		113 %			70-130	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor as Hexane

AA Project No: A5331358
Date Received: 05/29/15
Date Reported: 06/08/15
Sampled: 05/29/15
Prepared: 05/29/15
Analyzed: 05/29/15

After GAC-1

5E29009-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	56	ug/L	20	16	ppmv	5.7
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		115 %			70-130	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor as Hexane

AA Project No: A5331358
Date Received: 05/29/15
Date Reported: 06/08/15
Sampled: 05/29/15
Prepared: 05/29/15
Analyzed: 05/29/15

After GAC-2

5E29009-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	38	ug/L	20	11	ppmv	5.7
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		113 %			70-130	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331358
Date Received: 05/29/15
Date Reported: 06/08/15

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Notes
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VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control

Batch B5E2911 - *** DEFAULT PREP ***

Blank (B5E2911-BLK1)

Prepared & Analyzed: 05/29/15

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	55.3		ug/L	50		111 70-140			
Surrogate: Dibromofluoromethane	52.5		ug/L	50		105 70-140			
Surrogate: Toluene-d8	54.7		ug/L	50		109 70-140			

LCS (B5E2911-BS1)

Prepared & Analyzed: 05/29/15

Benzene	23.3	0.50	ug/L	20		116 75-125			
Ethylbenzene	23.0	0.50	ug/L	20		115 75-125			
Methyl-tert-Butyl Ether (MTBE)	22.5	2.0	ug/L	20		112 75-125			
Toluene	21.9	0.50	ug/L	20		110 75-125			
o-Xylene	23.0	0.50	ug/L	20		115 75-125			
m,p-Xylenes	44.4	1.0	ug/L	40		111 75-125			

Surrogate: 4-Bromofluorobenzene	55.7		ug/L	50		111 70-140			
Surrogate: Dibromofluoromethane	52.2		ug/L	50		104 70-140			
Surrogate: Toluene-d8	51.6		ug/L	50		103 70-140			

LCS Dup (B5E2911-BSD1)

Prepared & Analyzed: 05/29/15

Benzene	20.4	0.50	ug/L	20		102 75-125	13.1	30	
Ethylbenzene	23.6	0.50	ug/L	20		118 75-125	2.49	30	
Methyl-tert-Butyl Ether (MTBE)	25.0	2.0	ug/L	20		125 75-125	10.5	30	
Toluene	21.0	0.50	ug/L	20		105 75-125	4.00	30	
o-Xylene	23.9	0.50	ug/L	20		120 75-125	3.92	30	
m,p-Xylenes	45.5	1.0	ug/L	40		114 75-125	2.49	30	

Surrogate: 4-Bromofluorobenzene	58.6		ug/L	50		117 70-140			
Surrogate: Dibromofluoromethane	51.6		ug/L	50		103 70-140			
Surrogate: Toluene-d8	51.9		ug/L	50		104 70-140			

Duplicate (B5E2911-DUP1)

Source: 5E29002-02 Prepared & Analyzed: 05/29/15

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331358
Date Received: 05/29/15
Date Reported: 06/08/15

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control									
<i>Batch B5E2911 - *** DEFAULT PREP ***</i>									
Duplicate (B5E2911-DUP1) Continued Source: 5E29002-02 Prepared & Analyzed: 05/29/15									
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	1.09	0.50	ug/L					30	
o-Xylene	3.19	0.50	ug/L					30	
m,p-Xylenes	1.94	1.0	ug/L					30	
<i>Surrogate: 4-Bromofluorobenzene</i>	57.1		ug/L	50		114 70-140			
<i>Surrogate: Dibromofluoromethane</i>	55.5		ug/L	50		111 70-140			
<i>Surrogate: Toluene-d8</i>	52.8		ug/L	50		106 70-140			
Gasoline Range Organics in Vapor by GC/FID - Quality Control									
<i>Batch B5E2914 - *** DEFAULT PREP ***</i>									
Blank (B5E2914-BLK1) Prepared & Analyzed: 05/29/15									
Gasoline Range Organics (GRO)	<20	20	ug/L						
<i>Surrogate: a,a,a-Trifluorotoluene</i>	44.3		ug/L	50		88.6 70-130			
LCS (B5E2914-BS1) Prepared & Analyzed: 05/29/15									
Gasoline Range Organics (GRO)	525	20	ug/L	500		105 75-125			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	51.7		ug/L	50		103 70-130			
LCS Dup (B5E2914-BSD1) Prepared & Analyzed: 05/29/15									
Gasoline Range Organics (GRO)	520	20	ug/L	500		104 75-125	0.889	30	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	49.7		ug/L	50		99.4 70-130			
Duplicate (B5E2914-DUP1) Source: 5E27004-02 Prepared & Analyzed: 05/29/15									
Gasoline Range Organics (GRO)	<20	20	ug/L					30	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	53.3		ug/L	50		107 70-130			
Duplicate (B5E2914-DUP2) Source: 5E29002-02 Prepared & Analyzed: 05/29/15									
Gasoline Range Organics (GRO)	120	20	ug/L		123		1.92	30	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	56.7		ug/L	50		113 70-130			

Gasoline Range Organics in Vapor as Hexane - Quality Control*Batch B5E2914 - *** DEFAULT PREP ****

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331358
Date Received: 05/29/15
Date Reported: 06/08/15

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
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Gasoline Range Organics in Vapor as Hexane - Quality Control

*Batch B5E2914 - *** DEFAULT PREP ****

Blank (B5E2914-BLK1)

Prepared & Analyzed: 05/29/15

GRO as Hexane <20 20 ug/L

Surrogate: a,a,a-Trifluorotoluene 44.3 ug/L 50 88.6 70-130

LCS (B5E2914-BS1)

Prepared & Analyzed: 05/29/15

GRO as Hexane 525 20 ug/L 500 105 75-125

Surrogate: a,a,a-Trifluorotoluene 51.7 ug/L 50 103 70-130

LCS Dup (B5E2914-BSD1)

Prepared & Analyzed: 05/29/15

GRO as Hexane 520 20 ug/L 500 104 75-125 0.889 30

Surrogate: a,a,a-Trifluorotoluene 49.7 ug/L 50 99.4 70-130

Duplicate (B5E2914-DUP2)

Source: 5E29002-02 Prepared & Analyzed: 05/29/15

GRO as Hexane 120 20 ug/L 123 1.92 30

Surrogate: a,a,a-Trifluorotoluene 56.7 ug/L 50 113 70-130

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331358
Date Received: 05/29/15
Date Reported: 06/08/15

Special Notes

Viorel Vasile
Operations Manager



9765 Eton Avenue
Chatsworth
California 91311
Tel: (818) 998-5547
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June 08, 2015

Neil Irish

The Source Group, Inc. (SH)
1962 Freeman Ave.
Signal Hill, CA 90755

**Re : DFSP Norwalk VES AQMD / 04-NDLA-001
A5331357 / 5E29008**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 05/29/15 15:30 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-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331357
Date Received: 05/29/15
Date Reported: 06/08/15

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
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VOCs BTEX/MTBE Vapor GC/MS

Influent	5E29008-01	Vapor	5	05/29/15 11:10	05/29/15 15:30
Effluent	5E29008-02	Vapor	5	05/29/15 11:05	05/29/15 15:30

VOCs Gasoline Range Organics Vapor

Influent	5E29008-01	Vapor	5	05/29/15 11:10	05/29/15 15:30
Effluent	5E29008-02	Vapor	5	05/29/15 11:05	05/29/15 15:30

VOCs GRO Vapor as Hexane

Influent	5E29008-01	Vapor	5	05/29/15 11:10	05/29/15 15:30
Effluent	5E29008-02	Vapor	5	05/29/15 11:05	05/29/15 15:30

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: VOCs BTEX/MTBE Vapor by GC/MS 8260M

AA Project No: A5331357
Date Received: 05/29/15
Date Reported: 06/08/15
Sampled: 05/29/15
Prepared: 05/29/15
Analyzed: 05/29/15

Influent**5E29008-01 (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
Dibromofluoromethane
Toluene-d8

111 %
109 %
109 %

70-140
70-140
70-140

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 0.5
Method: VOCs BTEX/MTBE Vapor by GC/MS 8260M

AA Project No: A5331357
Date Received: 05/29/15
Date Reported: 06/08/15
Sampled: 05/29/15
Prepared: 05/29/15
Analyzed: 05/29/15

Effluent**5E29008-02 (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
Dibromofluoromethane
Toluene-d8

113 %
117 %
108 %

70-140
70-140
70-140

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor by GC/FID

AA Project No: A5331357
Date Received: 05/29/15
Date Reported: 06/08/15
Sampled: 05/29/15
Prepared: 05/29/15
Analyzed: 05/29/15

Influent**5E29008-01 (Vapor)**

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	340	ug/L	20	83	ppmv	4.9
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		116 %			70-130	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor by GC/FID

AA Project No: A5331357
Date Received: 05/29/15
Date Reported: 06/08/15
Sampled: 05/29/15
Prepared: 05/29/15
Analyzed: 05/29/15

Effluent**5E29008-02 (Vapor)**

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	<20	ug/L	20	<4.9	ppmv	4.9
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		110 %			70-130	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor as Hexane

AA Project No: A5331357
Date Received: 05/29/15
Date Reported: 06/08/15
Sampled: 05/29/15
Prepared: 05/29/15
Analyzed: 05/29/15

Influent**5E29008-01 (Vapor)**

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	340	ug/L	20	97	ppmv	5.7
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		116 %			70-130	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor as Hexane

AA Project No: A5331357
Date Received: 05/29/15
Date Reported: 06/08/15
Sampled: 05/29/15
Prepared: 05/29/15
Analyzed: 05/29/15

Effluent**5E29008-02 (Vapor)**

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	<20	ug/L	20	<5.7	ppmv	5.7
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		110 %			70-130	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331357
Date Received: 05/29/15
Date Reported: 06/08/15

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									
<i>Batch B5E2911 - *** DEFAULT PREP ***</i>									
Blank (B5E2911-BLK1)					Prepared & Analyzed: 05/29/15				
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						
<i>Surrogate: 4-Bromofluorobenzene</i>	55.3		ug/L	50		111 70-140			
<i>Surrogate: Dibromofluoromethane</i>	52.5		ug/L	50		105 70-140			
<i>Surrogate: Toluene-d8</i>	54.7		ug/L	50		109 70-140			
LCS (B5E2911-BS1)					Prepared & Analyzed: 05/29/15				
Benzene	23.3	0.50	ug/L	20		116 75-125			
Ethylbenzene	23.0	0.50	ug/L	20		115 75-125			
Methyl-tert-Butyl Ether (MTBE)	22.5	2.0	ug/L	20		112 75-125			
Toluene	21.9	0.50	ug/L	20		110 75-125			
o-Xylene	23.0	0.50	ug/L	20		115 75-125			
m,p-Xylenes	44.4	1.0	ug/L	40		111 75-125			
<i>Surrogate: 4-Bromofluorobenzene</i>	55.7		ug/L	50		111 70-140			
<i>Surrogate: Dibromofluoromethane</i>	52.2		ug/L	50		104 70-140			
<i>Surrogate: Toluene-d8</i>	51.6		ug/L	50		103 70-140			
LCS Dup (B5E2911-BSD1)					Prepared & Analyzed: 05/29/15				
Benzene	20.4	0.50	ug/L	20		102 75-125	13.1	30	
Ethylbenzene	23.6	0.50	ug/L	20		118 75-125	2.49	30	
Methyl-tert-Butyl Ether (MTBE)	25.0	2.0	ug/L	20		125 75-125	10.5	30	
Toluene	21.0	0.50	ug/L	20		105 75-125	4.00	30	
o-Xylene	23.9	0.50	ug/L	20		120 75-125	3.92	30	
m,p-Xylenes	45.5	1.0	ug/L	40		114 75-125	2.49	30	
<i>Surrogate: 4-Bromofluorobenzene</i>	58.6		ug/L	50		117 70-140			
<i>Surrogate: Dibromofluoromethane</i>	51.6		ug/L	50		103 70-140			
<i>Surrogate: Toluene-d8</i>	51.9		ug/L	50		104 70-140			
Duplicate (B5E2911-DUP1)					Source: 5E29002-02 Prepared & Analyzed: 05/29/15				

Viorel Vasile
 Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331357
Date Received: 05/29/15
Date Reported: 06/08/15

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD RPD	Limit	Notes
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VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control

Batch B5E2911 - *** DEFAULT PREP ***

Duplicate (B5E2911-DUP1) Continued Source: 5E29002-02 Prepared & Analyzed: 05/29/15

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	1.09	0.50	ug/L							30
o-Xylene	3.19	0.50	ug/L							30
m,p-Xylenes	1.94	1.0	ug/L							30

Surrogate: 4-Bromofluorobenzene	57.1		ug/L	50		114	70-140			
Surrogate: Dibromofluoromethane	55.5		ug/L	50		111	70-140			
Surrogate: Toluene-d8	52.8		ug/L	50		106	70-140			

Gasoline Range Organics in Vapor by GC/FID - Quality Control

Batch B5E2914 - *** DEFAULT PREP ***

Blank (B5E2914-BLK1) Prepared & Analyzed: 05/29/15

Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	44.3		ug/L	50		88.6	70-130			

LCS (B5E2914-BS1) Prepared & Analyzed: 05/29/15

Gasoline Range Organics (GRO)	525	20	ug/L	500		105	75-125			
Surrogate: a,a,a-Trifluorotoluene	51.7		ug/L	50		103	70-130			

LCS Dup (B5E2914-BSD1) Prepared & Analyzed: 05/29/15

Gasoline Range Organics (GRO)	520	20	ug/L	500		104	75-125	0.889		30
Surrogate: a,a,a-Trifluorotoluene	49.7		ug/L	50		99.4	70-130			

Duplicate (B5E2914-DUP1) Source: 5E27004-02 Prepared & Analyzed: 05/29/15

Gasoline Range Organics (GRO)	<20	20	ug/L							30
Surrogate: a,a,a-Trifluorotoluene	53.3		ug/L	50		107	70-130			

Duplicate (B5E2914-DUP2) Source: 5E29002-02 Prepared & Analyzed: 05/29/15

Gasoline Range Organics (GRO)	120	20	ug/L			123		1.92		30
Surrogate: a,a,a-Trifluorotoluene	56.7		ug/L	50		113	70-130			

Gasoline Range Organics in Vapor as Hexane - Quality Control

Batch B5E2914 - *** DEFAULT PREP ***

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331357
Date Received: 05/29/15
Date Reported: 06/08/15

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC %REC	Limit	RPD RPD	Limit	Notes
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Gasoline Range Organics in Vapor as Hexane - Quality Control

*Batch B5E2914 - *** DEFAULT PREP ****

Blank (B5E2914-BLK1)

Prepared & Analyzed: 05/29/15

GRO as Hexane	<20	20	ug/L							
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Surrogate: a,a,a-Trifluorotoluene	44.3		ug/L	50		88.6	70-130			
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LCS (B5E2914-BS1)

Prepared & Analyzed: 05/29/15

GRO as Hexane	525	20	ug/L	500		105	75-125			
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Surrogate: a,a,a-Trifluorotoluene	51.7		ug/L	50		103	70-130			
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LCS Dup (B5E2914-BSD1)

Prepared & Analyzed: 05/29/15

GRO as Hexane	520	20	ug/L	500		104	75-125	0.889	30	
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Surrogate: a,a,a-Trifluorotoluene	49.7		ug/L	50		99.4	70-130			
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Duplicate (B5E2914-DUP2)

Source: 5E29002-02 Prepared & Analyzed: 05/29/15

GRO as Hexane	120	20	ug/L		123			1.92	30	
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Surrogate: a,a,a-Trifluorotoluene	56.7		ug/L	50		113	70-130			
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Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331357
Date Received: 05/29/15
Date Reported: 06/08/15

Special Notes

Viorel Vasile
Operations Manager



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California 91311
Tel: (818) 998-5547
Fax: (818) 998-7258

June 15, 2015

Neil Irish

The Source Group, Inc. (SH)
1962 Freeman Ave.
Signal Hill, CA 90755

**Re : DFSP Norwalk GWETS NPDES Monthly / 04-NDLA-001
A5331370 / 5F04004**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 06/04/15 09:49 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-001
Project Name: DFSP Norwalk GWETS NPDES Monthly

AA Project No: A5331370
Date Received: 06/04/15
Date Reported: 06/15/15

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
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8260B TPHGASOLINEBTEXOXY

Surge Tank	5F04004-01	Water	5	06/03/15 15:13	06/04/15 09:49
After GAC-1	5F04004-02	Water	5	06/03/15 15:08	06/04/15 09:49
After GAC-2	5F04004-03	Water	5	06/03/15 15:02	06/04/15 09:49

Arsenic Total EPA 200.7

Surge Tank	5F04004-01	Water	5	06/03/15 15:13	06/04/15 09:49
After Bed-1	5F04004-04	Water	5	06/03/15 14:58	06/04/15 09:49

Diesel Range Organics 8015M

Surge Tank	5F04004-01	Water	5	06/03/15 15:13	06/04/15 09:49
After GAC-1	5F04004-02	Water	5	06/03/15 15:08	06/04/15 09:49
After GAC-2	5F04004-03	Water	5	06/03/15 15:02	06/04/15 09:49

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GWETS NPDES Monthly
Method: TPHG/BTEX/Oxygenates by GC/MS

AA Project No: A5331370
Date Received: 06/04/15
Date Reported: 06/15/15
Units: ug/L

Date Sampled:	06/03/15	06/03/15	06/03/15		
Date Prepared:	06/10/15	06/10/15	06/10/15		
Date Analyzed:	06/10/15	06/10/15	06/10/15		
AA ID No:	5F04004-01	5F04004-02	5F04004-03		
Client ID No:	Surge Tank	After GAC-1	After GAC-2		
Matrix:	Water	Water	Water		
Dilution Factor:	1	1	1	MDL	MRL

8260B TPH GASOLINE BTEX OXY (EPA 8260B)

tert-Amyl Methyl Ether (TAME)	<0.30	<0.30	<0.30	0.30	2.0
Benzene	20	<0.20	<0.20	0.20	0.50
tert-Butyl alcohol (TBA)	<7.0	<7.0	<7.0	7.0	10
Diisopropyl ether (DIPE)	<0.50	<0.50	<0.50	0.50	2.0
Ethylbenzene	12	<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)	340	<40	<40	40	100
Methyl-tert-Butyl Ether (MTBE)	0.52 J	0.56 J	<0.40	0.40	2.0
Toluene	6.6	<0.30	<0.30	0.30	0.50
o-Xylene	25	<0.30	<0.30	0.30	0.50
m,p-Xylenes	22	<0.40	<0.40	0.40	1.0

Surrogates

				%REC Limits
4-Bromofluorobenzene	103%	105%	103%	70-140
Dibromofluoromethane	116%	117%	114%	70-140
Toluene-d8	101%	101%	101%	70-140

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GWETS NPDES Monthly
Method: Diesel Range Organics by GC/FID

AA Project No: A5331370
Date Received: 06/04/15
Date Reported: 06/15/15
Units: ug/L

Date Sampled:	06/03/15	06/03/15	06/03/15		
Date Prepared:	06/09/15	06/09/15	06/09/15		
Date Analyzed:	06/09/15	06/09/15	06/09/15		
AA ID No:	5F04004-01	5F04004-02	5F04004-03		
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	150	<60	<60	60	100
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Surrogates

o-Terphenyl	99%	94%	95%	<u>%REC Limits</u>	50-150
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Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GWETS NPDES Monthly
Method: Total Metals by ICP Atomic Emission Spectroscopy

AA Project No: A5331370
Date Received: 06/04/15
Date Reported: 06/15/15

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
<u>Arsenic Total EPA 200.7 (EPA 200.7)</u>									
5F04004-01	Surge Tank	06/03/15	06/08/15	06/08/15	1	0.057	mg/L	0.006	0.007
5F04004-04	After Bed-1	06/03/15	06/08/15	06/08/15	1	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-001
Project Name: DFSP Norwalk GWETS NPDES Monthly

AA Project No: A5331370
Date Received: 06/04/15
Date Reported: 06/15/15

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD RPD	RPD Limit	Notes
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TPHG/BTEX/Oxygenates by GC/MS - Quality Control

Batch B5F1016 - EPA 5030B

Blank (B5F1016-BLK1)

Prepared & Analyzed: 06/10/15

tert-Amyl Methyl Ether (TAME)	<0.30	0.30	ug/L
Benzene	<0.20	0.20	ug/L
tert-Butyl alcohol (TBA)	<7.0	7.0	ug/L
Diisopropyl ether (DIPE)	<0.50	0.50	ug/L
Ethylbenzene	<0.20	0.20	ug/L
Ethyl-tert-Butyl Ether (ETBE)	<0.40	0.40	ug/L
Gasoline Range Organics (GRO)	<40	40	ug/L
Methyl-tert-Butyl Ether (MTBE)	<0.40	0.40	ug/L
Toluene	<0.30	0.30	ug/L
o-Xylene	<0.30	0.30	ug/L
m,p-Xylenes	<0.40	0.40	ug/L

Surrogate: 4-Bromofluorobenzene	51.6		ug/L	50	103	70-140
Surrogate: Dibromofluoromethane	52.4		ug/L	50	105	70-140
Surrogate: Toluene-d8	50.7		ug/L	50	101	70-140

LCS (B5F1016-BS1)

Prepared: 06/10/15 Analyzed: 06/11/15

Benzene	21.3	0.20	ug/L	20	106	75-125
Ethylbenzene	22.1	0.20	ug/L	20	110	75-125
Methyl-tert-Butyl Ether (MTBE)	21.9	0.40	ug/L	20	110	70-135
Toluene	21.7	0.30	ug/L	20	108	75-125
o-Xylene	22.4	0.30	ug/L	20	112	75-125

Surrogate: 4-Bromofluorobenzene	52.7		ug/L	50	105	70-140
Surrogate: Dibromofluoromethane	56.0		ug/L	50	112	70-140
Surrogate: Toluene-d8	49.8		ug/L	50	99.7	70-140

Matrix Spike (B5F1016-MS1)

Source: 5F04012-02 Prepared & Analyzed: 06/10/15

Benzene	20.7	0.20	ug/L	20	103	70-130
Ethylbenzene	22.1	0.20	ug/L	20	110	70-130
Methyl-tert-Butyl Ether (MTBE)	22.0	0.40	ug/L	20	110	70-130
Toluene	22.5	0.30	ug/L	20	112	70-130

Surrogate: 4-Bromofluorobenzene	51.6		ug/L	50	103	70-140
Surrogate: Dibromofluoromethane	52.1		ug/L	50	104	70-140

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GWETS NPDES Monthly

AA Project No: A5331370
Date Received: 06/04/15
Date Reported: 06/15/15

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
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TPHG/BTEX/Oxygenates by GC/MS - Quality Control

Batch B5F1016 - EPA 5030B

Matrix Spike (B5F1016-MS1) Continued Source: 5F04012-02 Prepared & Analyzed: 06/10/15

Surrogate: Toluene-d8 49.8 ug/L 50 99.6 70-140

Matrix Spike Dup (B5F1016-MSD1) Source: 5F04012-02 Prepared & Analyzed: 06/10/15

Benzene	19.3	0.20	ug/L	20	96.6	70-130	6.90	30	
Ethylbenzene	20.8	0.20	ug/L	20	104	70-130	5.92	30	
Methyl-tert-Butyl Ether (MTBE)	22.3	0.40	ug/L	20	112	70-130	1.54	30	
Toluene	20.6	0.30	ug/L	20	103	70-130	8.73	30	

Surrogate: 4-Bromofluorobenzene 50.5 ug/L 50 101 70-140

Surrogate: Dibromofluoromethane 51.7 ug/L 50 103 70-140

Surrogate: Toluene-d8 49.2 ug/L 50 98.4 70-140

Diesel Range Organics by GC/FID - Quality Control

Batch B5F0901 - EPA 3510C

Blank (B5F0901-BLK1) Prepared & Analyzed: 06/09/15

Diesel Range Organics as Diesel <60 60 ug/L

Surrogate: o-Terphenyl 39.0 ug/L 40 97.4 50-150

LCS (B5F0901-BS1) Prepared & Analyzed: 06/09/15

Diesel Range Organics as Diesel 899 60 ug/L 800 112 75-125 30

Surrogate: o-Terphenyl 49.4 ug/L 40 123 50-150

LCS Dup (B5F0901-BSD1) Prepared & Analyzed: 06/09/15

Diesel Range Organics as Diesel 975 60 ug/L 800 122 75-125 8.10 30

Surrogate: o-Terphenyl 54.8 ug/L 40 137 50-150

Total Metals by ICP Atomic Emission Spectroscopy - Quality Control

Batch B5F0810 - EPA 3010A

Blank (B5F0810-BLK1) Prepared & Analyzed: 06/08/15

Arsenic <0.0060 0.0060 mg/L

LCS (B5F0810-BS1) Prepared & Analyzed: 06/08/15

Arsenic 0.215 0.0060 mg/L 0.20 107 80-120 20

LCS Dup (B5F0810-BSD1) Prepared & Analyzed: 06/08/15

Arsenic 0.204 0.0060 mg/L 0.20 102 80-120 5.06 20

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GWETS NPDES Monthly

AA Project No: A5331370
Date Received: 06/04/15
Date Reported: 06/15/15

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Total Metals by ICP Atomic Emission Spectroscopy - Quality Control

Batch B5F0810 - EPA 3010A

Matrix Spike (B5F0810-MS1)		Source: 5F04004-04 Prepared & Analyzed: 06/08/15								
Arsenic	0.259	0.0060	mg/L	0.20	0.0266	116	75-125		20	
Matrix Spike Dup (B5F0810-MSD1)		Source: 5F04004-04 Prepared & Analyzed: 06/08/15								
Arsenic	0.256	0.0060	mg/L	0.20	0.0266	115	75-125	1.17	20	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk GWETS NPDES Monthly

AA Project No: A5331370
Date Received: 06/04/15
Date Reported: 06/15/15

Special Notes

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

Viorel Vasile
Operations Manager



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June 09, 2015

Neil Irish

The Source Group, Inc. (SH)
1962 Freeman Ave.
Signal Hill, CA 90755

**Re : DFSP Norwalk VES AQMD / 04-NDLA-001
A5331368 / 5F04002**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 06/04/15 09:49 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-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331368
Date Received: 06/04/15
Date Reported: 06/09/15

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
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VOCs BTEX/MTBE Vapor GC/MS

After GAC-1	5F04002-01	Vapor	5	06/03/15 14:44	06/04/15 09:49
After GAC-2	5F04002-02	Vapor	5	06/03/15 14:42	06/04/15 09:49

VOCs Gasoline Range Organics Vapor

After GAC-1	5F04002-01	Vapor	5	06/03/15 14:44	06/04/15 09:49
After GAC-2	5F04002-02	Vapor	5	06/03/15 14:42	06/04/15 09:49

VOCs GRO Vapor as Hexane

After GAC-1	5F04002-01	Vapor	5	06/03/15 14:44	06/04/15 09:49
After GAC-2	5F04002-02	Vapor	5	06/03/15 14:42	06/04/15 09:49

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: VOCs BTEX/MTBE Vapor by GC/MS 8260M

AA Project No: A5331368
Date Received: 06/04/15
Date Reported: 06/09/15
Sampled: 06/03/15
Prepared: 06/04/15
Analyzed: 06/04/15

After GAC-1**5F04002-01 (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
Dibromofluoromethane
Toluene-d8

101 %
109 %
97.8 %

70-140
70-140
70-140

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: VOCs BTEX/MTBE Vapor by GC/MS 8260M

AA Project No: A5331368
Date Received: 06/04/15
Date Reported: 06/09/15
Sampled: 06/03/15
Prepared: 06/04/15
Analyzed: 06/04/15

After GAC-2**5F04002-02 (Vapor)**

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

<u>Surrogates</u>	<u>%REC</u>	<u>%REC Limits</u>
4-Bromofluorobenzene	103 %	70-140
Dibromofluoromethane	111 %	70-140
Toluene-d8	100 %	70-140

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor by GC/FID

AA Project No: A5331368
Date Received: 06/04/15
Date Reported: 06/09/15
Sampled: 06/03/15
Prepared: 06/05/15
Analyzed: 06/05/15

After GAC-1

5F04002-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	40	ug/L	20	9.8	ppmv	4.9
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		106 %			70-130	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor by GC/FID

AA Project No: A5331368
Date Received: 06/04/15
Date Reported: 06/09/15
Sampled: 06/03/15
Prepared: 06/05/15
Analyzed: 06/05/15

After GAC-2

5F04002-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	29	ug/L	20	7.1	ppmv	4.9
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		99.9 %			70-130	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor as Hexane

AA Project No: A5331368
Date Received: 06/04/15
Date Reported: 06/09/15
Sampled: 06/03/15
Prepared: 06/05/15
Analyzed: 06/05/15

After GAC-1

5F04002-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	40	ug/L	20	11	ppmv	5.7
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		106 %			70-130	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor as Hexane

AA Project No: A5331368
Date Received: 06/04/15
Date Reported: 06/09/15
Sampled: 06/03/15
Prepared: 06/05/15
Analyzed: 06/05/15

After GAC-2

5F04002-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	29	ug/L	20	8.2	ppmv	5.7
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		99.9 %			70-130	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331368
Date Received: 06/04/15
Date Reported: 06/09/15

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Notes
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VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control

Batch B5F0408 - *** DEFAULT PREP ***

Blank (B5F0408-BLK1)

Prepared & Analyzed: 06/04/15

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	50.9		ug/L	50		102 70-140			
Surrogate: Dibromofluoromethane	53.1		ug/L	50		106 70-140			
Surrogate: Toluene-d8	48.3		ug/L	50		96.7 70-140			

LCS (B5F0408-BS1)

Prepared & Analyzed: 06/04/15

Benzene	19.4	0.50	ug/L	20		97.0 75-125			
Ethylbenzene	22.1	0.50	ug/L	20		111 75-125			
Methyl-tert-Butyl Ether (MTBE)	17.2	2.0	ug/L	20		86.0 75-125			
Toluene	22.3	0.50	ug/L	20		112 75-125			
o-Xylene	22.5	0.50	ug/L	20		112 75-125			
m,p-Xylenes	43.6	1.0	ug/L	40		109 75-125			

Surrogate: 4-Bromofluorobenzene	49.2		ug/L	50		98.3 70-140			
Surrogate: Dibromofluoromethane	47.8		ug/L	50		95.5 70-140			
Surrogate: Toluene-d8	48.6		ug/L	50		97.2 70-140			

LCS Dup (B5F0408-BSD1)

Prepared: 06/04/15 Analyzed: 06/05/15

Benzene	19.1	0.50	ug/L	20		95.6 75-125	1.51	30	
Ethylbenzene	19.9	0.50	ug/L	20		99.7 75-125	10.5	30	
Methyl-tert-Butyl Ether (MTBE)	22.0	2.0	ug/L	20		110 75-125	24.5	30	
Toluene	19.8	0.50	ug/L	20		99.0 75-125	11.9	30	
o-Xylene	20.9	0.50	ug/L	20		105 75-125	7.28	30	
m,p-Xylenes	38.8	1.0	ug/L	40		97.0 75-125	11.6	30	

Surrogate: 4-Bromofluorobenzene	50.5		ug/L	50		101 70-140			
Surrogate: Dibromofluoromethane	53.7		ug/L	50		107 70-140			
Surrogate: Toluene-d8	47.1		ug/L	50		94.3 70-140			

Duplicate (B5F0408-DUP1)

Source: 5F04001-01 Prepared & Analyzed: 06/04/15

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331368
Date Received: 06/04/15
Date Reported: 06/09/15

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD RPD	Limit	Notes
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VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control

Batch B5F0408 - *** DEFAULT PREP ***

Duplicate (B5F0408-DUP1) Continued Source: 5F04001-01 Prepared & Analyzed: 06/04/15

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		99.2	70-140			
Surrogate: Dibromofluoromethane	55.0		ug/L	50		110	70-140			
Surrogate: Toluene-d8	47.9		ug/L	50		95.8	70-140			

Gasoline Range Organics in Vapor by GC/FID - Quality Control

Batch B5F0529 - *** DEFAULT PREP ***

Blank (B5F0529-BLK1) Prepared & Analyzed: 06/05/15

Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	50.5		ug/L	50		101	70-130			

LCS (B5F0529-BS1) Prepared: 06/05/15 Analyzed: 06/06/15

Gasoline Range Organics (GRO)	567	20	ug/L	500		113	75-125			
Surrogate: a,a,a-Trifluorotoluene	49.6		ug/L	50		99.3	70-130			

LCS Dup (B5F0529-BSD1) Prepared: 06/05/15 Analyzed: 06/06/15

Gasoline Range Organics (GRO)	479	20	ug/L	500		95.8	75-125	16.9	30	
Surrogate: a,a,a-Trifluorotoluene	49.1		ug/L	50		98.3	70-130			

Duplicate (B5F0529-DUP1) Source: 5F03004-01 Prepared & Analyzed: 06/05/15

Gasoline Range Organics (GRO)	60.0	20	ug/L		61.3			2.25	30	
Surrogate: a,a,a-Trifluorotoluene	51.8		ug/L	50		104	70-130			

Gasoline Range Organics in Vapor as Hexane - Quality Control

Batch B5F0529 - *** DEFAULT PREP ***

Blank (B5F0529-BLK1) Prepared & Analyzed: 06/05/15

GRO as Hexane	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	50.5		ug/L	50		101	70-130			

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331368
Date Received: 06/04/15
Date Reported: 06/09/15

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Gasoline Range Organics in Vapor as Hexane - Quality Control

*Batch B5F0529 - *** DEFAULT PREP ****

LCS (B5F0529-BS1)

Prepared: 06/05/15 Analyzed: 06/06/15

GRO as Hexane	567	20	ug/L	500	113	75-125				
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<i>Surrogate: a,a,a-Trifluorotoluene</i>	49.6		ug/L	50	99.3	70-130				
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LCS Dup (B5F0529-BSD1)

Prepared: 06/05/15 Analyzed: 06/06/15

GRO as Hexane	479	20	ug/L	500	95.8	75-125	16.9	30		
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<i>Surrogate: a,a,a-Trifluorotoluene</i>	49.1		ug/L	50	98.3	70-130				
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Duplicate (B5F0529-DUP1)

Source: 5F03004-01 Prepared & Analyzed: 06/05/15

GRO as Hexane	60.0	20	ug/L		61.3		2.25	30		
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<i>Surrogate: a,a,a-Trifluorotoluene</i>	51.8		ug/L	50	104	70-130				
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Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331368
Date Received: 06/04/15
Date Reported: 06/09/15

Special Notes

Viorel Vasile
Operations Manager



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

June 09, 2015

Neil Irish

The Source Group, Inc. (SH)
1962 Freeman Ave.
Signal Hill, CA 90755

**Re : DFSP Norwalk VES AQMD / 04-NDLA-001
A5331367 / 5F04001**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 06/04/15 09:49 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-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331367
Date Received: 06/04/15
Date Reported: 06/09/15

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
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VOCs BTEX/MTBE Vapor GC/MS

Influent	5F04001-01	Vapor	5	06/03/15 14:45	06/04/15 09:49
Effluent	5F04001-02	Vapor	5	06/03/15 14:38	06/04/15 09:49

VOCs Gasoline Range Organics Vapor

Influent	5F04001-01	Vapor	5	06/03/15 14:45	06/04/15 09:49
Effluent	5F04001-02	Vapor	5	06/03/15 14:38	06/04/15 09:49

VOCs GRO Vapor as Hexane

Influent	5F04001-01	Vapor	5	06/03/15 14:45	06/04/15 09:49
Effluent	5F04001-02	Vapor	5	06/03/15 14:38	06/04/15 09:49

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: VOCs BTEX/MTBE Vapor by GC/MS 8260M

AA Project No: A5331367
Date Received: 06/04/15
Date Reported: 06/09/15
Sampled: 06/03/15
Prepared: 06/04/15
Analyzed: 06/04/15

Influent**5F04001-01 (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

<u>Surrogates</u>	<u>%REC</u>	<u>%REC Limits</u>
4-Bromofluorobenzene	107 %	70-140
Dibromofluoromethane	114 %	70-140
Toluene-d8	96.2 %	70-140

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 0.5
Method: VOCs BTEX/MTBE Vapor by GC/MS 8260M

AA Project No: A5331367
Date Received: 06/04/15
Date Reported: 06/09/15
Sampled: 06/03/15
Prepared: 06/04/15
Analyzed: 06/04/15

Effluent**5F04001-02 (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
Dibromofluoromethane
Toluene-d8

103 %
115 %
97.1 %

70-140
70-140
70-140

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor by GC/FID

AA Project No: A5331367
Date Received: 06/04/15
Date Reported: 06/09/15
Sampled: 06/03/15
Prepared: 06/05/15
Analyzed: 06/05/15

Influent**5F04001-01 (Vapor)**

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	130	ug/L	20	32	ppmv	4.9
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		107 %			70-130	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor by GC/FID

AA Project No: A5331367
Date Received: 06/04/15
Date Reported: 06/09/15
Sampled: 06/03/15
Prepared: 06/05/15
Analyzed: 06/05/15

Effluent**5F04001-02 (Vapor)**

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	<20	ug/L	20	<4.9	ppmv	4.9
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		109 %			70-130	

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor as Hexane

AA Project No: A5331367
Date Received: 06/04/15
Date Reported: 06/09/15
Sampled: 06/03/15
Prepared: 06/05/15
Analyzed: 06/05/15

Influent**5F04001-01 (Vapor)**

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	130	ug/L	20	37	ppmv	5.7
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		107 %			70-130	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD
Matrix: Vapor
Dilution: 1
Method: Gasoline Range Organics in Vapor as Hexane

AA Project No: A5331367
Date Received: 06/04/15
Date Reported: 06/09/15
Sampled: 06/03/15
Prepared: 06/05/15
Analyzed: 06/05/15

Effluent

5F04001-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	<20	ug/L	20	<5.7	ppmv	5.7
<u>Surrogates</u>		<u>%REC</u>			<u>%REC Limits</u>	
a,a,a-Trifluorotoluene		109 %			70-130	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331367
Date Received: 06/04/15
Date Reported: 06/09/15

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Notes
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VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control

Batch B5F0408 - *** DEFAULT PREP ***

Blank (B5F0408-BLK1)

Prepared & Analyzed: 06/04/15

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	50.9		ug/L	50		102 70-140			
Surrogate: Dibromofluoromethane	53.1		ug/L	50		106 70-140			
Surrogate: Toluene-d8	48.3		ug/L	50		96.7 70-140			

LCS (B5F0408-BS1)

Prepared & Analyzed: 06/04/15

Benzene	19.4	0.50	ug/L	20		97.0 75-125			
Ethylbenzene	22.1	0.50	ug/L	20		111 75-125			
Methyl-tert-Butyl Ether (MTBE)	17.2	2.0	ug/L	20		86.0 75-125			
Toluene	22.3	0.50	ug/L	20		112 75-125			
o-Xylene	22.5	0.50	ug/L	20		112 75-125			
m,p-Xylenes	43.6	1.0	ug/L	40		109 75-125			

Surrogate: 4-Bromofluorobenzene	49.2		ug/L	50		98.3 70-140			
Surrogate: Dibromofluoromethane	47.8		ug/L	50		95.5 70-140			
Surrogate: Toluene-d8	48.6		ug/L	50		97.2 70-140			

LCS Dup (B5F0408-BSD1)

Prepared: 06/04/15 Analyzed: 06/05/15

Benzene	19.1	0.50	ug/L	20		95.6 75-125	1.51	30	
Ethylbenzene	19.9	0.50	ug/L	20		99.7 75-125	10.5	30	
Methyl-tert-Butyl Ether (MTBE)	22.0	2.0	ug/L	20		110 75-125	24.5	30	
Toluene	19.8	0.50	ug/L	20		99.0 75-125	11.9	30	
o-Xylene	20.9	0.50	ug/L	20		105 75-125	7.28	30	
m,p-Xylenes	38.8	1.0	ug/L	40		97.0 75-125	11.6	30	

Surrogate: 4-Bromofluorobenzene	50.5		ug/L	50		101 70-140			
Surrogate: Dibromofluoromethane	53.7		ug/L	50		107 70-140			
Surrogate: Toluene-d8	47.1		ug/L	50		94.3 70-140			

Duplicate (B5F0408-DUP1)

Source: 5F04001-01 Prepared & Analyzed: 06/04/15

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331367
Date Received: 06/04/15
Date Reported: 06/09/15

Table with 11 columns: 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 B5F0408 - *** DEFAULT PREP ***

Duplicate (B5F0408-DUP1) Continued Source: 5F04001-01 Prepared & Analyzed: 06/04/15

Table with 11 columns showing VOCs BTEX/MTBE Vapor analysis results for Benzene, Ethylbenzene, MTBE, Toluene, o-Xylene, m,p-Xylenes, and Surrogate compounds.

Gasoline Range Organics in Vapor by GC/FID - Quality Control

Batch B5F0529 - *** DEFAULT PREP ***

Blank (B5F0529-BLK1) Prepared & Analyzed: 06/05/15

Table with 11 columns showing Gasoline Range Organics (GRO) analysis results for Blank and Surrogate (a,a,a-Trifluorotoluene).

LCS (B5F0529-BS1) Prepared: 06/05/15 Analyzed: 06/06/15

Table with 11 columns showing Gasoline Range Organics (GRO) analysis results for LCS (B5F0529-BS1) and Surrogate.

LCS Dup (B5F0529-BSD1) Prepared: 06/05/15 Analyzed: 06/06/15

Table with 11 columns showing Gasoline Range Organics (GRO) analysis results for LCS Dup (B5F0529-BSD1) and Surrogate.

Duplicate (B5F0529-DUP1) Source: 5F03004-01 Prepared & Analyzed: 06/05/15

Table with 11 columns showing Gasoline Range Organics (GRO) analysis results for Duplicate (B5F0529-DUP1) and Surrogate.

Gasoline Range Organics in Vapor as Hexane - Quality Control

Batch B5F0529 - *** DEFAULT PREP ***

Blank (B5F0529-BLK1) Prepared & Analyzed: 06/05/15

Table with 11 columns showing Gasoline Range Organics (GRO) as Hexane analysis results for Blank and Surrogate.

Handwritten signature

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331367
Date Received: 06/04/15
Date Reported: 06/09/15

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
Gasoline Range Organics in Vapor as Hexane - Quality Control										
<i>Batch B5F0529 - *** DEFAULT PREP ***</i>										
LCS (B5F0529-BS1)				Prepared: 06/05/15 Analyzed: 06/06/15						
GRO as Hexane	567	20	ug/L	500	113	75-125				
Surrogate: a,a,a-Trifluorotoluene	49.6		ug/L	50	99.3	70-130				
LCS Dup (B5F0529-BSD1)				Prepared: 06/05/15 Analyzed: 06/06/15						
GRO as Hexane	479	20	ug/L	500	95.8	75-125	16.9	30		
Surrogate: a,a,a-Trifluorotoluene	49.1		ug/L	50	98.3	70-130				
Duplicate (B5F0529-DUP1)				Source: 5F03004-01 Prepared & Analyzed: 06/05/15						
GRO as Hexane	60.0	20	ug/L		61.3		2.25	30		
Surrogate: a,a,a-Trifluorotoluene	51.8		ug/L	50	104	70-130				

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-001
Project Name: DFSP Norwalk VES AQMD

AA Project No: A5331367
Date Received: 06/04/15
Date Reported: 06/09/15

Special Notes

Viorel Vasile
Operations Manager



AMERICAN ANALYTICALS CHAIN-OF-CUSTODY RECORD

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

122676

Page 1 of 1

Client: The Source Group, Inc. **Project Name / No.:** DFSP - Norwalk / 04-SDLA
Project Manager: Neil Irish **Site Address:** 15306 Norwalk Blvd
Phone: 562-597-1055 **City:** Norwalk
Fax: 569-597-1070 **State & Zip:** CA 90650
Sampler's Name: Glenn Androsko
Sampler's Signature: *Glenn Androsko*
P.O. No.: 04-NPLA-001
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.	Date	Time	Sample Matrix	No. of Cont.	ANALYSIS REQUESTED (Test Name)			Special Instructions
					Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B	
SF04001-01	6-3-15	1445	Air	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
-02	"	1438	Air	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		

Please enter the TAT Turnaround Codes ** below

Relinquished by	Date	Time	Received by	Date	Time
<i>Glenn Androsko</i>	6-4-15	7:45	<i>Glenn Androsko</i>		
<i>Glenn Androsko</i>	06/04/15	9:49	<i>Glenn Androsko</i>		
<i>Glenn Androsko</i>			<i>Glenn Androsko</i>		

PRIORITY

SEARCHED SERIALIZED INDEXED FILED

JUN 11 2015

FBI - NORWALK

AS331367 / SF04001

Note: By relinquishing samples to American Analyticals, 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 Analyticals.

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A GEO_REPORT FILE

SUCCESS

Your GEO_REPORT file has been successfully submitted!

<u>Submittal Type:</u>	GEO_REPORT
<u>Report Title:</u>	Remediation Status Report 2Q2015
<u>Report Type:</u>	Remedial Progress Report
<u>Report Date:</u>	8/4/2015
<u>Facility Global ID:</u>	SLT43185183
<u>Facility Name:</u>	Norwalk, Fuel Terminal DFSP - DOD - NORWALK DFSP
<u>File Name:</u>	Remediation Status Report 2Q2015.pdf
<u>Organization Name:</u>	The Source Group, Inc.
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