REMEDIATION STATUS REPORT - THIRD QUARTER 2016

DEFENSE FUEL SUPPORT POINT NORWALK
15306 Norwalk Boulevard
Norwalk, California

091-NDLA-018

Prepared For:

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LIST OF ACRONYMS

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

1.0 INTRODUCTION

On behalf of our client, Defense Logistics Agency Installation Support for Energy (DLA), 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. Various remediation technologies have been implemented at the Site to treat the hydrocarbon impacts in soil and groundwater. The purposes of these technologies are to reduce hydrocarbon concentrations to cleanup goals, prevent off-site migration, contain contaminant mass, and ultimately achieve Site closure within a reasonable timeframe.

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

1.2 Remediation Technologies

Remediation technologies utilized at the Site include soil vapor extraction (SVE), groundwater extraction (GWE), biosparging, and light non-aqueous phase liquid (LNAPL) removal via manual bailing, vacuum truck, passive skimming, active pumping using a portable skimming pump and absorbent socks. The aboveground treatment of contaminated vadose zone soils excavated at the Site has also been conducted since April 2015, and an automated product recovery system was most recently brought online (startup occurred on August 8, 2016) following the completion of installation and permitting work during the current reporting period. A summary of Site remediation wells, including well identification, well construction information, well function, and operational status, is presented in Table 1. The soil and groundwater remediation system layout (well and piping locations) is presented in Figure 2.

1.2.1 Soil Vapor Extraction System

The SVE well network for hydrocarbon extraction from vadose zone subsurface impacts historically includes wells installed in the following areas as illustrated on Figure 2: former AST 80001 area (VEW-23), former AST 80006 and 80007 areas (VEW-20, VEW-21, VEW-22, HW-1, and HW-3),

former AST 80008 area (VEW-24, VEW-25, VEW-26, VEW-27, HW-5, and HW-7), former AST 55004 area (VEW-28, VEW-29, and VEW-30), eastern boundary area (VEW-32, VEW-33, VEW-34, VEW-35, VEW-36, and VEW-37), former water tank area (VEW-31), and former truck fueling area (VW-07, VW-09, VW-10, VW-11, VW-12, VW-13, VW-14, VW-15, and VW-16).

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

Following the knockout tank, the soil vapors are treated through four granular activated carbon (GAC) vessels where volatile organic compounds (VOCs) are adsorbed onto the GAC within the vessels. The primary and secondary GAC vessels, each 5,000 pounds, are installed in series with each other, and are followed by a pair of tertiary vessels, each 2,000 pounds, installed in parallel. Operation of the VES is conducted in accordance with South Coast Air Quality Management District (SCAQMD) Permit to Construct A/N 568793, formerly Permit to Operate G12863, A/N 518989. The new Permit to Construct was issued on March 6, 2015 to reflect the addition of on-site, aboveground soil treatment activities. Active SVE wells are identified in Section 3.1 and Tables 3a through 3c.

1.2.2 Groundwater Extraction and Treatment System

The GWE well network for hydrocarbon extraction from dissolved-phase subsurface impacts historically includes wells installed in the northwestern area (GW-2 and GW-13), central tank farm area (GW-14), and eastern boundary area (GW-15, GW-16, and GMW-58). The GWETS utilizes electric pumps in each of the GWE wells to pump groundwater in to a shared surge tank. Groundwater is transferred via a transfer pump from the surge tank through three bag filter vessels in series (BF1, BF2, and BF3), two MYCELX vessels in series (MX-7 and MX-21), three GAC vessels in series (2,000 pound GAC-1, 2,000 pound GAC-2, and 1,500 pound GAC-3) and a minimum of two ion exchange vessels (for arsenic treatment) in series prior to being discharged to the storm drain.

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

1.2.3 Biosparge System

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

1.2.4 LNAPL Removal

LNAPL wells are gauged periodically and product removal is conducted based on the measured LNAPL thickness in each target well. LNAPL removal wells are identified in Sections 3.3 and 3.4, and Tables 8a through 8i.

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 January 2015 and was completed during the current reporting period (only limited additional excavation work could potentially otherwise be conducted during the next reporting period if cross trenching activities planned to confirm the cleanup discover any areas that may have been missed). Ongoing treatment is achieved via the construction of biopiles that are connected to the SVE system for SCAQMD permit compliance purposes. From January 2015 through September 2016, a total estimated volume of 65,940 cubic yards of petroleum hydrocarbon contaminated soil was excavated at the Site to depths up to 35 feet below grade surface. The goal of this remediation is to cleanup source area soils that contribute to the degradation of groundwater, and to ready the real property of the Site for eventual conveyance.

2.0 OPERATIONS, MAINTENANCE AND MONITORING

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

- Performed weekly maintenance and monitoring of the VES and GWETS during operation;
- Collected and analyzed VES influent and effluent vapor samples;
- Collected and analyzed GWETS influent and effluent groundwater samples;
- Monitored aboveground soil treatment piles; and
- Regularly gauged wells connected to the product recovery system and adjusted pump cycle durations and frequencies accordingly to optimize LNAPL removal.

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

2.1 Soil Vapor Extraction System

The VES operated throughout the majority of the reporting period except for some brief off-line periods in mid-July and early September to conduct carbon change out activities. System OM&M details and performance results for the reporting period are summarized in Tables 3a, 3b and 3c.

Compliance and/or performance soil vapor samples from the VES were collected during the reporting period on July 6, August 8, and September 1, 2016. The vapor samples were delivered to American Analytics, Inc. of Chatsworth, California (American) for analysis. American is a laboratory certified by the California Department of Public Health Environmental Laboratory Accreditation Program (ELAP).

The vapor samples were analyzed for the following:

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

A historical summary of influent vapor analytical sample results is provided in Table 4. The laboratory analytical reports and chain-of-custody documents for these samples are included in Appendix A.

2.2 Groundwater Extraction and Treatment System

The GWETS also operated throughout the majority of the reporting period except for some brief off-line periods in early July and mid-September to conduct routine system maintenance. The

system was manually shutdown on September 26, 2016 and remained off-line through the remainder of the reporting period pending the completion of semi-annual groundwater monitoring and sampling activities. System OM&M details and performance results for the reporting period are summarized in Tables 2a, 2b and 2c.

Performance and compliance water samples from the GWETS were collected during the reporting period on July 11, August 1, and September 1, 2016. The water samples were delivered to ELAP certified American for analysis.

The water samples were analyzed for the following:

- TPHg and TPH quantified as diesel (TPHd) using EPA Method 8015M;
- VOCs using EPA Method 8260B;
- Metals (arsenic and copper) using EPA 6020;
- Oil and grease using Standard Method (SM) 5520 B;
- Turbidity using SM 2130 B;
- Sulfides using SM 4500 S2-D;
- Total dissolved solids using SM 2540 C;
- Total suspended solids using SM 2540 D;
- Settleable Solids using SM 2540 F;
- Methylene blue active substances (MBAS) using SM 5540 C;
- Phenols using EPA 420.1; and
- Biological oxygen demand (BOD) using SM 5210 B.

The GWETS effluent groundwater sampling results were provided under separate cover in SGI's *Groundwater Discharge Monitoring Report,* dated October 11, 2016. A historical summary of influent water analytical sample results is provided in Table 5. The laboratory analytical reports and chain-of-custody documents for these samples are included in Appendix A.

2.3 LNAPL Removal Via Bailing, Skimming and Absorbent Socks

Depth to product (DTP) and depth to groundwater (DTW) was measured to the nearest 0.01 foot from the top of the well casing (TOC) using an interface probe in select monitoring wells. LNAPL was removed from select wells via manually bailing, active pumping using a portable product skimmer and by utilizing absorbent socks installed in select wells. Mass and volume removal estimates using these techniques are summarized in Tables 8a through 8c along with associated LNAPL gauging results.

2.4 Product Recovery System

The permitting and installation of the product recovery system was completed on August 8, 2016 at which time full-scale operations commenced. Product recovery system OM&M continued through the remainder of the current reporting period. Details associated with the OM&M of the automated system are provided in Tables 8d through 8i.

2.5 Aboveground Soil Treatment

Soil biopiles were initially connected to the VES and brought online April 24, 2015 following the completion of aboveground treatment cell construction activities. Biopile OM&M continued throughout the current reporting period. Details associated with the OM&M of the biopiles are provided in Tables 3a through 3c. Further details regarding treatment cell construction and excavated soil cleanup activities are provided in SGI's Quarter 3, 2016 *Waste Discharge Requirements Progress Report.*

3.0 SUMMARY OF REMEDIATION PROGRESS

The following sections describe remedial progress at the Site.

3.1 Soil Vapor Extraction System

During the reporting period, the VES extracted soil vapors from three of the four horizontal wells that span through the entire former tank farm area (HW-1, HW-3, HW-5), and ex-situ biopiles from vadose zone soil excavation and treatment activities. The horizontal well valves were set to limit flow and allow for focused extraction from the biopliles in an effort to complete the ex-situ treatment of the remaining constructed cells within the near future. Extraction from other existing vapor extraction wells was not conducted based on field and/or laboratory data presented herein

The total mass of VOCs removed via SVE during this period (Third Quarter 2016) was approximately 866 pounds, and an estimated 2,948,581 pounds have been removed since April 1996 (Tables 3a, 3b, and 3c). The total mass removed by SVE does not include the mass removed *in-situ* via biodegradation.

3.2 Groundwater Extraction and Treatment System

During the reporting period, the GWETS extracted groundwater from the northwest (GW-2 and GW-13) and northeast (GW-15 and GW-16) areas of the Site. The total volume of groundwater extracted by the GWETS this quarter was approximately 698,046 gallons, and an estimated 75,461,337 gallons have been extracted since April 1996. Based on the TPHd results for influent water samples and total groundwater extracted, the mass of TPHd removed by GWE this period (Third Quarter 2016) was approximately 0.7 pounds (Table 2c), and an estimated 9,943 pounds have been removed since April 1996 (Table 2c).

3.3 LNAPL Removal Via Bailing, Skimming and Absorbent Socks

During the reporting period (Third Quarter 2016), DTW and DTP was measured in well GMW-62 located off site in Holifield Park, and wells TF-18, TF-19, GMW-7, and recently installed wells RTF-18-N, RTF-18-E, RTF-18-W, RTF-18-NW and RTF-18-NNW (all installed in the vicinity of existing well TF-18 to enhance LNAPL removal in that area). As detailed in the following section (Section 3.4), these recently installed wells have all been connected to an automated product recovery system. For the remaining listed wells, LNAPL was removed via manual bailing, active pumping using a portable product skimmer and/or by utilizing absorbent socks installed in select wells. Approximately 63 gallons (428 pounds) of LNAPL was recovered from the Site this period (Tables 8a through 8c) via these techniques.

3.4 Product Recovery System

The product recovery system began operating on August 8, 2016 following the completion of permitting and installation work. The system consists of four pneumatically activated product removal pumps deployed in key wells located in the north-central portion of the Site. The pumped product is routed to an aboveground storage tank located within the existing treatment compound via double contained conveyance piping for subsequent off-site removal by a licensed transport, recycling and disposal company.

During the current reporting period (Third Quarter 2016), a total of approximately 2,338 gallons (16,003 pounds) of LNAPL was pumped from wells TF-18, RTF-18-N, RTF-18-E., RTF-18-W, RTF-18-NW and RTF-18-NNW. Approximately 75% of this volume was removed from wells TF-18 and RTF-18-NW with wells RTF-18-N and RTF-18-E accounting for nearly the remainder of the product removed by the system this period. Mass and volume removal estimates from these wells along with LNAPL gauging results are summarized in Tables 8d through 8i.

When combined with the product recovery estimate from the preceding section (Section 3.3), a total of approximately 2,401 gallons (16,431 pounds) of LNAPL was removed from the Site during Third Quarter 2016, and an estimated 3,113 gallons (21,303 pounds) of LNAPL has been removed since January 2014. The advent of product recovery system operations since August 2016 has thus resulted in the successful removal of approximately 75% of all the LNAPL recovered from the Site to date.

Waste manifests associated with the product that was removed from storage drums and/or the above ground storage tank this period are provided as Appendix B. Note that the estimated product removal volumes shown on Tables 8d through 8i account for a 3% to 4% reduction in the volumes shown on each manifest on the basis of the percentage of water per load determined via laboratory analysis, as shown on the receiving tickets which are also included in Appendix B.

3.5 Aboveground Soil Treatment

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

4.0 SYSTEM EVALUATION AND OPTIMIZATION

Remedial system optimization activities are ongoing at the Site to help ensure effective cleanup operations.

For the VES, vapor-phase VOC concentrations from the horizontal and vertical wells remained relatively stable this quarter with wells HW-7, and VEW-32 through VEW-37 being left off-line based on continued low/asymptotic field readings (Table 6). Extraction from the remaining horizontal and vertical wells (i.e., HW-1, HW-3 and HW-5) continued during the reporting period based on field readings (Table 6) and August 2016 confirmation analytical sampling results (Table 7). However, flow rates from these wells were restricted during the current reporting period in an effort to focus extraction efforts on the soil biopiles and complete ex-situ treatment of the remaining constructed cells within the near future.

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

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

GWE in the northwest and northeast areas will continue to assist with contaminant containment. Additionally, absorbent sock installation and LNAPL recovery via pumping and/or manual bailing will continue along with full-scale OM&M of the product recovery system which started during the current reporting period. The four pneumatically activated product removal pumps associated with this system are rotated to other key wells in the north-central portion of the Site based on current performance and gauging data. Subsequent adjustments to the associated extraction frequency and duration of each pump are then made in an effort to maximize LNAPL yields without isolating a given well from the product plume. Once yields decline to the point where limited recovery is occurring from all of the pumping wells, follow up bail down testing will be conducted to establish current transmissivity values and help correlate apparent to actual product thicknesses. Pilot testing may also be necessary to evaluate the feasibility of system expansion and/or enhanced recovery technologies to allow for LNAPL removal to the maximum extent practicable.

5.0 PLANNED FOURTH QUARTER 2016 ACTIVITIES

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

- Continue weekly maintenance and monitoring of the VES and GWETS;
- Measure individual well vapor concentrations with an OVA;
- Collect individual well vapor samples for laboratory analysis;
- Continue regular LNAPL gauging and removal activities, including wells GWM-7, GWM-62 (located off site in Holifield Park) and TF-19 along with wells RTF-18-N, RTF-18-E, RTF-18-W, RTF-18-NW and RTF-18-NNW which were recently installed to enhance product removal in the vicinity of existing well TF-18;
- Continue controlled product recovery system OM&M from wells TF-18, RTF-18-N, RTF-18-E, RTF-18-W, RTF-18-NW and/or RTF-18-NNW, located in the north-central portion of the Site, with focused efforts in wells where LNAPL yields are the most significant;
- Collect and analyze SVE and GWE system influent and effluent vapor and groundwater samples;
- Continue to evaluate GWE flow rates and confirm contaminant containment;
- Conduct cross trenching in select areas of the site to confirm no additional soil excavation and ex-situ treatment is required;
- Continue on-site soil treatment of remaining constructed cells and ex-situ biopile remediation;
- Continue backfilling/compacting appropriate biopiles following confirmation of soil cleanup goals and LARWQCB approval to proceed; and
- Evaluate re-implementation of the biosparge system upon completion of soil cleanup activities.

Ongoing remediation activities and progress will be described in the *Fourth Quarter 2016 Remediation Progress Report* to be submitted by February 15, 2017.

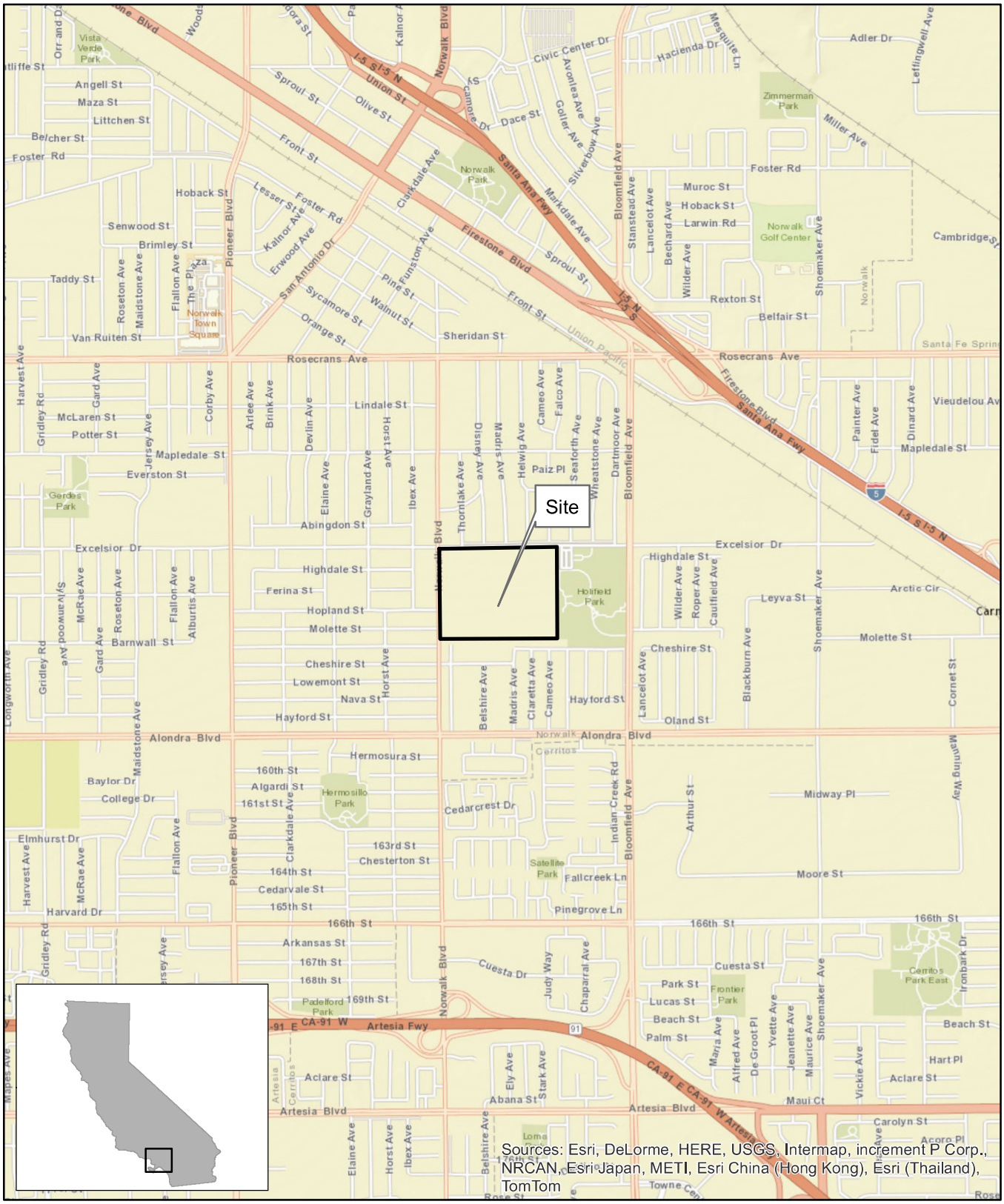
6.0 LIMITATIONS

This document was prepared for the exclusive use of the Defense Logistics Agency Installation Support for Energy (DLA) 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 must approve any re-use of this work product in whole or in part for a different purpose or by others in writing. If any such unauthorized use occurs, it shall be at the user's sole risk without liability to SGI or DLA.

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

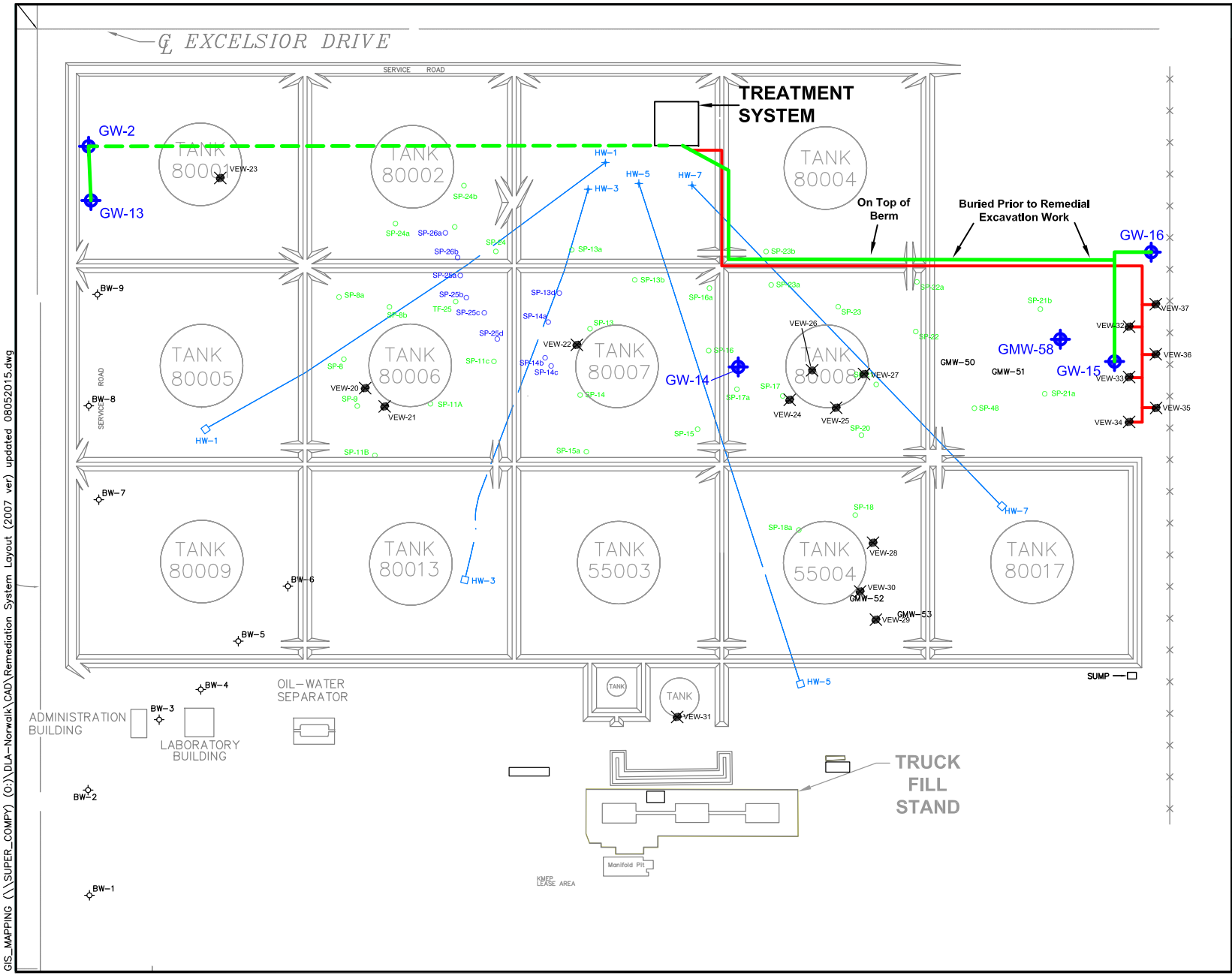
The presented findings and recommendations in this report are intended to be taken in their entirety to assist DLA and LARWQCB personnel in applying their own professional judgment in making decisions related to the property. SGI cannot provide conclusions on environmental conditions outside the completed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

FIGURES



SOURCE: ESRI 7.5 MINUTE TOPOGRAPHIC MAP. http://resources.esri.com/arcgisonlineservices	PROJECT NO.: 04-NDLA-003	DATE: 5/28/2014	DR.BY: JK	APP.BY: PP	SCALE= 1:24,000 (0, 1,000, 2,000, 4,000 Feet)	N
SGI environmental THE SOURCE GROUP, INC. 1962 FREEMAN AVENUE SIGNAL HILL, CA 90755 (562) 597-1055	DEFENSE FUEL SUPPORT POINT NORWALK 15306 NORWALK BOULEVARD NORWALK, CALIFORNIA				SITE LOCATION MAP	FIGURE 1

Document Name: Fig-1_Norwalk_Site_Location_Map



LEGEND

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

N

0 140 280
APPROXIMATE SCALE IN FEET

SITE MAP SHOWING REMEDIATION WELL AND PIPING LOCATIONS

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

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

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

FIGURE 2

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

TABLES

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

Remediation Area	Well	Notes	Installation Date	Casing Elevation (ft msl)	Total Depth (ft bgs)	Screen Interval (ft bgs)	Remediation Well Function
North-West (AST 80001)	GW-1		06/12/95	75.97	63	25 - 60	GWE
	GW-2		06/12/95	75.78	63	25 - 60	GWE
	GW-3		06/13/95	75.79	63	25 - 60	GWE
	GW-4		06/12/95	75.78	63	25 - 60	GWE
	GW-13		04/26/07	76.85	67	25 - 65	GWE
	VEW-23		08/03/04	76.20	25	15 - 25	SVE
North-Central (AST 80002, AST 80004, AST 80006, AST 80007, AST 80008, AST 8001, AST 55004)	HW-1		--	--	25	Continuous	SVE
	HW-3		--	--	25	Continuous	SVE
	HW-5		--	--	25	Continuous	SVE
	HW-7		--	--	25	Continuous	SVE
	GMW-21	1	08/02/91	76.23	50	25 - 50	TFE/GWE
	GW-14		04/26/07	76.54	67	25 - 65	GWE
	SP-8		--	--	50	48 - 50	Biosparge
	SP8a		--	--	50	48 - 50	Biosparge
	SP-8b		--	--	50	48 - 50	Biosparge
	SP-9		--	--	50	48 - 50	Biosparge
	SP-11		--	--	50	48 - 50	Biosparge
	SP-11a		--	--	50	48 - 50	Biosparge
	SP-11b		--	--	50	48 - 50	Biosparge
	SP-11c		--	--	50	48 - 50	Biosparge
	SP-13		--	--	50	48 - 50	Biosparge
	SP-13a		--	--	50	48 - 50	Biosparge
	SP-13b		--	--	50	48 - 50	Biosparge
	SP-13c		--	--	50	48 - 50	Biosparge
	SP-13d		--	--	50	48 - 50	Biosparge
	SP-14		--	--	50	48 - 50	Biosparge
	SP-14a		--	--	50	48 - 50	Biosparge
	SP-14b		--	--	50	48 - 50	Biosparge
	SP-14c		--	--	50	48 - 50	Biosparge
	SP-15		--	--	50	48 - 50	Biosparge
	SP-15a		--	--	50	48 - 50	Biosparge
	SP-16		--	--	50	48 - 50	Biosparge
	SP-17		--	--	50	48 - 50	Biosparge
	SP-17a		--	--	50	48 - 50	Biosparge
	SP-18		--	--	50	48 - 50	Biosparge
	SP-18a		--	--	50	48 - 50	Biosparge
	SP-20		--	--	50	48 - 50	Biosparge
	SP-20a		--	--	50	48 - 50	Biosparge
	SP-21		--	--	50	48 - 50	Biosparge
	SP-22		--	--	50	48 - 50	Biosparge

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

Remediation Area	Well	Notes	Installation Date	Casing Elevation (ft msl)	Total Depth (ft bgs)	Screen Interval (ft bgs)	Remediation Well Function
North-Central (AST 80002, AST 80004, AST 80006, AST 80007, AST 80008, AST 8001, AST 55004)	SP-23		--	--	50	48 - 50	Biosparge
	SP-23a		--	--	50	48 - 50	Biosparge
	SP-23b		--	--	50	48 - 50	Biosparge
	SP-23c		--	--	50	48 - 50	Biosparge
	SP-24		--	--	50	48 - 50	Biosparge
	SP-24a		--	--	50	48 - 50	Biosparge
	SP-24b		--	--	50	48 - 50	Biosparge
	SP-24c		--	--	50	48 - 50	Biosparge
	SP-25		--	--	50	48 - 50	Biosparge
	SP-25a		--	--	50	48 - 50	Biosparge
	SP-25b		--	--	50	48 - 50	Biosparge
	SP-25c		--	--	50	48 - 50	Biosparge
	SP-25d		--	--	50	48 - 50	Biosparge
	SP-26		--	--	50	48 - 50	Biosparge
	SP-26a		--	--	50	48 - 50	Biosparge
	TF-8		09/22/95	74.86	63	25 - 60	TFE, GWE
	TF-9		09/22/95	74.47	63	25 - 60	TFE, GWE
	TF-10		09/25/95	73.61	63	25 - 60	TFE, GWE
	TF-11		09/25/95	74.40	63	25 - 60	TFE, GWE
	TF-13		09/26/95	75.47	63	25 - 60	TFE, GWE
	TF-14		09/27/95	74.35	63	25 - 60	TFE, GWE
	TF-15		09/28/95	74.78	63	25 - 60	TFE, GWE
	TF-16		09/28/95	75.89	63	25 - 60	TFE, GWE
	TF-17		09/29/95	74.88	63	25 - 60	TFE, GWE
	TF-18		07/06/94	73.75	50.5	20 - 50	TFE, GWE
	TF-19		10/03/95	75.07	63	25 - 60	TFE, GWE
	TF-20		10/03/95	75.08	63	25 - 60	TFE, GWE
	TF-21		09/29/95	74.96	63	25 - 60	TFE, GWE
	TF-22		10/02/95	74.76	63	25 - 60	TFE, GWE
	TF-23		07/05/94	75.31	50.5	20 - 50	TFE, GWE
	TF-24	2	09/26/95	76.43	63	25 - 60	TFE, GWE
	TF-25		04/04/01	74.85	47	26 - 36	TFE, GWE
	TF-26		04/03/01	75.85	47	26 - 36	TFE, GWE
	VEW-20		08/02/04	75.95	25	15 - 25	SVE
	VEW-21		08/02/04	75.75	25	15 - 25	SVE
	VEW-22		08/02/04	77.09	20	10 - 20	SVE
	VEW-24		08/02/04	76.13	25	15 - 25	SVE
	VEW-25		08/02/04	76.14	25	15 - 25	SVE
	VEW-26		08/04/04	77.50	25	15 - 25	SVE
	VEW-27		08/04/04	77.07	25	15 - 25	SVE
	VEW-28		08/03/04	75.67	25	10 - 25	SVE
	VEW-29		08/03/04	75.25	25	10 - 25	SVE
	VEW-30		08/03/04	75.65	25	10 - 25	SVE
	RTF-18-N		12/28/15	75.17	40	25 - 40	TFE, GWE
	RTF-18-E		12/28/15	75.19	40	25 - 40	TFE, GWE
	RTF-18-W		12/28/15	74.86	40	25 - 40	TFE, GWE
	RTF-18-NW		12/29/15	76.22	40	25 - 40	TFE, GWE
	RTF-18-NNW		12/29/15	76.77	40	25 - 40	TFE, GWE

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

Remediation Area	Well	Notes	Installation Date	Casing Elevation (ft msl)	Total Depth (ft bgs)	Screen Interval (ft bgs)	Remediation Well Function
North-East	BSP-1		04/18/07	--	50	47 - 49	Biosparge
	BSP-2		04/18/07	--	50	48 - 50	Biosparge
	BSP-3		04/17/07	--	48	46 - 48	Biosparge
	BSP-4		04/17/07	--	49	47 - 49	Biosparge
	BSP-5		04/17/07	--	49.5	47 - 49	Biosparge
	BSP-6		04/18/07	--	49	47 - 49	Biosparge
	BSP-7		04/19/07	--	48	46 - 48	Biosparge
	BSP-8		04/19/07	--	48	46 - 48	Biosparge
	BSP-9		04/19/07	--	48	46 - 48	Biosparge
	GMW-58		08/14/98	75.48	55	20 - 55	GWE
	GW-15		04/26/07	74.94	60.5	20.5 - 60.6	GWE
	GW-16		07/07/09	76.33	63	20.5 - 60.5	GWE
	SP-21a		--	--	50	48 - 50	Biosparge
	SP-21b		--	--	50	48 - 50	Biosparge
	SP-48		--	--	50	48 - 50	Biosparge
	VEW-32		04/11/07	--	25	10 - 25	SVE
	VEW-33		04/11/07	--	25	10 - 25	SVE
	VEW-34		04/11/07	--	25	10 - 25	SVE
	VEW-35		04/10/07	--	25	10 - 25	SVE
	VEW-36		04/10/07	--	25	10 - 25	SVE
	VEW-37		40/10/07	--	25	10 - 25	SVE
Former Truck Fueling Area and Adjacent Water Tank Area	VEW-31		08/03/04	75.10	15	5 - 15	SVE
	VW-07		--	75.64	--	--	SVE
	VW-09		--	75.77	--	--	SVE
	VW-10		03/23/04	75.78	30.5	20 - 30	SVE
	VW-11		03/23/04	75.55	25	20 - 25	SVE
	VW-12		03/23/04	75.79	30.5	15 - 30	SVE
	VW-13		03/23/04	75.42	29	25 - 29	SVE
	VW-14		03/23/04	75.89	28	15 - 28	SVE
	VW-15		04/14/04	75.45	30	20 - 30	SVE
	VW-16		04/14/04	75.29	30	20 - 30	SVE

Legend/Notes :
ft msl = Feet above mean sea level
ft bgs = Feet below ground surface
AST = Aboveground storage tank
GWE = Groundwater extraction
SVE = Soil vapor extraction
TFE = Total fluids extraction
-- = Information not available
1 = Also referred to as TF-24.
2 = Also referred to as "old TF-24" or "former TF-24".

TABLE 2a

Groundwater Extraction and Treatment System Operations Summary - July

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	GW-2 Totalizer Reading (gallons)	GW-13 Totalizer Reading (gallons)	GW-15 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from North-East Area (gallons)	Groundwater Extracted from North-West Area (gallons)	NPDES Discharge Totalizer Reading (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed [A] (lb)
07/01/16	*		600,946	3,634,546	1,794,946	7,501,913	9,296,859	4,235,492	74,765,283	--	9,942
07/02/16	*		602,380	3,635,940	1,795,942	7,503,307	9,299,249	4,238,320	74,767,274	--	9,942
07/03/16	*		603,814	3,637,335	1,796,938	7,504,702	9,301,639	4,241,149	74,769,266	--	9,942
07/04/16	*		605,248	3,638,729	1,797,933	7,506,096	9,304,029	4,243,977	74,771,258	--	9,942
07/05/16	Technician	1	606,712	3,640,152	1,798,950	7,507,519	9,306,469	4,246,864	74,773,291	--	9,942
07/06/16	*		608,265	3,641,643	1,800,055	7,509,425	9,309,481	4,249,908	74,779,765	--	9,942
07/07/16	*		609,818	3,643,134	1,801,161	7,511,332	9,312,492	4,252,952	74,786,240	--	9,942
07/08/16	*		611,371	3,644,625	1,802,266	7,513,238	9,315,504	4,255,997	74,792,714	--	9,942
07/09/16	*		612,924	3,646,117	1,803,371	7,515,145	9,318,516	4,259,041	74,799,189	--	9,942
07/10/16	*		614,477	3,647,608	1,804,476	7,517,051	9,321,528	4,262,085	74,805,663	--	9,942
07/11/16	Technician	2	616,122	3,649,187	1,805,647	7,519,070	9,324,717	4,265,309	74,812,520	330	9,942
07/12/16	*		619,454	3,652,508	1,807,800	7,523,063	9,330,863	4,271,962	74,822,650	--	9,942
07/13/16	*		622,786	3,655,828	1,809,953	7,527,056	9,337,009	4,278,615	74,832,781	--	9,942
07/14/16	*		626,118	3,659,149	1,812,106	7,531,049	9,343,155	4,285,267	74,842,911	--	9,942
07/15/16	Technician		630,006	3,663,023	1,814,618	7,535,708	9,350,326	4,293,029	74,854,730	--	9,942
07/16/16	*		633,269	3,666,359	1,817,565	7,539,043	9,356,609	4,299,628	74,864,940	--	9,942
07/17/16	*		636,532	3,669,696	1,820,513	7,542,378	9,362,891	4,306,228	74,875,150	--	9,942
07/18/16	Technician		638,923	3,672,140	1,822,672	7,544,822	9,367,494	4,311,063	74,882,630	--	9,942
07/19/16	*		641,945	3,675,515	1,825,531	7,548,094	9,373,625	4,317,460	74,891,916	--	9,943
07/20/16	*		644,967	3,678,890	1,828,391	7,551,366	9,379,757	4,323,857	74,901,201	--	9,943
07/21/16	*		647,989	3,682,265	1,831,250	7,554,638	9,385,888	4,330,254	74,910,487	--	9,943
07/22/16	Technician	3	651,704	3,686,413	1,834,765	7,558,660	9,393,425	4,338,117	74,921,900	--	9,943
07/23/16	*		651,704	3,689,020	1,836,402	7,560,521	9,396,922	4,340,724	74,926,918	--	9,943
07/24/16	*		651,704	3,691,627	1,838,038	7,562,381	9,400,420	4,343,331	74,931,937	--	9,943
07/25/16	*		651,704	3,694,234	1,839,675	7,564,242	9,403,917	4,345,938	74,936,955	--	9,943
07/26/16	*		651,704	3,696,841	1,841,312	7,566,103	9,407,415	4,348,545	74,941,973	--	9,943
07/27/16	Technician		651,704	3,699,068	1,842,710	7,567,692	9,410,402	4,350,772	74,946,260	--	9,943
07/28/16	*		651,704	3,704,612	1,846,068	7,571,019	9,417,087	4,356,316	74,954,151	--	9,943
07/29/16	*		651,704	3,710,155	1,849,426	7,574,346	9,423,772	4,361,859	74,962,042	--	9,943
07/30/16	*		651,704	3,715,699	1,852,784	7,577,673	9,430,457	4,367,403	74,969,933	--	9,943
07/31/16	*		651,704	3,721,243	1,856,142	7,581,000	9,437,142	4,372,947	74,977,824	--	9,943

Cumulative Groundwater Discharged by the GWETS to Date (gallons)							
Period	July	Quarter 1, 2016	Quarter 2, 2016	Quarter 3, 2016	Quarter 4, 2016	2016 to Date	April 1996 to Date
Volume	214,533	496,032	407,531	214,533	--	1,118,096	74,977,824

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	July	Quarter 3 to Date	April 1996 to Date
Mass	0.57	0.57	9,942.8

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

Legend / Notes:

1 = GWETS temporarily off-line for maintenance.

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

3 = GW-2 manually shut down for maintenance.

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

GWETS = Groundwater extraction and treatment system

µg/L - Micrograms per liter

lb = Pounds

DRO = Diesel range organics

A = Hydrocarbon removal is calculated using analytical laboratory result for DRO (if not detected, half the detection limit is used) from sample collected on: 07/11/16 (laboratory report attached).

-- = Not applicable

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

TABLE 2b

Groundwater Extraction and Treatment System Operations Summary - August

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	GW-2 Totalizer Reading (gallons)	GW-13 Totalizer Reading (gallons)	GW-15 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from North-East Area (gallons)	Groundwater Extracted from North-West Area (gallons)	NPDES Discharge Totalizer Reading (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed [A] (lb)
08/01/16	Technician	1,2,3	651,704	3,726,825	1,859,523	7,584,350	9,443,873	4,378,529	74,985,770	30	9,943
08/02/16	*		651,704	3,732,010	1,862,726	7,587,626	9,450,351	4,383,714	74,992,910	--	9,943
08/03/16	*		651,704	3,737,195	1,865,928	7,590,901	9,456,829	4,388,899	75,000,049	--	9,943
08/04/16	Technician	4	651,704	3,743,172	1,869,620	7,594,677	9,464,297	4,394,876	75,008,280	--	9,943
08/05/16	*		654,828	3,746,780	1,872,936	7,598,020	9,470,956	4,401,608	75,018,482	--	9,943
08/06/16	*		657,952	3,750,387	1,876,252	7,601,362	9,477,614	4,408,339	75,028,683	--	9,943
08/07/16	*		661,076	3,753,995	1,879,568	7,604,705	9,484,273	4,415,071	75,038,885	--	9,943
08/08/16	Technician		664,167	3,757,565	1,882,849	7,608,013	9,490,862	4,421,732	75,048,980	--	9,943
08/09/16	*		667,117	3,761,054	1,886,160	7,611,247	9,497,408	4,428,171	75,058,447	--	9,943
08/10/16	*		670,067	3,764,543	1,889,472	7,614,482	9,503,953	4,434,610	75,067,914	--	9,943
08/11/16	*		673,017	3,768,031	1,892,783	7,617,716	9,510,499	4,441,048	75,077,381	--	9,943
08/12/16	Technician		676,223	3,771,823	1,896,382	7,621,231	9,517,613	4,448,046	75,087,670	--	9,943
08/13/16	*		679,193	3,775,379	1,899,983	7,624,611	9,524,594	4,454,572	75,097,369	--	9,943
08/14/16	*		682,163	3,778,935	1,903,585	7,627,991	9,531,576	4,461,098	75,107,069	--	9,943
08/15/16	Technician		684,494	3,781,725	1,906,411	7,630,643	9,537,054	4,466,219	75,114,680	--	9,943
08/16/16	Technician		687,791	3,785,680	1,910,399	7,634,337	9,544,736	4,473,471	75,124,290	--	9,943
08/17/16	*		690,552	3,789,017	1,913,878	7,637,566	9,551,444	4,479,569	75,133,403	--	9,943
08/18/16	*		693,313	3,792,354	1,917,357	7,640,795	9,558,152	4,485,667	75,142,515	--	9,943
08/19/16	*		696,074	3,795,691	1,920,835	7,644,024	9,564,859	4,491,765	75,151,628	--	9,943
08/20/16	*		698,835	3,799,028	1,924,314	7,647,253	9,571,567	4,497,863	75,160,741	--	9,943
08/21/16	*		701,596	3,802,364	1,927,793	7,650,482	9,578,275	4,503,961	75,169,854	--	9,943
08/22/16	Technician	5	703,648	3,804,844	1,930,378	7,652,881	9,583,259	4,508,492	75,176,625	--	9,943
08/23/16	*		703,648	3,808,824	1,933,863	7,656,073	9,589,936	4,512,472	75,184,975	--	9,943
08/24/16	Technician		703,648	3,813,688	1,938,122	7,659,975	9,598,097	4,517,336	75,195,180	--	9,943
08/25/16	*		703,648	3,817,741	1,941,344	7,660,161	9,601,504	4,521,389	75,202,841	--	9,943
08/26/16	*		703,648	3,821,794	1,944,565	7,660,346	9,604,911	4,525,442	75,210,503	--	9,943
08/27/16	*		703,648	3,825,847	1,947,787	7,660,532	9,608,319	4,529,495	75,218,164	--	9,943
08/28/16	*		703,648	3,829,900	1,951,008	7,660,718	9,611,726	4,533,548	75,225,825	--	9,943
08/29/16	*		703,648	3,833,953	1,954,230	7,660,903	9,615,133	4,537,601	75,233,487	--	9,943
08/30/16	Technician	4	703,648	3,838,287	1,957,675	7,661,102	9,618,777	4,541,935	75,241,680	--	9,943
08/31/16	*		706,298	3,842,213	1,962,046	7,662,185	9,624,231	4,548,511	75,249,920	--	9,943

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	August	Quarter 1, 2016	Quarter 2, 2016	Quarter 3, 2016	Quarter 4, 2016	2016 to Date	April 1996 to Date
Volume	272,096	496,032	407,531	486,629	--	1,390,192	75,249,920

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	August	Quarter 3 to Date	April 1996 to Date
Mass	0.07	0.64	9,942.8

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

Legend / Notes:

1 = Collected monthly process, intermediate and effluent water samples for laboratory analysis.
2 = Collected quarterly effluent water samples for laboratory analysis.
3 = Measured residual chlorine in the field using HACH Test Kit Model CN-70 per the request of Mr. Jose Morales of the RWQCB during a routine GWETS inspection on 04/15/16.
4 = GW-2 restarted.
5 = GW-2 manually shut down for maintenance.

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

GWETS = Groundwater extraction and treatment system
µg/L - Micrograms per liter
lb = Pounds
DRO = Diesel range organics

A = Hydrocarbon removal is calculated using analytical laboratory result for DRO (if not detected, half the detection limit is used) from sample collected on: 08/01/16 (laboratory report attached).
-- = Not applicable

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

TABLE 2c

Groundwater Extraction and Treatment System Operations Summary - September

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	GW-2 Totalizer Reading (gallons)	GW-13 Totalizer Reading (gallons)	GW-15 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from North-East Area (gallons)	Groundwater Extracted from North-West Area (gallons)	NPDES Discharge Totalizer Reading (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed [A] (lb)
09/01/16	Technician	1	708,092	3,844,872	1,965,005	7,662,918	9,627,923	4,552,964	75,255,500	30	9,943
09/02/16	*		710,930	3,847,340	1,968,474	7,665,535	9,634,009	4,558,269	75,264,323	--	9,943
09/03/16	*		713,767	3,849,807	1,971,942	7,668,152	9,640,095	4,563,575	75,273,146	--	9,943
09/04/16	*		716,605	3,852,275	1,975,411	7,670,770	9,646,181	4,568,880	75,281,969	--	9,943
09/05/16	*		719,443	3,854,743	1,978,880	7,673,387	9,652,267	4,574,186	75,290,792	--	9,943
09/06/16	Technician		723,049	3,857,879	1,983,288	7,676,713	9,660,001	4,580,928	75,302,005	--	9,943
09/07/16	*		725,740	3,860,235	1,987,491	7,679,753	9,667,244	4,585,975	75,311,600	--	9,943
09/08/16	*		728,430	3,862,591	1,991,693	7,682,793	9,674,486	4,591,021	75,321,195	--	9,943
09/09/16	Technician		730,570	3,864,464	1,995,035	7,685,210	9,680,245	4,595,034	75,328,825	--	9,943
09/10/16	*		733,098	3,866,774	1,998,644	7,687,840	9,686,485	4,599,872	75,337,425	--	9,943
09/11/16	*		735,626	3,869,083	2,002,254	7,690,471	9,692,725	4,604,709	75,346,024	--	9,943
09/12/16	Technician	2	738,725	3,871,914	2,006,678	7,693,695	9,700,373	4,610,639	75,356,565	--	9,943
09/13/16	*		741,387	3,874,367	2,009,392	7,696,556	9,705,948	4,615,754	75,364,398	--	9,943
09/14/16	*		744,049	3,876,819	2,012,107	7,699,416	9,711,523	4,620,868	75,372,232	--	9,943
09/15/16	*		746,711	3,879,272	2,014,821	7,702,277	9,717,098	4,625,983	75,380,065	--	9,943
09/16/16	Technician		748,791	3,881,188	2,016,942	7,704,512	9,721,454	4,629,979	75,386,185	--	9,943
09/17/16	*		750,851	3,882,637	2,018,782	7,706,281	9,725,063	4,633,487	75,393,643	--	9,943
09/18/16	*		752,910	3,884,085	2,020,622	7,708,050	9,728,672	4,636,995	75,401,101	--	9,943
09/19/16	Technician		755,456	3,885,876	2,022,897	7,710,236	9,733,133	4,641,332	75,410,320	--	9,943
09/20/16	*		758,098	3,888,924	2,026,100	7,713,888	9,739,988	4,647,022	75,417,386	--	9,943
09/21/16	*		760,741	3,891,971	2,029,302	7,717,541	9,746,843	4,652,712	75,424,453	--	9,943
09/22/16	Technician		762,869	3,894,426	2,031,882	7,720,483	9,752,365	4,657,295	75,430,145	--	9,943
09/23/16	*		765,340	3,896,679	2,034,376	7,723,393	9,757,770	4,662,019	75,438,088	--	9,943
09/24/16	*		767,811	3,898,932	2,036,871	7,726,303	9,763,174	4,666,743	75,446,031	--	9,943
09/25/16	*		770,282	3,901,185	2,039,365	7,729,213	9,768,579	4,671,467	75,453,973	--	9,943
09/26/16	Technician	3	772,573	3,903,274	2,041,678	7,731,911	9,773,589	4,675,847	75,461,337	--	9,943
09/27/16	Off line		772,573	3,903,274	2,041,678	7,731,911	9,773,589	4,675,847	75,461,337	--	9,943
09/28/16	Off line		772,573	3,903,274	2,041,678	7,731,911	9,773,589	4,675,847	75,461,337	--	9,943
09/29/16	Off line		772,573	3,903,274	2,041,678	7,731,911	9,773,589	4,675,847	75,461,337	--	9,943
09/30/16	Off line		772,573	3,903,274	2,041,678	7,731,911	9,773,589	4,675,847	75,461,337	--	9,943

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	September	Quarter 1, 2016	Quarter 2, 2016	Quarter 3, 2016	Quarter 4, 2016	2016 to Date	April 1996 to Date
Volume	211,417	496,032	407,531	698,046	--	1,601,609	75,461,337

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	September	Quarter 3 to Date	April 1996 to Date
Mass	0.05	0.69	9,942.9

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

Legend / Notes:

1 = Collected monthly influent, intermediate, and effluent water samples for laboratory analysis.
2 = GWETS temporarily off-line for maintenance.
3 = GWETS manually shut down in advance of groundwater monitoring and sampling activities.

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

GWETS = Groundwater extraction and treatment system
µg/L - Micrograms per liter
lb = Pounds
DRO = Diesel range organics

A = Hydrocarbon removal is calculated using analytical laboratory results for DRO (if not detected, half the detection limit is used) from sample collected on: 09/01/16 (laboratory report attached).
-- = Not applicable
* = Operational values interpolated from chart recorder data or previous monitoring event.

TABLE 3a

Soil Vapor Extraction System Operations Summary - July

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	VES Hour Meter Reading (hours)	VES Process Flow [A] (scfm)	VES Manifold Vacuum (in. Hg)	Carbon Inlet Temperature (°F)	Laboratory Process Concentration (ppmv)	Field Process Concentration [B,C] (ppmv)	Field Effluent Concentration [B,C] (ppmv)	Cumulative Vapor-Phase GRO Removed [D] (lb)
07/01/16	*		37,710	811	--	--	--	--	--	2,947,733
07/02/16	*		37,734	811	--	--	--	--	--	2,947,751
07/03/16	*		37,758	811	--	--	--	--	--	2,947,768
07/04/16	*		37,782	811	--	--	--	--	--	2,947,786
07/05/16	Technician	1	37,806	794	3	122	--	57	0.0	2,947,803
07/06/16	Technician	2,3	37,830	807	3	113	37	49	0.0	2,947,814
07/07/16	*		37,854	807	--	--	--	--	--	2,947,825
07/08/16	*		37,878	807	--	--	--	--	--	2,947,835
07/09/16	*		37,902	807	--	--	--	--	--	2,947,846
07/10/16	*		37,926	807	--	--	--	--	--	2,947,857
07/11/16	Technician		37,950	814	3	124	--	43	0.0	2,947,868
07/12/16	*		37,974	814	--	--	--	--	--	2,947,879
07/13/16	Technician		37,998	830	2	118	--	44	0.0	2,947,890
07/14/16	*		38,022	830	--	--	--	--	--	2,947,902
07/15/16	Technician		38,046	788	3	131	--	48	0.0	2,947,912
07/16/16	*		38,070	788	--	--	--	--	--	2,947,923
07/17/16	*		38,094	788	--	--	--	--	--	2,947,933
07/18/16	Technician	3,4	38,118	801	3	128	--	227	0.0	2,947,944
07/19/16	Technician	5	38,136	814	3	128	--	215	0.0	2,947,955
07/20/16	*		38,160	814	--	--	--	--	--	2,947,966
07/21/16	*		38,184	814	--	--	--	--	--	2,947,977
07/22/16	Technician		38,211	808	3	130	--	256	0.0	2,947,988
07/23/16	*		38,235	808	--	--	--	--	--	2,947,999
07/24/16	*		38,259	808	--	--	--	--	--	2,948,010
07/25/16	*		38,283	808	--	--	--	--	--	2,948,021
07/26/16	*		38,307	808	--	--	--	--	--	2,948,032
07/27/16	Technician		38,326	833	3	130	--	229	0.0	2,948,043
07/28/16	*		38,350	833	--	--	--	--	--	2,948,054
07/29/16	Technician	6	38,374	810	3	130	--	195	0.0	2,948,065
07/30/16	*		38,398	810	--	--	--	--	--	2,948,076
07/31/16	*		38,422	810	--	--	--	--	--	2,948,087

Cumulative Mass TPHg Removed by the VES [D] (lb)			
Period	July	Quarter 3 to Date	April 1996 to Date
Mass	371	371	2,948,087

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

Legend / Notes:

1 = Valved down VES wells HW-1 and HW-5 and closed HW-3 to focus extraction efforts on soil piles.
2 = Collected monthly influent, after GAC-1, after GAC-2, and effluent samples for laboratory analysis.
3 = Measured individual well and/or soil biopile vapor concentrations with an OVA.
4 = Repaired header line leaks discovered during a routine conveyance piping inspection.
5 = VES temporarily off-line for a few hours to conduct carbon change out work.
6 = Select soil biopiles brought online and/or taken off-line.

Vapor extraction wells on line this month: HW-1, HW-3, HW-5
Soil biopiles on line this month: Powerine P-SP-01, 80002 M-SP-01, N-SP-01 and Q-SP-01, 80006 O-SP-01 through T-SP-01, 80013 D-SP-01, and F-SP-01 through I-SP-01, and Operations A, B and C

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

A = Reading from chart recorder.
B = Concentrations obtained with a calibrated organic vapor analyzer (OVA).
C = Concentrations correlated to laboratory data and expressed as hexane.
D = Hydrocarbon removal is calculated using analytical laboratory result for GRO (if not detected, half the detection limit is used) from sample collected on: 07/06/16 (laboratory report attached).
-- = Not applicable or not measured
* = Operational values interpolated from chart recorder data or previous monitoring event.

TABLE 3b

Soil Vapor Extraction System Operations Summary - August

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	VES Hour Meter Reading (hours)	VES Process Flow [A] (scfm)	VES Manifold Vacuum (in. Hg)	Carbon Inlet Temperature (°F)	Laboratory Process Concentration (ppmv)	Field Process Concentration [B,C] (ppmv)	Field Effluent Concentration [B,C] (ppmv)	Cumulative Vapor-Phase GRO Removed [D] (lb)
08/01/16	Technician		38,446	801	3	132	--	190	0	2,948,098
08/02/16	*		38,470	801	--	--	--	--	--	2,948,108
08/03/16	*		38,494	801	--	--	--	--	--	2,948,119
08/04/16	Technician	1,2	38,518	798	3	130	--	172	0.0	2,948,130
08/05/16	Technician	1	38,542	817	3	124	--	155	0.0	2,948,141
08/06/16	*		38,566	817	--	--	--	--	--	2,948,152
08/07/16	*		38,590	817	--	--	--	--	--	2,948,163
08/08/16	Technician	3	38,614	794	3	120	36	214	0.0	2,948,174
08/09/16	*		38,638	794	--	--	--	--	--	2,948,184
08/10/16	*		38,662	794	--	--	--	--	--	2,948,195
08/11/16	*		38,686	794	--	--	--	--	--	2,948,206
08/12/16	Technician		38,710	814	2	120	--	263	0.0	2,948,217
08/13/16	*		38,734	814	--	--	--	--	--	2,948,227
08/14/16	*		38,758	814	--	--	--	--	--	2,948,238
08/15/16	*		38,782	814	--	--	--	--	--	2,948,249
08/16/16	Technician	1,4	38,806	794	3	122	--	136	0.0	2,948,260
08/17/16	*		38,830	794	--	--	--	--	--	2,948,271
08/18/16	Technician		38,854	778	3	132	--	109	0.2	2,948,281
08/19/16	*		38,878	778	--	--	--	--	--	2,948,291
08/20/16	*		38,902	778	--	--	--	--	--	2,948,302
08/21/16	*		38,926	778	--	--	--	--	--	2,948,312
08/22/16	Technician	1,2	38,950	791	3	130	--	88	0.4	2,948,323
08/23/16	*		38,974	791	--	--	--	--	--	2,948,333
08/24/16	*		38,998	791	--	--	--	--	--	2,948,344
08/25/16	*		39,022	791	--	--	--	--	--	2,948,355
08/26/16	Technician		39,046	807	3	124	--	76	1.8	2,948,365
08/27/16	*		39,070	807	--	--	--	--	--	2,948,376
08/28/16	*		39,094	807	--	--	--	--	--	2,948,387
08/29/16	*		39,118	807	--	--	--	--	--	2,948,398
08/30/16	Technician		39,142	798	3	134	--	60	1.7	2,948,409
08/31/16	*		39,166	798	--	--	--	--	--	2,948,419

Cumulative Mass TPHg Removed by the VES [A] (lb)			
Period	August	Quarter 3 to Date	April 1996 to Date
Mass	332	704	2,948,419

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

Legend / Notes:

1 = Measured individual well and/or soil biopile vapor concentrations with an OVA.
2 = Select soil biopiles brought online and/or taken off-line.
3 = Collected indivdual well vapor samples for laboratory analysis.
4 = Slightly opened VES well HW-3 and valved down wells HW-1 and HW-5 to further focus extraction efforts on soil piles.

Vapor extraction wells on line this month: HW-1, HW-3, HW-5
Soil biopiles on line this month: Powerine P-SP-01, 80002 M-SP-01, N-SP-01 and Q-SP-01, 80006 D-SP-01 and O-SP-01 through S-SP-01, 80013 D-SP-01, and F-SP-01 through I-SP-01, and Operations A and B

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

A = Reading from chart recorder.
B = Concentrations obtained with a calibrated organic vapor analyzer (OVA).
C = Concentrations correlated to laboratory data and expressed as hexane.
D = Hydrocarbon removal is calculated using analytical laboratory results for GRO (if not detected, half the detection limit is used) from samples collected on: 07/06/16 and 08/08/16 (laboratory reports attached).
-- = Not applicable or not measured
* = Operational values interpolated from chart recorder data or previous monitoring event.

TABLE 3c

Soil Vapor Extraction System Operations Summary - September

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	VES Hour Meter Reading (hours)	VES Process Flow [A] (scfm)	VES Manifold Vacuum (in. Hg)	Carbon Inlet Temperature (°F)	Laboratory Process Concentration (ppmv)	Field Process Concentration [B,C] (ppmv)	Field Effluent Concentration [B,C] (ppmv)	Cumulative Vapor-Phase GRO Removed [D] (lb)
09/01/16	Technician	1,2	39,188	788	3	119	18	46	3	2,948,425
09/02/16	*		39,212	788	--	--	--	--	--	2,948,430
09/03/16	*		39,236	788	--	--	--	--	--	2,948,435
09/04/16	*		39,260	788	--	--	--	--	--	2,948,440
09/05/16	*		39,284	788	--	--	--	--	--	2,948,446
09/06/16	Technician		39,308	827	--	--	--	--	--	2,948,451
09/07/16	Technician	3	39,329	811	3	122	--	59	0.0	2,948,457
09/08/16	*		39,353	811	--	--	--	--	--	2,948,462
09/09/16	Technician		39,377	801	3	125	--	61	0.0	2,948,468
09/10/16	*		39,401	801	--	--	--	--	--	2,948,473
09/11/16	*		39,425	801	--	--	--	--	--	2,948,479
09/12/16	Technician		39,452	814	3	115	--	51	0.0	2,948,484
09/13/16	*		39,476	814	--	--	--	--	--	2,948,490
09/14/16	*		39,500	814	--	--	--	--	--	2,948,495
09/15/16	*		39,524	814	--	--	--	--	--	2,948,500
09/16/16	Technician		39,548	811	3	110	--	74	0.0	2,948,506
09/17/16	*		39,572	811	--	--	--	--	--	2,948,511
09/18/16	*		39,596	811	--	--	--	--	--	2,948,517
09/19/16	Technician		39,620	788	3	119	--	64	0	2,948,522
09/20/16	*		39,644	788	--	--	--	--	--	2,948,528
09/21/16	Technician		39,668	804	3	126	--	56	0.0	2,948,533
09/22/16	*		39,692	804	--	--	--	--	--	2,948,538
09/23/16	Technician		39,716	808	3	127	--	72	0.0	2,948,544
09/24/16	*		39,740	808	--	--	--	--	--	2,948,549
09/25/16	*		39,764	808	--	--	--	--	--	2,948,555
09/26/16	*		39,788	808	--	--	--	--	--	2,948,560
09/27/16	*		39,812	808	--	--	--	--	--	2,948,566
09/28/16	Technician	2,4	39,836	788	4	132	--	74	0.0	2,948,571
09/29/16	*		39,860	788	--	--	--	--	--	2,948,576
09/30/16	Technician		39,884	772	3	126	--	78	0.0	2,948,581

Cumulative Mass TPHg Removed by the VES [A] (lb)			
Period	September	Quarter 3 to Date	April 1996 to Date
Mass	162	866	2,948,581

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

Legend / Notes:

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

Vapor extraction wells on line this month: HW-1, HW-3, HW-5
Soil biopiles on line this month: Powerine P-SP-01, 80001-B, 80002 M-SP-01 through P-SP-01, 80006 D-SP-01 and N-SP-01 through S-SP-01, 80013 D-SP-01, and F-SP-01 through I-SP-01, and Operations A and B

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

A = Reading from chart recorder.
B = Concentrations obtained with a calibrated organic vapor analyzer (OVA).
C = Concentrations correlated to laboratory data and expressed as hexane.
D = Hydrocarbon removal is calculated using analytical laboratory results for GRO (if not detected, half the detection limit is used) from sample collected on: 09/01/16 (laboratory report attached).
-- = Not applicable or not measured
* = Operational values interpolated from chart recorder data or previous monitoring event.

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

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

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

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

Legend / Notes on Next Page.

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

Sample Date	Notes	VES Wells On Line	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		GRO as Hexane		Benzene		Toluene		Ethylbenzene		o-Xylene		m,p-Xylenes		Total Xylenes		MTBE	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)

Legend / Notes:

Data collected prior to April 2014 not verified for completeness nor accuracy.
Influent vapor sample inadvertently not collected during August 2016.
VES = Soil vapor extraction system
GRO = Gasoline range organics
MTBE = Methyl tertiary-butyl ether
OVA = Organic Vapor Analyzer (calibrated or correlated to Hexane)
ppmv = Parts per million by volume
µg/L = Micrograms per liter
<1 = Not detected at or above the Method Reporting Limit (MRL) shown.
-- = Not available or not analyzed

1 = VES manually shut down on 05/29/14.
2 = VES restarted.
3 = Closed vapor extraction wells VEW-35, VEW-36, and VEW-37 on 08/27/14 based on field PID readings (see Table 6 for details).
4 = VES manually shut down.
5 = VES restarted on 11/03/14.
6 = Select soil biopiles also on line (see Tables 3a through 3c for details).
7 = Closed all vapor extraction wells from 05/07/15 to 06/03/15, and 05/25/16 to 06/17/16, respectively, to focus extraction efforts on soil biopiles.
8 = Opened vapor extraction wells VEW-32, VEW-33 and VEW-34.
9 = Additional sample collected for laboratory analysis as part of field instrument correlation study.
10 = Opened vapor extraction wells HW-1, HW-3 and HW-5 on 08/10/15 based on field PID readings (see Table 6 for details).
11 = Closed vapor extraction well VEW-34 on 08/19/15 based on low to non-detectable lab results (see Table 7 for details).
12 = Opened vapor extraction wells HW-1, HW-3 and HW-5 on 06/17/16.
13 = Valved down vapor extraction wells HW-1, HW-3 and/or HW-5 while leaving all other wells closed to focus extraction efforts on soil biopiles.

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	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**260**	**1,400**	**21**	**0.71**	**10**	**62**	**18**	<7.0	<0.40	<0.50	<0.40	<0.30
12/17/14	4	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**190**	**880**	**23**	**0.66**	**8.8**	**48**	**14**	<7.0	<0.40	<0.50	<0.40	<0.30
01/14/15	1,2	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**4,600**	**3,800**	**150**	**2.8**	**29**	**130**	**37**	<7.0	<0.40	<0.50	<0.40	<0.30
02/20/15	2,4	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**2,500**	**8,100**	**230**	**9.8**	**220**	**880**	**220**	<7.0	**0.45**	<0.50	<0.40	<0.30
03/27/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**620**	**980**	**9.9**	<0.30	**2.7**	**18**	**5.9**	<7.0	**1.0**	<0.50	<0.40	<0.30
05/11/15	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	**330**	**16**	**5.2**	**5.9**	**37**	**14**	<7.0	**0.58 J**	<0.50	<0.40	<0.30
06/03/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**150**	**340**	**20**	**6.6**	**12**	**22**	**25**	<7.0	**0.52 J**	<0.50	<0.40	<0.30
07/09/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**180**	**610**	<0.20	<0.30	<0.20	<0.40	<0.30	<7.0	**0.62 J**	<0.50	<0.40	<0.30
08/17/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**430**	<40	<0.20	<0.30	<0.20	**0.95 J**	<0.30	<7.0	**0.71 J**	<0.50	<0.40	<0.30
09/03/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**86 J**	**570**	**5.9**	**0.37 J**	**3.7**	**10**	**14**	<7.0	**0.45 J**	<0.50	<0.40	<0.30
10/05/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	**500**	**7.3**	<0.30	**8.7**	**35**	**15**	<7.0	**0.73 J**	<0.50	<0.40	<0.30

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)
11/02/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**420**	**3,400**	**5.1**	<0.30	**17**	**130**	**22**	<7.0	**0.85 J**	<0.50	<0.40	<0.30
12/07/15		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**710**	**3,800**	**0.70**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
01/12/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**2,000**	**510**	**14**	<0.30	**3.6**	**25**	**7.0**	<7.0	<0.40	<0.50	<0.40	<0.30
02/01/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**72 J**	**180**	**13**	<0.30	**0.53**	**2.7**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
03/14/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**270**	**1,100**	**0.91**	<0.30	<0.20	**1.6**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
04/04/16	5	GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**76 J**	**100**	**0.99**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
05/04/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**170**	**470**	<0.20	<0.30	<0.20	**1.3**	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
06/01/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**280**	**75 J**	**4.9**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.43 J**	<0.50	<0.40	<0.30
07/11/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	**330**	<40	**4.7**	<0.30	<0.20	<0.40	<0.30	<7.0	**0.79 J**	<0.50	<0.40	<0.30
08/01/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**3.7**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30
09/01/16		GW-2, GW-13, GW-15, GW-16	8015M & 8260B	<60	<40	**2.7**	<0.30	<0.20	<0.40	<0.30	<7.0	<0.40	<0.50	<0.40	<0.30

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, 01/13/15 and 02/25/15.
3 = GWETS manually shut down on 11/11/14.
4 = GWETS temporarily restarted but left off-line upon departure.
5 = GWETS manually shut down on 04/13/15, 05/06/15 and 04/04/16, and restarted on 04/27/15, 05/08/15 and 04/28/16, respectively.

TABLE 6
Historical Summary of Field Sampling Readings - Individual Well Vapor
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Notes	VES Wells On Line	Well GRO Concentration (ppmv) / Screen Interval in Feet Below Grade									
			HW-1	HW-3	HW-5	HW-7	VEW-32	VEW-33	VEW-34	VEW-35	VEW-36	VEW-37
			25	25	25	25	10 - 25	10 - 25	10 - 25	10 - 25	10 - 25	10 - 25
07/09/14	1	VEW-32, VEW-33, VEW-34, VEW-35, VEW-36, VEW-37, HW-1, HW-3, HW-5, HW-7	69	4,176	140	20	154	10	4.2	5.5	6.4	20
07/18/14		VEW-32, VEW-33, VEW-34, VEW-35, VEW-36, VEW-37, HW-1, HW-3, HW-5, HW-7	74	15,000	4,000	21	134	5.6	3.3	2.1	4.1	18
08/27/14	2	VEW-32, VEW-33, VEW-34, VEW-35, VEW-36, VEW-37, HW-1, HW-3, HW-5, HW-7	0.8	4.5	3.6	0.1	6.3	0.4	0.4	0.2	0	0
08/27/14	3	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	2.1	146	2.5	0.3	174	0.2	0	--	--	--
10/23/14	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	3.3	1.8	2.9	20	191	22	8.0	28	9.1	151
12/17/14	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	0	0	0	0.2	62	37	2.0	15	24	11
03/30/15	4,5	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	24	382	62	1.8	2.5	0.1	0.3	4.8	20	1.0
04/02/15	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	400	370	270	34	25	4.1	0	0	0	0
04/06/15	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	825	800	835	160	171	5.7	3.0	0	0	0
04/08/15	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	800	580	600	315	195	35	25	0	0	0
04/15/15	4	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	680	585	545	297	273	223	87	0	0	0
04/24/15	6	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	1,900	1,233	533	125	--	--	--	--	--	--
04/27/15	4,6	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5, HW-7	1,455	810	400	138	210	324	115	4.8	5.7	2.4
06/08/15	6,7	VEW-32, VEW-33, VEW-34	--	--	--	--	180	130	40	--	--	--
06/12/15	6	VEW-32, VEW-33, VEW-34	--	--	--	--	194	126	80	--	--	--
06/15/15	6	VEW-32, VEW-33, VEW-34	--	--	--	--	158	77	39	--	--	--
06/26/15	6	VEW-32, VEW-33, VEW-34	--	--	--	--	123	104	20	--	--	--
07/16/15	6	VEW-32, VEW-33, VEW-34	--	--	--	--	256	147	17	--	--	--
08/10/15	4,6,8	VEW-32, VEW-33, VEW-34, HW-1, HW-3, HW-5	1,947	732	676	28	456	334	63	16	2.2	3.9
08/20/15	6,9	VEW-32, VEW-33, HW-1, HW-3, HW-5	1,792	1,526	1,283	--	530	329	--	--	--	--
09/08/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	1,914	1,811	839	--	395	162	--	--	--	--
09/16/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	1,333	1,142	756	--	266	184	--	--	--	--
10/09/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	854	807	462	--	343	258	--	--	--	--
11/04/15	6	VEW-32, VEW-33, HW-1, HW-3, HW-5	605	500	372	--	401	184	--	--	--	--
12/07/15	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	880	760	590	--	327	246	88	22	12	14

TABLE 6
Historical Summary of Field Sampling Readings - Individual Well Vapor
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Notes	VES Wells On Line	Well GRO Concentration (ppmv) / Screen Interval in Feet Below Grade									
			HW-1	HW-3	HW-5	HW-7	VEW-32	VEW-33	VEW-34	VEW-35	VEW-36	VEW-37
			25	25	25	25	10 - 25	10 - 25	10 - 25	10 - 25	10 - 25	10 - 25
01/13/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	640	390	415	--	220	260	72	34	22	17
02/08/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	520	240	300	--	160	220	55	42	28	11
03/02/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	400	180	360	--	120	240	47	31	32	15
04/06/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	420	220	260	--	60	380	29	22	18	12
05/04/16	4,6	VEW-32, VEW-33, HW-1, HW-3, HW-5	400	180	240	--	90	340	36	18	25	19
06/17/16	6	HW-1, HW-3, HW-5	740	330	470	--	--	--	--	--	--	--
07/06/16	6,10	HW-1, HW-3, HW-5	480	220	340	--	--	--	--	--	--	--
08/05/16	6	HW-1, HW-3, HW-5	240	330	190	4	20	140	11	9	34	8
09/01/16	6,10	HW-1, HW-3, HW-5	280	260	220	--	--	--	--	--	--	--

Legend / Notes:

GRO = Gasoline range organics ppmv = Parts per million by volume OVA = Organic Vapor Analyzer (calibrated or correlated to Hexane) -- = Not measured

Concentrations measured using calibrated field OVA.

1 = Initial readings on system restart (off line since manually shut down on 05/29/14).
2 = Readings prior to well optimization.
3 = Readings following well optimization (closed wells VEW-35, VEW-36 and VEW-37 based on field OVA readings).
4 = Offline wells temporarily opened for monitoring, then returned to closed position.
5 = Readings collected following slightly opening well field valve to vapor extraction system.
6 = Select soil biopiles also online (see Tables 3a through 3c for details).
7 = Closed select vapor wells to focus extraction efforts on soil biopiles.
8 = Opened vapor extraction wells HW-1, HW-3 and HW-5 based on field OVA readings.
9 = Closed vapor extraction well VEW-34 on 8/19/15 based on low to non-detectable lab results (see Table 7 for details).
10 = Valved down vapor extraction wells HW-1, HW-3 and/or HW-5 while leaving all other wells closed to focus extraction efforts on soil biopiles.

TABLE 7
Historical Summary of Analytical Sampling Results - Individual Well Vapor
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Well ID	Sample Date	Notes	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		Benzene		Toluene		Ethylbenzene		o-Xylene		m,p-Xylenes		MTBE	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
HW-1	07/09/14	1	8015M & 8260M	69	**23**	**96**	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	10/23/14			3.3	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	04/27/15			1,455	**830**	**3,400**	**1.1**	**3.5**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			1,947	**2,700**	**11,000**	**1.0**	**3.3**	<0.13	<0.50	**0.25**	**1.1**	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	02/08/16			520	**440**	**1,800**	**0.88**	**2.8**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	04/06/16			420	**340**	**1,400**	**1.0**	**3.2**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
HW-3	07/09/14	1		4,176	**2,055**	**8,400**	**3.1**	**10**	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	10/23/14			1.8	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	04/27/15			810	**590**	**2,400**	**3.4**	**11**	**0.69**	**2.6**	**0.32**	**1.4**	**0.20**	**0.88**	**1.2**	**5.0**	<0.55	<2.0
	08/10/15			732	**950**	**3,900**	**6.3**	**20**	**0.34**	**1.3**	**0.64**	**2.8**	**0.30**	**1.30**	**2.3**	**9.8**	<0.55	<2.0
	02/08/16			240	**190**	**780**	**1.2**	**3.8**	**0.37**	**1.4**	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	04/06/16			220	**170**	**710**	**1.4**	**4.4**	**0.53**	**2.0**	<0.12	<0.50	<0.12	<0.50	**0.28**	**1.2**	<0.55	<2.0
	08/08/16			230	**170**	**710**	**2.0**	**6.5**	**0.56**	**2.1**	<0.12	<0.50	<0.12	<0.50	**0.32**	**1.4**	<0.55	<2.0
HW-5	07/09/14	1		140	**46**	**190**	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	10/23/14			2.9	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	04/27/15			400	**290**	**1,200**	**0.17**	**0.55**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	**0.30**	**1.3**	<0.55	<2.0
	08/10/15			676	**930**	**3,800**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	02/08/16			300	**320**	**1,300**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	04/06/16			260	**210**	**870**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/08/16			190	**120**	**480**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
HW-7	07/09/14	1		20	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	10/23/14			20	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	04/27/15			138	**66**	**270**	**0.28**	**0.88**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			28	**7.3**	**30**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-32	07/09/14	1		154	**132**	**540**	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	10/23/14			191	**19**	**76**	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	04/27/15			210	**320**	**1,300**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			456	**460**	**1,900**	**0.66**	**2.1**	<0.13	<0.50	**0.23**	**1.0**	<0.12	<0.50	**0.46**	**2.0**	<0.55	<2.0
	02/08/16			160	**130**	**550**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	04/06/16			60	**17**	**68**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-33	07/09/14	1		10	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	10/23/14			22	**7**	**27**	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	04/27/15			324	**270**	**1,100**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			334	**290**	**1,200**	**0.50**	**1.6**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	**0.32**	**1.4**	<0.55	<2.0
	02/08/16			220	**270**	**1,100**	**0.38**	**1.2**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	04/06/16			380	**340**	**1,400**	**0.50**	**1.6**	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	**0.25**	**1.1**	<0.55	<2.0
VEW-34	07/09/14	1		4.2	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	10/23/14			8.0	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	04/27/15			115	**44**	**180**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			63	**14**	**57**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-35	07/09/14	1		5.5	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	10/23/14			28	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	04/27/15			4.8	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			16.4	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
VEW-36	07/09/14	1		6.4	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	10/23/14			9.1	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	04/27/15			5.7	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			2.2	**8.1**	**33**	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0

TABLE 7
Historical Summary of Analytical Sampling Results - Individual Well Vapor
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Well ID	Sample Date	Notes	Laboratory Analysis Methods	GRO Field OVA Reading	GRO		Benzene		Toluene		Ethylbenzene		o-Xylene		m,p-Xylenes		MTBE	
				(ppmv)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)	(ppmv)	(µg/L)
VEW-37	07/09/14	1	8015M & 8260M	20	<4.9	<20	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	10/23/14			151	**13**	**53**	<0.2	<0.50	<0.1	<0.50	<0.1	<0.50	<0.1	<0.50	<0.2	<1.0	<0.6	<2.0
	04/27/15			2.4	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0
	08/10/15			3.9	<4.9	<20	<0.16	<0.50	<0.13	<0.50	<0.12	<0.50	<0.12	<0.50	<0.23	<1.0	<0.55	<2.0

Legend / Notes:

GRO = Gasoline range organics

OVA = Organic Vapor Analyzer (calibrated or correlated to Hexane)

MTBE = Methyl tertiary-butyl ether

ppmv = Parts per million by volume

µg/L = Micrograms per liter

<0.6 = Not detected at or above the method reporting limit (MRL) shown.

-- = Not Analyzed

1 = Samples collected following system restart (off line since manual shut down on 05/29/14).

TABLE 8a
Summary of LNAPL Removal in Well GMW-62 - 3rd Quarter 2016
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (ounces)	LNAPL Removed with Socks (fluid ounces)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
07/13/16	--	34.56	--	0	36.0	42.1	124.6	852.7
07/19/16	--	34.58	--	0	20.0	23.4	124.8	853.9
08/05/16	--	34.65	--	0	36.0	42.1	125.1	856.2
08/18/16	--	34.70	--	0	28.0	32.7	125.4	857.9
08/24/16	--	34.67	--	0	20.0	23.4	125.6	859.2
08/31/16	--	34.60	--	0	20.0	23.4	125.7	860.4
09/07/16	--	34.78	--	0	24.0	28.1	126.0	861.9
09/13/16	--	34.71	--	0	20.0	23.4	126.1	863.2
09/21/16	--	34.66	--	0	28.0	32.7	126.4	864.9
09/28/16	--	34.35	--	0	20.0	23.4	126.6	866.2

Cumulative for the Reporting Period:	**0.0**	**252**	**294.6**	**2.3**	**15.7**
Cumulative Beginning January 2014 [A]:	**112.0**	**1,596**	**1,865.6**	**126.6**	**866.2**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids

feet btc = Feet below top of casing

Sock = LNAPL absorbent sock

-- = Not applicable

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

TABLE 8b
Summary of LNAPL Removal in Well GMW-7 - 3rd Quarter 2016
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (ounces)	LNAPL Removed with Socks (fluid ounces)	Cumulative LNAPL Removed Via Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via, Pumping, Bailing and Socks [A] (pounds)
07/13/16	--	34.02	--	0.0	24	28.1	18.8	128.5
07/19/16	--	34.10	--	0.0	28	32.7	19.0	130.2
08/05/16	34.02	34.05	0.03	0.0	44	51.4	19.4	133.0
08/18/16	34.12	34.13	0.01	0.0	28	32.7	19.7	134.7
08/24/16	--	34.28	--	0.0	24	28.1	19.9	136.2
09/07/16	34.22	34.24	0.02	0.0	24	28.1	20.1	137.7
09/13/16	--	34.28	--	0.0	20	23.4	20.3	139.0
09/21/16	--	33.89	--	0.0	24	28.1	20.5	140.5
09/28/16	34.01	34.04	0.03	0.0	20	23.4	20.7	141.7

Cumulative for the Reporting Period:	**0.0**	**236**	**275.9**	**2.2**	**14.7**
Cumulative Beginning December 2014 [A]:	**8.0**	**1,392**	**1,627.1**	**20.7**	**141.7**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids

feet btc = Feet below top of casing

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

-- = Not applicable

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

TABLE 8c
Summary of LNAPL Removal in Well TF-19 - 3rd Quarter 2016
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (ounces)	LNAPL Removed with Socks (fluid ounces)	Cumulative LNAPL Removed Via Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Pumping, Bailing and Socks [A] (pounds)
07/13/16	32.18	32.45	0.27	0.5	0	0.0	20.8	142.4
08/18/16	32.85	32.88	0.03	0.0	52	60.8	21.3	145.7
08/24/16	--	32.92	--	0.0	28	32.7	21.5	147.4
09/07/16	--	32.83	--	0.0	12	14.0	21.7	148.2
09/21/16	--	32.50	--	0.0	20	23.4	21.8	149.4
09/28/16	--	32.62	--	0.0	32	37.4	21.9	150.2

Cumulative for the Reporting Period:	**0.5**	**144**	**168.3**	**1.6**	**11.2**
Cumulative Beginning June 2015 [A]:	**6.8**	**1,684**	**1,968.4**	**21.9**	**150.2**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids
feet btc = Feet below top of casing
Sock = LNAPL absorbent sock
-- = Not applicable
A = Cumulative LNAPL removed since June 2015.

TABLE 8d
Summary of LNAPL Removal in Well TF-18 - 3rd Quarter 2016
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (ounces)	LNAPL Removed with Socks (fluid ounces)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
07/13/16	31.15	33.48	2.33	3.0	0	0.0	307.5	2,104.2
07/19/16	31.21	33.53	2.32	3.5	0	0.0	311.0	2,128.1
08/24/16	31.97	34.74	2.77	315.0	0	0.0	626.0	4,283.8
08/30/16	31.94	34.39	2.45	173.0	0	0.0	799.0	5,467.6
09/08/16	31.92	33.68	1.76	196.0	0	0.0	995.0	6,808.9
09/20/16	31.52	32.59	1.07	20.0	0	0.0	1,015.0	6,945.8
09/30/16	NM	NM	NM	10.0	0	0.0	1,025.0	7,014.2

Cumulative for the Reporting Period:	**720.5**	**0**	**0.0**	**720.5**	**4,930.5**
Cumulative Beginning January 2014 - July 2016 [A]:	**266.1**	**4,916**	**5,746.3**	**311.0**	**2,128.1**
Cumulative Beginning August 2016 - September 2016 [B]:	**714.0**	**0**	**0.0**	**714.0**	**4,886.1**
Cumulative Beginning January 2014 [A]:	**980.1**	**4,916**	**5,746.3**	**1,025.0**	**7,014.2**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids

feet btc = Feet below top of casing

Sock = LNAPL absorbent sock

-- = Not applicable

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

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

TABLE 8e
Summary of LNAPL Removal in Well RTF-18-N - 3rd Quarter 2016
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (ounces)	LNAPL Removed with Socks (fluid ounces)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
07/13/16	31.23	33.43	2.20	4.0	0	0.0	44.5	304.5
07/19/16	31.28	33.58	2.30	3.0	0	0.0	47.5	325.1
08/24/16	31.71	33.98	2.27	150.0	0	0.0	197.5	1,351.5
09/08/16	32.05	32.83	0.78	105.0	0	0.0	302.5	2,070.1
09/14/16	32.28	32.62	0.34	10.0	0	0.0	312.5	2,138.5

Cumulative for the Reporting Period:	**272.0**	**0**	**0.0**	**272.0**	**1,861.4**
Cumulative Beginning April 2016 - July 2016 [A]:	**47.5**	**0**	**0.0**	**47.5**	**325.1**
Cumulative Beginning August 2016 - September 2016 [B]:	**265.0**	**0**	**0.0**	**265.0**	**1,813.5**
Cumulative Beginning April 2016 [A]:	**312.5**	**0**	**0.0**	**312.5**	**2,138.5**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids

feet btc = Feet below top of casing

Sock = LNAPL absorbent sock

-- = Not applicable

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

B = Cumulative LNAPL removed from a pneumatically controlled skimmer installed as part of a product recovery system that started operating on August 8, 2016 (system includes a total of four skimmers with skimming from well RTF-18-N initiated on August 11, 2016; skimmer off-line from August 24-30, 2016 and September 14-30, 2016).

TABLE 8f
Summary of LNAPL Removal in Well RTF-18-E - 3rd Quarter 2016
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (ounces)	LNAPL Removed with Socks (fluid ounces)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
07/13/16	31.60	33.82	2.22	5.0	0	0.0	43.5	297.7
07/19/16	31.65	33.98	2.33	4.0	0	0.0	47.5	325.1
08/24/16	31.97	34.74	2.77	158.0	0	0.0	205.5	1,406.3
09/08/16	32.15	34.23	2.08	125.0	0	0.0	330.5	2,261.7
09/14/16	32.67	32.77	0.10	10.0	0	0.0	340.5	2,330.1

Cumulative for the Reporting Period:	**302.0**	**0**	**0.0**	**302.0**	**2,066.7**
Cumulative Beginning May 2016 - July 2016 [A]:	**47.5**	**0**	**0.0**	**47.5**	**325.1**
Cumulative Beginning August 2016 - September 2016 [B]:	**293.0**	**0**	**0.0**	**293.0**	**2,005.1**
Cumulative Beginning May 2016 [A]:	**340.5**	**0**	**0.0**	**340.5**	**2,330.1**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids

feet btc = Feet below top of casing

Sock = LNAPL absorbent sock

-- = Not applicable

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

B = Cumulative LNAPL removed from a pneumatically controlled skimmer installed as part of a product recovery system that started operating on August 8, 2016 (system includes a total of four skimmers with skimming from well RTF-18-E initiated on August 11, 2016; skimmer off-line from August 24-30, 2016 and September 14-30, 2016).

TABLE 8g
Summary of LNAPL Removal in Well RTF-18-W - 3rd Quarter 2016
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (ounces)	LNAPL Removed with Socks (fluid ounces)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
07/13/16	31.66	33.93	2.27	4.0	0	0.0	35.3	241.2
07/19/16	31.72	34.00	2.28	3.5	0	0.0	38.8	265.2
09/20/16	31.19	32.66	1.47	10.0	0	0.0	48.8	333.6
09/30/16	31.86	34.95	3.09	4.0	0	0.0	52.8	361.0

Cumulative for the Reporting Period:	**21.5**	**0**	**0.0**	**21.5**	**147.1**
Cumulative Beginning April 2016 - July 2016 [A]:	**38.8**	**0**	**0.0**	**38.8**	**265.2**
Cumulative Beginning August 2016 - September 2016 [B]:	**14.0**	**0**	**0.0**	**14.0**	**95.8**
Cumulative Beginning April 2016 [A]:	**52.8**	**0**	**0.0**	**52.8**	**361.0**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids

feet btc = Feet below top of casing

Sock = LNAPL absorbent sock

-- = Not applicable

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

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

TABLE 8h
Summary of LNAPL Removal in Well RTF-18-NW - 3rd Quarter 2016
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (ounces)	LNAPL Removed with Socks (fluid ounces)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
07/13/16	31.27	33.48	2.21	8.0	0	0.0	67.5	461.9
07/19/16	31.31	33.56	2.25	9.0	0	0.0	76.5	523.5
08/24/16	31.72	34.23	2.51	510.0	0	0.0	586.5	4,013.6
09/08/16	31.88	33.55	1.67	458.0	0	0.0	1,044.5	7,147.8
09/20/16	32.30	32.68	0.38	60.0	0	0.0	1,104.5	7,558.3
09/30/16	31.48	34.46	2.98	8.0	0	0.0	1,112.5	7,613.1

Cumulative for the Reporting Period:	**1,053.0**	**0**	**0.0**	**1,053.0**	**7,205.9**
Cumulative Beginning May 2016 - July 2016 [A]:	**76.5**	**0**	**0.0**	**76.5**	**523.5**
Cumulative Beginning August 2016 - September 2016 [B]:	**1,036.0**	**0**	**0.0**	**1,036.0**	**7,089.6**
Cumulative Beginning May 2016 [A]:	**1,112.5**	**0**	**0.0**	**1,112.5**	**7,613.1**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids
feet btc = Feet below top of casing
Sock = LNAPL absorbent sock
-- = Not applicable
A = Cumulative LNAPL removed since May 2016 following installation of well during December 2015.
B = Cumulative LNAPL removed from a pneumatically controlled skimmer installed as part of a product recovery system that started operating on August 8, 2016 (system includes a total of four skimmers with skimming from well RTF-18-NW initiated on August 11, 2016; skimmer off-line from August 24-30, 2016).

TABLE 8i
Summary of LNAPL Removal in Well RTF-18-NNW - 3rd Quarter 2016
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Date	Depth to LNAPL (feet btc)	Depth to Water (feet btc)	Measured LNAPL Thickness (feet)	LNAPL Removed Via Vacuum Truck, Pumping and/or Bailing (gallons)	LNAPL Removed with Socks (ounces)	LNAPL Removed with Socks (fluid ounces)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (gallons)	Cumulative LNAPL Removed Via Vacuum Truck, Pumping, Bailing and Socks [A] (pounds)
07/13/16	31.89	34.08	2.19	5.0	0	0.0	50.0	342.2
07/19/16	31.93	34.19	2.26	4.5	0	0.0	54.5	373.0
09/20/16	32.51	32.58	0.07	10.0	0	0.0	64.5	441.4
09/30/16	32.03	35.22	3.19	6.5	0	0.0	71.0	485.9

Cumulative for the Reporting Period:	**26.0**	**0**	**0.0**	**26.0**	**177.9**
Cumulative Beginning April 2016 - July 2016 [A]:	**54.5**	**0**	**0.0**	**54.5**	**373.0**
Cumulative Beginning August 2016 - September 2016 [B]:	**16.5**	**0**	**0.0**	**16.5**	**112.9**
Cumulative Beginning April 2016 [A]:	**71.0**	**0**	**0.0**	**71.0**	**485.9**

Legend / Notes:

LNAPL = Light non-aqueous phase liquids

feet btc = Feet below top of casing

Sock = LNAPL absorbent sock

-- = Not applicable

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

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

APPENDIX A

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS

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

July 20, 2016

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5331871 / 6G06006

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 07/06/16 12:36 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331871
Date Received: 07/06/16
Date Reported: 07/20/16

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
Influent	6G06006-01	Vapor	5	07/06/16 10:06	07/06/16 12:36
Effluent	6G06006-02	Vapor	5	07/06/16 10:00	07/06/16 12:36
VOCs Gasoline Range Organics Vapor					
Influent	6G06006-01	Vapor	5	07/06/16 10:06	07/06/16 12:36
Effluent	6G06006-02	Vapor	5	07/06/16 10:00	07/06/16 12:36
VOCs GRO Vapor as Hexane					
Influent	6G06006-01	Vapor	5	07/06/16 10:06	07/06/16 12:36
Effluent	6G06006-02	Vapor	5	07/06/16 10:00	07/06/16 12:36

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331871
Project No:	04-NDLA-013	**Date Received:**	07/06/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	07/20/16
Matrix:	Vapor	**Sampled:**	07/06/16
Dilution:	1	**Prepared:**	07/06/16
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	07/06/16

Influent

6G06006-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**1.3**	ug/L	0.50	**0.41**	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	110 %	70-140
Dibromofluoromethane	113 %	70-140
Toluene-d8	104 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331871
Project No:	04-NDLA-013	**Date Received:**	07/06/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	07/20/16
Matrix:	Vapor	**Sampled:**	07/06/16
Dilution:	0.5	**Prepared:**	07/06/16
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	07/06/16

Effluent

6G06006-02 (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	108 %	70-140
Dibromofluoromethane	118 %	70-140
Toluene-d8	100 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331871
Project No:	04-NDLA-013	**Date Received:**	07/06/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	07/20/16
Matrix:	Vapor	**Sampled:**	07/06/16
Dilution:	1	**Prepared:**	07/08/16
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	07/08/16

Influent

6G06006-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**150**	ug/L	20	**37**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	92.8 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331871
Project No:	04-NDLA-013	**Date Received:**	07/06/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	07/20/16
Matrix:	Vapor	**Sampled:**	07/06/16
Dilution:	1	**Prepared:**	07/08/16
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	07/08/16

Effluent

6G06006-02 (Vapor)

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

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	96.9 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331871
Project No:	04-NDLA-013	**Date Received:**	07/06/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	07/20/16
Matrix:	Vapor	**Sampled:**	07/06/16
Dilution:	1	**Prepared:**	07/08/16
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	07/08/16

Influent

6G06006-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**150**	ug/L	20	**43**	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	92.8 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331871
Project No:	04-NDLA-013	**Date Received:**	07/06/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	07/20/16
Matrix:	Vapor	**Sampled:**	07/06/16
Dilution:	1	**Prepared:**	07/08/16
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	07/08/16

Effluent

6G06006-02 (Vapor)

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

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	96.9 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331871
Date Received: 07/06/16
Date Reported: 07/20/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B6G0622 - *** DEFAULT PREP ****										
Blank (B6G0622-BLK1)				Prepared & Analyzed: 07/06/16						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*53.3*		*ug/L*	*50*		*107*	*70-140*			
Surrogate: Dibromofluoromethane	*54.8*		*ug/L*	*50*		*110*	*70-140*			
Surrogate: Toluene-d8	*51.3*		*ug/L*	*50*		*103*	*70-140*			
LCS (B6G0622-BS1)				Prepared & Analyzed: 07/06/16						
Benzene	**20.0**	0.50	ug/L	20		100	75-125			
Ethylbenzene	**21.6**	0.50	ug/L	20		108	75-125			
Methyl-tert-Butyl Ether (MTBE)	**36.6**	2.0	ug/L	40		91.6	75-125			
Toluene	**20.3**	0.50	ug/L	20		102	75-125			
o-Xylene	**20.2**	0.50	ug/L	20		101	75-125			
m,p-Xylenes	**41.0**	1.0	ug/L	40		102	75-125			
Surrogate: 4-Bromofluorobenzene	*54.0*		*ug/L*	*50*		*108*	*70-140*			
Surrogate: Dibromofluoromethane	*47.6*		*ug/L*	*50*		*95.2*	*70-140*			
Surrogate: Toluene-d8	*51.6*		*ug/L*	*50*		*103*	*70-140*			
LCS Dup (B6G0622-BSD1)				Prepared & Analyzed: 07/06/16						
Benzene	**20.2**	0.50	ug/L	20		101	75-125	0.944	30	
Ethylbenzene	**20.9**	0.50	ug/L	20		105	75-125	2.96	30	
Methyl-tert-Butyl Ether (MTBE)	**37.0**	2.0	ug/L	40		92.5	75-125	1.01	30	
Toluene	**20.7**	0.50	ug/L	20		104	75-125	1.80	30	
o-Xylene	**19.3**	0.50	ug/L	20		96.6	75-125	4.21	30	
m,p-Xylenes	**39.7**	1.0	ug/L	40		99.3	75-125	3.10	30	
Surrogate: 4-Bromofluorobenzene	*55.8*		*ug/L*	*50*		*112*	*70-140*			
Surrogate: Dibromofluoromethane	*49.5*		*ug/L*	*50*		*99.0*	*70-140*			
Surrogate: Toluene-d8	*51.5*		*ug/L*	*50*		*103*	*70-140*			
Duplicate (B6G0622-DUP1)			**Source: 6G06007-02**	Prepared & Analyzed: 07/06/16						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331871
Date Received: 07/06/16
Date Reported: 07/20/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B6G0622 - *** DEFAULT PREP ****										
Duplicate (B6G0622-DUP1) Continued			**Source: 6G06007-02**	Prepared & Analyzed: 07/06/16						
Benzene	**<0.50**	0.50	ug/L						30	
Ethylbenzene	**<0.50**	0.50	ug/L						30	
Methyl-tert-Butyl Ether (MTBE)	**<2.0**	2.0	ug/L						30	
Toluene	**<0.50**	0.50	ug/L						30	
o-Xylene	**<0.50**	0.50	ug/L						30	
m,p-Xylenes	**<1.0**	1.0	ug/L						30	
Surrogate: 4-Bromofluorobenzene	*54.5*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Dibromofluoromethane	*55.5*		*ug/L*	*50*		*111*	*70-140*			
Surrogate: Toluene-d8	*53.2*		*ug/L*	*50*		*106*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B6G0821 - *** DEFAULT PREP ****										
Blank (B6G0821-BLK1)				Prepared & Analyzed: 07/08/16						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*47.0*		*ug/L*	*50*		*94.1*	*70-130*			
LCS (B6G0821-BS1)				Prepared & Analyzed: 07/08/16						
Gasoline Range Organics (GRO)	**428**	20	ug/L	500		85.7	75-125			
Surrogate: a,a,a-Trifluorotoluene	*46.2*		*ug/L*	*50*		*92.3*	*70-130*			
LCS Dup (B6G0821-BSD1)				Prepared & Analyzed: 07/08/16						
Gasoline Range Organics (GRO)	**445**	20	ug/L	500		89.1	75-125	3.88	30	
Surrogate: a,a,a-Trifluorotoluene	*51.0*		*ug/L*	*50*		*102*	*70-130*			
Duplicate (B6G0821-DUP1)			**Source: 6G06006-01**	Prepared & Analyzed: 07/08/16						
Gasoline Range Organics (GRO)	**157**	20	ug/L		153			2.36	30	
Surrogate: a,a,a-Trifluorotoluene	*46.3*		*ug/L*	*50*		*92.6*	*70-130*			
Gasoline Range Organics in Vapor as Hexane - Quality Control										
*Batch B6G0821 - *** DEFAULT PREP ****										
Blank (B6G0821-BLK1)				Prepared & Analyzed: 07/08/16						
GRO as Hexane	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*48.5*		*ug/L*	*50*		*97.1*	*70-130*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331871
Date Received: 07/06/16
Date Reported: 07/20/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics in Vapor as Hexane - Quality Control										
*Batch B6G0821 - *** DEFAULT PREP ****										
LCS (B6G0821-BS1)				Prepared & Analyzed: 07/08/16						
GRO as Hexane	**428**	20	ug/L	500		85.7	75-125			
Surrogate: a,a,a-Trifluorotoluene	*46.2*		*ug/L*	*50*		*92.3*	*70-130*			
LCS Dup (B6G0821-BSD1)				Prepared & Analyzed: 07/08/16						
GRO as Hexane	**445**	20	ug/L	500		89.1	75-125	3.88	30	
Surrogate: a,a,a-Trifluorotoluene	*51.0*		*ug/L*	*50*		*102*	*70-130*			
Duplicate (B6G0821-DUP1)		**Source: 6G06006-01**		Prepared & Analyzed: 07/08/16						
GRO as Hexane	**157**	20	ug/L		153			2.36	30	
Surrogate: a,a,a-Trifluorotoluene	*46.3*		*ug/L*	*50*		*92.6*	*70-130*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331871
Date Received: 07/06/16
Date Reported: 07/20/16

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

125399

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

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

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B								Special Instructions
Influent	6606006-01	7-6-16	1006	Air	1	✓	✓	✓								
Effluent	-02	7-6-16	1000	Air	1	✓	✓	✓								

PRIORITY
Rush Hrs
Date 7/6/16 Time 1400 Sign SH

15 JUL 6 2:58

Relinquished by	Date	Time	Received by
Glenn Androsko	7-6-16	10:55	[illegible]
[illegible]	7-6-16	12:36	[illegible]

A5331871/6606006

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

July 28, 2016

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5331877 / 6G12020

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 07/12/16 15:39 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331877
Date Received: 07/12/16
Date Reported: 07/28/16

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B TPHGASOLINEBTEXOXY					
Surge Tank	6G12020-01	Water	5	07/11/16 13:40	07/12/16 15:39
After GAC-1	6G12020-02	Water	5	07/11/16 13:34	07/12/16 15:39
After GAC-2	6G12020-03	Water	5	07/11/16 13:29	07/12/16 15:39
Arsenic Total EPA 200.7					
Surge Tank	6G12020-01	Water	5	07/11/16 13:40	07/12/16 15:39
After Zeolite Bed	6G12020-04	Water	5	07/11/16 13:24	07/12/16 15:39
After Alumina Bed	6G12020-05	Water	5	07/11/16 13:22	07/12/16 15:39
Diesel Range Organics 8015M					
Surge Tank	6G12020-01	Water	5	07/11/16 13:40	07/12/16 15:39
After GAC-1	6G12020-02	Water	5	07/11/16 13:34	07/12/16 15:39
After GAC-2	6G12020-03	Water	5	07/11/16 13:29	07/12/16 15:39

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331877
Date Received: 07/12/16
Date Reported: 07/28/16
Units: ug/L

Date Sampled:	07/11/16	07/11/16	07/11/16		
Date Prepared:	07/13/16	07/13/16	07/13/16		
Date Analyzed:	07/13/16	07/13/16	07/13/16		
AA ID No:	6G12020-01	6G12020-02	6G12020-03		
Client ID No:	Surge Tank	After GAC-1	After GAC-2		
Matrix:	Water	Water	Water		
Dilution Factor:	1	1	1	MDL	MRL
8260B TPHGASOLINEBTEXOXY (EPA 8260B)					
tert-Amyl Methyl Ether (TAME)	<0.30	<0.30	<0.30	0.30	2.0
Benzene	**4.7**	<0.20	<0.20	0.20	0.50
tert-Butyl alcohol (TBA)	<7.0	<7.0	<7.0	7.0	10
Diisopropyl ether (DIPE)	<0.50	<0.50	<0.50	0.50	2.0
Ethylbenzene	<0.20	<0.20	<0.20	0.20	0.50
Ethyl-tert-Butyl Ether (ETBE)	<0.40	<0.40	<0.40	0.40	2.0
Gasoline Range Organics (GRO)	<40	<40	<40	40	100
Methyl-tert-Butyl Ether (MTBE)	**0.79 J**	**0.80 J**	<0.40	0.40	2.0
Toluene	<0.30	<0.30	<0.30	0.30	0.50
o-Xylene	<0.30	<0.30	<0.30	0.30	0.50
m,p-Xylenes	<0.40	<0.40	<0.40	0.40	1.0
Surrogates				**%REC Limits**	
4-Bromofluorobenzene	109%	108%	109%	70-140	
Dibromofluoromethane	122%	122%	118%	70-140	
Toluene-d8	102%	99%	102%	70-140	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331877
Date Received: 07/12/16
Date Reported: 07/28/16
Units: ug/L

Date Sampled:	07/11/16	07/11/16	07/11/16		
Date Prepared:	07/13/16	07/13/16	07/13/16		
Date Analyzed:	07/13/16	07/13/16	07/13/16		
AA ID No:	6G12020-01	6G12020-02	6G12020-03		
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	**330**	<60	<60	60	100
Surrogates				**%REC Limits**	
o-Terphenyl	96%	83%	66%	50-150	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331877
Date Received: 07/12/16
Date Reported: 07/28/16

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
Arsenic Total EPA 200.7 (EPA 200.7)									
6G12020-01	Surge Tank	07/11/16	07/14/16	07/14/16	1	**0.053**	mg/L	0.006	0.007
6G12020-04	After Zeolite Bed	07/11/16	07/14/16	07/14/16	1	**0.028**	mg/L	0.006	0.007
6G12020-05	After Alumina Bed	07/11/16	07/14/16	07/14/16	1	**0.025**	mg/L	0.006	0.007

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331877
Date Received: 07/12/16
Date Reported: 07/28/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
TPHG/BTEX/Oxygenates by GC/MS - Quality Control										
Batch B6G1325 - EPA 5030B										
Blank (B6G1325-BLK1)				Prepared & Analyzed: 07/13/16						
tert-Amyl Methyl Ether (TAME)	<0.30	0.30	ug/L							
Benzene	<0.20	0.20	ug/L							
tert-Butyl alcohol (TBA)	<7.0	7.0	ug/L							
Diisopropyl ether (DIPE)	<0.50	0.50	ug/L							
Ethylbenzene	<0.20	0.20	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<0.40	0.40	ug/L							
Gasoline Range Organics (GRO)	<40	40	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<0.40	0.40	ug/L							
Toluene	<0.30	0.30	ug/L							
o-Xylene	<0.30	0.30	ug/L							
m,p-Xylenes	<0.40	0.40	ug/L							
Surrogate: 4-Bromofluorobenzene	*53.9*		*ug/L*	*50*		*108*	*70-140*			
Surrogate: Dibromofluoromethane	*58.4*		*ug/L*	*50*		*117*	*70-140*			
Surrogate: Toluene-d8	*49.7*		*ug/L*	*50*		*99.5*	*70-140*			
LCS (B6G1325-BS1)				Prepared & Analyzed: 07/13/16						
tert-Amyl Methyl Ether (TAME)	**18.0**	0.30	ug/L	20		90.1	70-130			
Benzene	**20.7**	0.20	ug/L	20		104	75-125			
tert-Butyl alcohol (TBA)	**99.0**	7.0	ug/L	100		99.0	70-130			
Diisopropyl ether (DIPE)	**17.9**	0.50	ug/L	20		89.4	70-130			
Ethylbenzene	**21.6**	0.20	ug/L	20		108	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**18.1**	0.40	ug/L	20		90.4	70-130			
Gasoline Range Organics (GRO)	**471**	40	ug/L	500		94.2	70-130			
Methyl-tert-Butyl Ether (MTBE)	**36.3**	0.40	ug/L	40		90.8	70-135			
Toluene	**21.4**	0.30	ug/L	20		107	75-125			
o-Xylene	**20.1**	0.30	ug/L	20		101	75-125			
m,p-Xylenes	**40.8**	0.40	ug/L	40		102	70-130			
Surrogate: 4-Bromofluorobenzene	*53.8*		*ug/L*	*50*		*108*	*70-140*			
Surrogate: Dibromofluoromethane	*48.0*		*ug/L*	*50*		*96.0*	*70-140*			
Surrogate: Toluene-d8	*52.5*		*ug/L*	*50*		*105*	*70-140*			
Matrix Spike (B6G1325-MS1)		**Source: 6G11018-03**		Prepared & Analyzed: 07/13/16						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331877
Date Received: 07/12/16
Date Reported: 07/28/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
TPHG/BTEX/Oxygenates by GC/MS - Quality Control										
Batch B6G1325 - EPA 5030B										
Matrix Spike (B6G1325-MS1) Continued Source: 6G11018-03 Prepared & Analyzed: 07/13/16										
tert-Amyl Methyl Ether (TAME)	**22.5**	0.30	ug/L	20		113	70-130			
Benzene	**20.6**	0.20	ug/L	20		103	70-130			
tert-Butyl alcohol (TBA)	**134**	7.0	ug/L	100		134	70-130			
Diisopropyl ether (DIPE)	**18.9**	0.50	ug/L	20		94.6	70-130			
Ethylbenzene	**20.8**	0.20	ug/L	20		104	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**21.8**	0.40	ug/L	20		109	70-130			
Gasoline Range Organics (GRO)	**471**	40	ug/L	500		94.2	70-130			
Methyl-tert-Butyl Ether (MTBE)	**45.8**	0.40	ug/L	40		114	70-130			
Toluene	**19.9**	0.30	ug/L	20		99.5	70-130			
o-Xylene	**19.5**	0.30	ug/L	20		97.7	70-130			
m,p-Xylenes	**41.0**	0.40	ug/L	40		103	70-130			
Surrogate: 4-Bromofluorobenzene	*52.1*		*ug/L*	*50*		*104*	*70-140*			
Surrogate: Dibromofluoromethane	*51.0*		*ug/L*	*50*		*102*	*70-140*			
Surrogate: Toluene-d8	*51.5*		*ug/L*	*50*		*103*	*70-140*			
Matrix Spike Dup (B6G1325-MSD1) Source: 6G11018-03 Prepared & Analyzed: 07/13/16										
tert-Amyl Methyl Ether (TAME)	**21.8**	0.30	ug/L	20		109	70-130	3.52	30	
Benzene	**20.2**	0.20	ug/L	20		101	70-130	2.06	30	
tert-Butyl alcohol (TBA)	**125**	7.0	ug/L	100		125	70-130	7.32	30	
Diisopropyl ether (DIPE)	**19.1**	0.50	ug/L	20		95.6	70-130	1.10	30	
Ethylbenzene	**21.4**	0.20	ug/L	20		107	70-130	2.51	30	
Ethyl-tert-Butyl Ether (ETBE)	**21.0**	0.40	ug/L	20		105	70-130	3.32	30	
Gasoline Range Organics (GRO)	**482**	40	ug/L	500		96.4	70-130	2.31	30	
Methyl-tert-Butyl Ether (MTBE)	**44.6**	0.40	ug/L	40		112	70-130	2.57	30	
Toluene	**19.9**	0.30	ug/L	20		99.4	70-130	0.101	30	
o-Xylene	**20.2**	0.30	ug/L	20		101	70-130	3.57	30	
m,p-Xylenes	**40.8**	0.40	ug/L	40		102	70-130	0.636	30	
Surrogate: 4-Bromofluorobenzene	*52.4*		*ug/L*	*50*		*105*	*70-140*			
Surrogate: Dibromofluoromethane	*50.8*		*ug/L*	*50*		*102*	*70-140*			
Surrogate: Toluene-d8	*51.0*		*ug/L*	*50*		*102*	*70-140*			
Diesel Range Organics by GC/FID - Quality Control										

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331877
Date Received: 07/12/16
Date Reported: 07/28/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diesel Range Organics by GC/FID - Quality Control										
Batch B6G1318 - EPA 3510C										
Blank (B6G1318-BLK1)				Prepared & Analyzed: 07/13/16						
Diesel Range Organics as Diesel	<60	60	ug/L							
Surrogate: o-Terphenyl	*34.0*		*ug/L*	*40*		*84.9*	*50-150*			
LCS (B6G1318-BS1)				Prepared & Analyzed: 07/13/16						
Diesel Range Organics as Diesel	**602**	60	ug/L	800		75.2	75-125		30	
Surrogate: o-Terphenyl	*30.7*		*ug/L*	*40*		*76.8*	*50-150*			
LCS Dup (B6G1318-BSD1)				Prepared & Analyzed: 07/13/16						
Diesel Range Organics as Diesel	**602**	60	ug/L	800		75.2	75-125	0.0574	30	
Surrogate: o-Terphenyl	*34.1*		*ug/L*	*40*		*85.3*	*50-150*			
Total Metals by ICP Atomic Emission Spectroscopy - Quality Control										
Batch B6G1419 - EPA 200.7										
Blank (B6G1419-BLK1)				Prepared & Analyzed: 07/14/16						
Arsenic	<0.0060	0.0060	mg/L							
LCS (B6G1419-BS1)				Prepared & Analyzed: 07/14/16						
Arsenic	**0.191**	0.0060	mg/L	0.20		95.7	80-120		20	
LCS Dup (B6G1419-BSD1)				Prepared & Analyzed: 07/14/16						
Arsenic	**0.185**	0.0060	mg/L	0.20		92.7	80-120	3.18	20	
Duplicate (B6G1419-DUP1)		**Source: 6G12020-05**		Prepared & Analyzed: 07/14/16						
Arsenic	**0.0240**	0.0060	mg/L		0.0250			4.08	30	
Matrix Spike (B6G1419-MS1)		**Source: 6G12019-01**		Prepared & Analyzed: 07/14/16						
Arsenic	**0.222**	0.0060	mg/L	0.20		111	75-125		20	
Matrix Spike Dup (B6G1419-MSD1)		**Source: 6G12019-01**		Prepared & Analyzed: 07/14/16						
Arsenic	**0.208**	0.0060	mg/L	0.20		104	75-125	6.51	20	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331877
Project No:	04-NDLA-013	**Date Received:**	07/12/16
Project Name:	DFSP Norwalk GWETS NPDES Monthly	**Date Reported:**	07/28/16

Special Notes

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

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

125435

9765 ETON AVE., CHATSWORTH, CA 91311

Tel: 818-998-5547 FAX: 818-998-7258

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

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	TPHd 8015M	TPHg/BTEX/Oxys 8260B	Arsenic 200.7								Special Instructions
Surge Tank	6G12020-01	7-11-16	1340	Water	5	✓	✓	✓								
After GAC-1	-02	↓	1334	Water	4	✓	✓									
After GAC-2	-03		1329	Water	4	✓	✓									
After Zolite Bed	-04		1324	Water	1			✓								
After Alumina Bed	-05	↓	1322	Water	1			✓								

REVIEWED
Date 7/12/16 Time 1615
Sign:
TAT N Days

'16 JUL 12 15:59

Page 1 of 1 Total

A5331877/6G12020

Relinquished by	Date	Time	Received by
Glenn Androsko	7-12-16	1400	
	7/12/16	1539	

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

August 18, 2016

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5331902 / 6H01019

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 08/01/16 15:08 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331902
Date Received: 08/01/16
Date Reported: 08/18/16

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B TPHGASOLINEBTEXOXY					
Surge Tank	6H01019-01	Water	5	08/01/16 10:51	08/01/16 15:08
After GAC-1	6H01019-02	Water	5	08/01/16 10:45	08/01/16 15:08
After GAC-2	6H01019-03	Water	5	08/01/16 10:41	08/01/16 15:08
Arsenic Total EPA 200.7					
Surge Tank	6H01019-01	Water	5	08/01/16 10:51	08/01/16 15:08
After Zeolite Bed	6H01019-04	Water	5	08/01/16 10:32	08/01/16 15:08
After Alumina Bed	6H01019-05	Water	5	08/01/16 10:30	08/01/16 15:08
Diesel Range Organics 8015M					
Surge Tank	6H01019-01	Water	5	08/01/16 10:51	08/01/16 15:08
After GAC-1	6H01019-02	Water	5	08/01/16 10:45	08/01/16 15:08
After GAC-2	6H01019-03	Water	5	08/01/16 10:41	08/01/16 15:08

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331902
Date Received: 08/01/16
Date Reported: 08/18/16
Units: ug/L

Date Sampled:	08/01/16	08/01/16	08/01/16		
Date Prepared:	08/03/16	08/03/16	08/03/16		
Date Analyzed:	08/03/16	08/03/16	08/03/16		
AA ID No:	6H01019-01	6H01019-02	6H01019-03		
Client ID No:	Surge Tank	After GAC-1	After GAC-2		
Matrix:	Water	Water	Water		
Dilution Factor:	1	1	1	MDL	MRL
8260B TPHGASOLINEBTEXOXY (EPA 8260B)					
tert-Amyl Methyl Ether (TAME)	<0.30	<0.30	<0.30	0.30	2.0
Benzene	**3.7**	<0.20	<0.20	0.20	0.50
tert-Butyl alcohol (TBA)	<7.0	<7.0	<7.0	7.0	10
Diisopropyl ether (DIPE)	<0.50	<0.50	<0.50	0.50	2.0
Ethylbenzene	<0.20	<0.20	<0.20	0.20	0.50
Ethyl-tert-Butyl Ether (ETBE)	<0.40	<0.40	<0.40	0.40	2.0
Gasoline Range Organics (GRO)	<40	<40	<40	40	100
Methyl-tert-Butyl Ether (MTBE)	<0.40	<0.40	<0.40	0.40	2.0
Toluene	<0.30	<0.30	<0.30	0.30	0.50
o-Xylene	<0.30	<0.30	<0.30	0.30	0.50
m,p-Xylenes	<0.40	<0.40	<0.40	0.40	1.0

Surrogates				**%REC Limits**
4-Bromofluorobenzene	108%	109%	105%	70-140
Dibromofluoromethane	113%	106%	111%	70-140
Toluene-d8	99%	102%	100%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331902
Date Received: 08/01/16
Date Reported: 08/18/16
Units: ug/L

Date Sampled:	08/01/16	08/01/16	08/01/16		
Date Prepared:	08/08/16	08/08/16	08/08/16		
Date Analyzed:	08/09/16	08/09/16	08/09/16		
AA ID No:	6H01019-01	6H01019-02	6H01019-03		
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	**72 J**	<60	60	100
Surrogates				**%REC Limits**	
o-Terphenyl	74%	85%	95%	50-150	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331902
Date Received: 08/01/16
Date Reported: 08/18/16

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
Arsenic Total EPA 200.7 (EPA 200.7)									
6H01019-01	Surge Tank	08/01/16	08/09/16	08/10/16	1	**0.032**	mg/L	0.006	0.007
6H01019-04	After Zeolite Bed	08/01/16	08/09/16	08/10/16	1	**0.029**	mg/L	0.006	0.007
6H01019-05	After Alumina Bed	08/01/16	08/09/16	08/10/16	1	**0.024**	mg/L	0.006	0.007

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331902
Date Received: 08/01/16
Date Reported: 08/18/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
TPHG/BTEX/Oxygenates by GC/MS - Quality Control										
Batch B6H0314 - EPA 5030B										
Blank (B6H0314-BLK1)				Prepared & Analyzed: 08/03/16						
tert-Amyl Methyl Ether (TAME)	<0.30	0.30	ug/L							
Benzene	<0.20	0.20	ug/L							
tert-Butyl alcohol (TBA)	<7.0	7.0	ug/L							
Diisopropyl ether (DIPE)	<0.50	0.50	ug/L							
Ethylbenzene	<0.20	0.20	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<0.40	0.40	ug/L							
Gasoline Range Organics (GRO)	<40	40	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<0.40	0.40	ug/L							
Toluene	<0.30	0.30	ug/L							
o-Xylene	<0.30	0.30	ug/L							
m,p-Xylenes	<0.40	0.40	ug/L							
Surrogate: 4-Bromofluorobenzene	*54.3*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Dibromofluoromethane	*52.0*		*ug/L*	*50*		*104*	*70-140*			
Surrogate: Toluene-d8	*50.2*		*ug/L*	*50*		*100*	*70-140*			
LCS (B6H0314-BS1)				Prepared & Analyzed: 08/03/16						
tert-Amyl Methyl Ether (TAME)	**17.3**	0.30	ug/L	20		86.4	70-130			
Benzene	**20.6**	0.20	ug/L	20		103	75-125			
tert-Butyl alcohol (TBA)	**106**	7.0	ug/L	100		106	70-130			
Diisopropyl ether (DIPE)	**18.4**	0.50	ug/L	20		91.8	70-130			
Ethylbenzene	**22.8**	0.20	ug/L	20		114	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**18.2**	0.40	ug/L	20		90.9	70-130			
Gasoline Range Organics (GRO)	**520**	40	ug/L	500		104	70-130			
Methyl-tert-Butyl Ether (MTBE)	**33.5**	0.40	ug/L	40		83.7	70-135			
Toluene	**22.3**	0.30	ug/L	20		112	75-125			
o-Xylene	**20.5**	0.30	ug/L	20		103	75-125			
m,p-Xylenes	**42.6**	0.40	ug/L	40		106	70-130			
Surrogate: 4-Bromofluorobenzene	*55.1*		*ug/L*	*50*		*110*	*70-140*			
Surrogate: Dibromofluoromethane	*45.6*		*ug/L*	*50*		*91.2*	*70-140*			
Surrogate: Toluene-d8	*54.8*		*ug/L*	*50*		*110*	*70-140*			
Matrix Spike (B6H0314-MS1)				**Source: 6G29003-20** Prepared & Analyzed: 08/03/16						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331902
Date Received: 08/01/16
Date Reported: 08/18/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
TPHG/BTEX/Oxygenates by GC/MS - Quality Control										
Batch B6H0314 - EPA 5030B										
Matrix Spike (B6H0314-MS1) Continued Source: 6G29003-20 Prepared & Analyzed: 08/03/16										
tert-Amyl Methyl Ether (TAME)	**24.8**	0.30	ug/L	20		124	70-130			
Benzene	**20.2**	0.20	ug/L	20	0.990	96.0	70-130			
tert-Butyl alcohol (TBA)	**105**	7.0	ug/L	100		105	70-130			
Diisopropyl ether (DIPE)	**20.4**	0.50	ug/L	20		102	70-130			
Ethylbenzene	**20.8**	0.20	ug/L	20		104	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**23.9**	0.40	ug/L	20		119	70-130			
Gasoline Range Organics (GRO)	**496**	40	ug/L	500		99.2	70-130			
Methyl-tert-Butyl Ether (MTBE)	**47.6**	0.40	ug/L	40		119	70-130			
Toluene	**20.0**	0.30	ug/L	20	0.910	95.2	70-130			
o-Xylene	**19.4**	0.30	ug/L	20		97.2	70-130			
m,p-Xylenes	**39.5**	0.40	ug/L	40	0.530	97.5	70-130			
Surrogate: 4-Bromofluorobenzene	*52.1*		*ug/L*	*50*		*104*	*70-140*			
Surrogate: Dibromofluoromethane	*53.4*		*ug/L*	*50*		*107*	*70-140*			
Surrogate: Toluene-d8	*48.1*		*ug/L*	*50*		*96.2*	*70-140*			
Matrix Spike Dup (B6H0314-MSD1) Source: 6G29003-20 Prepared & Analyzed: 08/03/16										
tert-Amyl Methyl Ether (TAME)	**25.6**	0.30	ug/L	20		128	70-130	3.17	30	
Benzene	**21.2**	0.20	ug/L	20	0.990	101	70-130	4.83	30	
tert-Butyl alcohol (TBA)	**119**	7.0	ug/L	100		119	70-130	12.5	30	
Diisopropyl ether (DIPE)	**20.7**	0.50	ug/L	20		104	70-130	1.71	30	
Ethylbenzene	**21.0**	0.20	ug/L	20		105	70-130	0.909	30	
Ethyl-tert-Butyl Ether (ETBE)	**23.7**	0.40	ug/L	20		119	70-130	0.588	30	
Gasoline Range Organics (GRO)	**516**	40	ug/L	500		103	70-130	3.95	30	
Methyl-tert-Butyl Ether (MTBE)	**48.7**	0.40	ug/L	40		122	70-130	2.41	30	
Toluene	**20.1**	0.30	ug/L	20	0.910	96.0	70-130	0.798	30	
o-Xylene	**20.2**	0.30	ug/L	20		101	70-130	4.03	30	
m,p-Xylenes	**40.1**	0.40	ug/L	40	0.530	99.0	70-130	1.48	30	
Surrogate: 4-Bromofluorobenzene	*53.2*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Dibromofluoromethane	*53.0*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Toluene-d8	*48.2*		*ug/L*	*50*		*96.5*	*70-140*			
Diesel Range Organics by GC/FID - Quality Control										

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331902
Date Received: 08/01/16
Date Reported: 08/18/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diesel Range Organics by GC/FID - Quality Control										
Batch B6H0924 - EPA 3510C										
Blank (B6H0924-BLK1)				Prepared: 08/08/16			Analyzed: 08/09/16			
Diesel Range Organics as Diesel	<60	60	ug/L							
Surrogate: o-Terphenyl	*34.3*		*ug/L*	*40*		*85.7*	*50-150*			
LCS (B6H0924-BS1)				Prepared: 08/08/16			Analyzed: 08/09/16			
Diesel Range Organics as Diesel	**832**	60	ug/L	800		104	75-125		30	
Surrogate: o-Terphenyl	*41.1*		*ug/L*	*40*		*103*	*50-150*			
LCS Dup (B6H0924-BSD1)				Prepared: 08/08/16			Analyzed: 08/09/16			
Diesel Range Organics as Diesel	**919**	60	ug/L	800		115	75-125	9.96	30	
Surrogate: o-Terphenyl	*47.3*		*ug/L*	*40*		*118*	*50-150*			
Total Metals by ICP Atomic Emission Spectroscopy - Quality Control										
Batch B6H0925 - EPA 3010A										
Blank (B6H0925-BLK1)				Prepared: 08/09/16			Analyzed: 08/10/16			
Arsenic	<0.0012	0.0012	mg/L							
LCS (B6H0925-BS1)				Prepared: 08/09/16			Analyzed: 08/10/16			
Arsenic	**0.185**	0.0012	mg/L	0.20		92.5	80-120		20	
LCS Dup (B6H0925-BSD1)				Prepared: 08/09/16			Analyzed: 08/10/16			
Arsenic	**0.196**	0.0012	mg/L	0.20		98.2	80-120	6.01	20	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331902
Project No:	04-NDLA-013	**Date Received:**	08/01/16
Project Name:	DFSP Norwalk GWETS NPDES Monthly	**Date Reported:**	08/18/16

Special Notes

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

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

125550

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

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	TPHd 8015M	TPHg/BTEX/Oxys 8260B	Arsenic 200.7	Special Instructions
Surge Tank	6H01019-01	8-1-16	1051	Water	5	✓	✓	✓	
After GAC-1	2	↓	1045	Water	4	✓	✓		
After GAC-2	3		1041	Water	4	✓	✓		
After Zolite Bed	4		1032	Water	1			✓	
After Alumina Bed	5	↓	1030	Water	1			✓	

SAMPLE INTEGRITY
INTACT Y N TEMP C°

REVIEWED
Date 8/1/16 Time 1615
TAT N Days Sign:

'16 AUG 1 15:05

AS331902/6H01019

Relinquished by	Date	Time	Received by
Glenn Androsko	8-1-16	13:40	
Relinquished by	Date	Time	Received by
	8-1-16	1508	
Relinquished by	Date	Time	Received by

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

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

August 22, 2016

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk / 091-NDLA

A5331910 / 6H08003

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 08/08/16 12:32 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: 091-NDLA
Project Name: DFSP Norwalk

AA Project No: A5331910
Date Received: 08/08/16
Date Reported: 08/22/16

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
HW-3	6H08003-01	Vapor	5	08/08/16 09:00	08/08/16 12:32
HW-5	6H08003-02	Vapor	5	08/08/16 09:15	08/08/16 12:32
VOCs Gasoline Range Organics Vapor					
HW-3	6H08003-01	Vapor	5	08/08/16 09:00	08/08/16 12:32
HW-5	6H08003-02	Vapor	5	08/08/16 09:15	08/08/16 12:32
VOCs GRO Vapor as Hexane					
HW-3	6H08003-01	Vapor	5	08/08/16 09:00	08/08/16 12:32
HW-5	6H08003-02	Vapor	5	08/08/16 09:15	08/08/16 12:32

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331910
Project No:	091-NDLA	**Date Received:**	08/08/16
Project Name:	DFSP Norwalk	**Date Reported:**	08/22/16
Matrix:	Vapor	**Sampled:**	08/08/16
Dilution:	1	**Prepared:**	08/08/16
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	08/08/16

HW-3

6H08003-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**6.5**	ug/L	0.50	**2.0**	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	**2.1**	ug/L	0.50	**0.56**	ppmv	0.13
o-Xylene	<0.50	ug/L	0.50	<0.12	ppmv	0.12
m,p-Xylenes	**1.4**	ug/L	1.0	**0.32**	ppmv	0.23

Surrogates	%REC	%REC Limits
4-Bromofluorobenzene	110 %	70-140
Dibromofluoromethane	118 %	70-140
Toluene-d8	98.0 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331910
Project No:	091-NDLA	**Date Received:**	08/08/16
Project Name:	DFSP Norwalk	**Date Reported:**	08/22/16
Matrix:	Vapor	**Sampled:**	08/08/16
Dilution:	1	**Prepared:**	08/08/16
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	08/08/16

HW-5

6H08003-02 (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	109 %	70-140
Dibromofluoromethane	119 %	70-140
Toluene-d8	98.6 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331910
Project No:	091-NDLA	**Date Received:**	08/08/16
Project Name:	DFSP Norwalk	**Date Reported:**	08/22/16
Matrix:	Vapor	**Sampled:**	08/08/16
Dilution:	5	**Prepared:**	08/10/16
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	08/10/16

HW-3

6H08003-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**710**	ug/L	20	**170**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	95.4 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331910
Project No:	091-NDLA	**Date Received:**	08/08/16
Project Name:	DFSP Norwalk	**Date Reported:**	08/22/16
Matrix:	Vapor	**Sampled:**	08/08/16
Dilution:	5	**Prepared:**	08/10/16
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	08/10/16

HW-5

6H08003-02 (Vapor)

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

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	93.4 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331910
Project No:	091-NDLA	**Date Received:**	08/08/16
Project Name:	DFSP Norwalk	**Date Reported:**	08/22/16
Matrix:	Vapor	**Sampled:**	08/08/16
Dilution:	5	**Prepared:**	08/10/16
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	08/10/16

HW-3

6H08003-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**710**	ug/L	20	**200**	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	95.4 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331910
Project No:	091-NDLA	**Date Received:**	08/08/16
Project Name:	DFSP Norwalk	**Date Reported:**	08/22/16
Matrix:	Vapor	**Sampled:**	08/08/16
Dilution:	5	**Prepared:**	08/10/16
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	08/10/16

HW-5

6H08003-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**480**	ug/L	20	**140**	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	93.4 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 091-NDLA
Project Name: DFSP Norwalk

AA Project No: A5331910
Date Received: 08/08/16
Date Reported: 08/22/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B6H0922 - *** DEFAULT PREP ****										
Blank (B6H0922-BLK1)				Prepared & Analyzed: 08/08/16						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*53.7*		*ug/L*	*50*		*107*	*70-140*			
Surrogate: Dibromofluoromethane	*59.2*		*ug/L*	*50*		*118*	*70-140*			
Surrogate: Toluene-d8	*49.1*		*ug/L*	*50*		*98.1*	*70-140*			
LCS (B6H0922-BS1)				Prepared & Analyzed: 08/08/16						
Benzene	**21.0**	0.50	ug/L	20		105	75-125			
Ethylbenzene	**19.9**	0.50	ug/L	20		99.6	75-125			
Methyl-tert-Butyl Ether (MTBE)	**47.0**	2.0	ug/L	40		117	75-125			
Toluene	**19.2**	0.50	ug/L	20		96.0	75-125			
o-Xylene	**19.2**	0.50	ug/L	20		95.8	75-125			
m,p-Xylenes	**38.3**	1.0	ug/L	40		95.8	75-125			
Surrogate: 4-Bromofluorobenzene	*54.5*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Dibromofluoromethane	*53.3*		*ug/L*	*50*		*107*	*70-140*			
Surrogate: Toluene-d8	*48.2*		*ug/L*	*50*		*96.4*	*70-140*			
LCS Dup (B6H0922-BSD1)				Prepared: 08/08/16 Analyzed: 08/09/16						
Benzene	**23.3**	0.50	ug/L	20		117	75-125	10.6	30	
Ethylbenzene	**20.5**	0.50	ug/L	20		103	75-125	3.01	30	
Methyl-tert-Butyl Ether (MTBE)	**41.3**	2.0	ug/L	40		103	75-125	12.8	30	
Toluene	**19.4**	0.50	ug/L	20		96.8	75-125	0.934	30	
o-Xylene	**19.5**	0.50	ug/L	20		97.6	75-125	1.91	30	
m,p-Xylenes	**39.4**	1.0	ug/L	40		98.5	75-125	2.83	30	
Surrogate: 4-Bromofluorobenzene	*55.6*		*ug/L*	*50*		*111*	*70-140*			
Surrogate: Dibromofluoromethane	*51.5*		*ug/L*	*50*		*103*	*70-140*			
Surrogate: Toluene-d8	*49.4*		*ug/L*	*50*		*98.8*	*70-140*			
Duplicate (B6H0922-DUP1)				**Source: 6H08003-02** Prepared: 08/08/16 Analyzed: 08/09/16						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 091-NDLA
Project Name: DFSP Norwalk

AA Project No: A5331910
Date Received: 08/08/16
Date Reported: 08/22/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B6H0922 - *** DEFAULT PREP ****										
Duplicate (B6H0922-DUP1) Continued			**Source: 6H08003-02**	Prepared: 08/08/16		Analyzed: 08/09/16				
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	
Surrogate: 4-Bromofluorobenzene	*52.1*		*ug/L*	*50*		*104*	*70-140*			
Surrogate: Dibromofluoromethane	*57.7*		*ug/L*	*50*		*115*	*70-140*			
Surrogate: Toluene-d8	*49.6*		*ug/L*	*50*		*99.1*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B6H1028 - *** DEFAULT PREP ****										
Blank (B6H1028-BLK1)				Prepared & Analyzed: 08/10/16						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*45.6*		*ug/L*	*50*		*91.3*	*70-130*			
LCS (B6H1028-BS1)				Prepared & Analyzed: 08/10/16						
Gasoline Range Organics (GRO)	**417**	20	ug/L	500		83.4	75-125			
Surrogate: a,a,a-Trifluorotoluene	*45.0*		*ug/L*	*50*		*90.0*	*70-130*			
LCS Dup (B6H1028-BSD1)				Prepared & Analyzed: 08/10/16						
Gasoline Range Organics (GRO)	**448**	20	ug/L	500		89.5	75-125	7.13	30	
Surrogate: a,a,a-Trifluorotoluene	*50.1*		*ug/L*	*50*		*100*	*70-130*			
Duplicate (B6H1028-DUP1)			**Source: 6H08003-01**	Prepared & Analyzed: 08/10/16						
Gasoline Range Organics (GRO)	**659**	100	ug/L		710			7.47	30	
Surrogate: a,a,a-Trifluorotoluene	*46.8*		*ug/L*	*50*		*93.5*	*70-130*			
Gasoline Range Organics in Vapor as Hexane - Quality Control										
*Batch B6H1028 - *** DEFAULT PREP ****										
Blank (B6H1028-BLK1)				Prepared & Analyzed: 08/10/16						
GRO as Hexane	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*45.6*		*ug/L*	*50*		*91.3*	*70-130*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 091-NDLA
Project Name: DFSP Norwalk

AA Project No: A5331910
Date Received: 08/08/16
Date Reported: 08/22/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics in Vapor as Hexane - Quality Control										
*Batch B6H1028 - *** DEFAULT PREP ****										
LCS (B6H1028-BS1)				Prepared & Analyzed: 08/10/16						
GRO as Hexane	**417**	20	ug/L	500		83.4	75-125			
Surrogate: a,a,a-Trifluorotoluene	*45.0*		*ug/L*	*50*		*90.0*	*70-130*			
LCS Dup (B6H1028-BSD1)				Prepared & Analyzed: 08/10/16						
GRO as Hexane	**448**	20	ug/L	500		89.5	75-125	7.13	30	
Surrogate: a,a,a-Trifluorotoluene	*50.1*		*ug/L*	*50*		*100*	*70-130*			
Duplicate (B6H1028-DUP1)		**Source: 6H08003-01**		Prepared & Analyzed: 08/10/16						
GRO as Hexane	**659**	100	ug/L		710			7.47	30	
Surrogate: a,a,a-Trifluorotoluene	*46.8*		*ug/L*	*50*		*93.5*	*70-130*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 091-NDLA
Project Name: DFSP Norwalk

AA Project No: A5331910
Date Received: 08/08/16
Date Reported: 08/22/16

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

125580

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

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

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B								Special Instructions
HW-3	6H08003-01	8-8-16	0900	Air	1	✓	✓	✓								
HW-5	2	8-8-16	0915	Air	1	✓	✓	✓								

SAMPLE INTEGRITY
INTACT (Y) N TEMP N/A

PRIORITY

Rush ___ Hrs SH 72 Hrs
Date 08/08/16 Time 15:40 Sign

A5331910 / 6H08003

Relinquished by	Date	Time	Received by
Glenn Androsko	8-8-16	11:10	[illegible] 16 AUG 8 12:3[illegible]
Relinquished by	Date	Time	Received by
[illegible]	8/8/16	1232	[illegible]
Relinquished by	Date	Time	Received by

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

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

September 07, 2016

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5331927 / 6I01009

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 09/01/16 14:31 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331927
Date Received: 09/01/16
Date Reported: 09/07/16

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
VOCs BTEX/MTBE Vapor GC/MS					
Influent	6I01009-01	Vapor	5	09/01/16 07:14	09/01/16 14:31
Effluent	6I01009-02	Vapor	5	09/01/16 07:08	09/01/16 14:31
VOCs Gasoline Range Organics Vapor					
Influent	6I01009-01	Vapor	5	09/01/16 07:14	09/01/16 14:31
Effluent	6I01009-02	Vapor	5	09/01/16 07:08	09/01/16 14:31
VOCs GRO Vapor as Hexane					
Influent	6I01009-01	Vapor	5	09/01/16 07:14	09/01/16 14:31
Effluent	6I01009-02	Vapor	5	09/01/16 07:08	09/01/16 14:31

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331927
Project No:	04-NDLA-013	**Date Received:**	09/01/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/07/16
Matrix:	Vapor	**Sampled:**	09/01/16
Dilution:	1	**Prepared:**	09/01/16
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	09/01/16

Influent

6I01009-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**1.3**	ug/L	0.50	**0.41**	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	113 %	70-140
Dibromofluoromethane	130 %	70-140
Toluene-d8	97.7 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331927
Project No:	04-NDLA-013	**Date Received:**	09/01/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/07/16
Matrix:	Vapor	**Sampled:**	09/01/16
Dilution:	0.5	**Prepared:**	09/01/16
Method:	VOCs BTEX/MTBE Vapor by GC/MS 8260M	**Analyzed:**	09/01/16

Effluent

6I01009-02 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Benzene	**0.61**	ug/L	0.50	**0.19**	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	110 %	70-140
Dibromofluoromethane	133 %	70-140
Toluene-d8	96.2 %	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331927
Project No:	04-NDLA-013	**Date Received:**	09/01/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/07/16
Matrix:	Vapor	**Sampled:**	09/01/16
Dilution:	1	**Prepared:**	09/02/16
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	09/02/16

Influent

6I01009-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
Gasoline Range Organics (GRO)	**75**	ug/L	20	**18**	ppmv	4.9

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	94.5 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331927
Project No:	04-NDLA-013	**Date Received:**	09/01/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/07/16
Matrix:	Vapor	**Sampled:**	09/01/16
Dilution:	1	**Prepared:**	09/02/16
Method:	Gasoline Range Organics in Vapor by GC/FID	**Analyzed:**	09/02/16

Effluent

6I01009-02 (Vapor)

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

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331927
Project No:	04-NDLA-013	**Date Received:**	09/01/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/07/16
Matrix:	Vapor	**Sampled:**	09/01/16
Dilution:	1	**Prepared:**	09/02/16
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	09/02/16

Influent

6I01009-01 (Vapor)

Analyte	Result	(ug/L)	MRL	Result	(ppmv)	MRL
GRO as Hexane	**75**	ug/L	20	**21**	ppmv	5.7

Surrogates	%REC	%REC Limits
a,a,a-Trifluorotoluene	94.5 %	70-130

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331927
Project No:	04-NDLA-013	**Date Received:**	09/01/16
Project Name:	DFSP Norwalk VES AQMD	**Date Reported:**	09/07/16
Matrix:	Vapor	**Sampled:**	09/01/16
Dilution:	1	**Prepared:**	09/02/16
Method:	Gasoline Range Organics in Vapor as Hexane	**Analyzed:**	09/02/16

Effluent

6I01009-02 (Vapor)

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

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

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331927
Date Received: 09/01/16
Date Reported: 09/07/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B6I0615 - *** DEFAULT PREP ****										
Blank (B6I0615-BLK1)				Prepared & Analyzed: 09/01/16						
Benzene	<0.50	0.50	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*55.2*		*ug/L*	*50*		*110*	*70-140*			
Surrogate: Dibromofluoromethane	*60.5*		*ug/L*	*50*		*121*	*70-140*			
Surrogate: Toluene-d8	*50.2*		*ug/L*	*50*		*100*	*70-140*			
LCS (B6I0615-BS1)				Prepared & Analyzed: 09/01/16						
Benzene	**18.7**	0.50	ug/L	20		93.5	75-125			
Ethylbenzene	**21.3**	0.50	ug/L	20		106	75-125			
Methyl-tert-Butyl Ether (MTBE)	**36.1**	2.0	ug/L	40		90.3	75-125			
Toluene	**20.0**	0.50	ug/L	20		99.9	75-125			
o-Xylene	**20.9**	0.50	ug/L	20		104	75-125			
m,p-Xylenes	**41.3**	1.0	ug/L	40		103	75-125			
Surrogate: 4-Bromofluorobenzene	*55.8*		*ug/L*	*50*		*112*	*70-140*			
Surrogate: Dibromofluoromethane	*48.0*		*ug/L*	*50*		*96.1*	*70-140*			
Surrogate: Toluene-d8	*52.4*		*ug/L*	*50*		*105*	*70-140*			
LCS Dup (B6I0615-BSD1)				Prepared & Analyzed: 09/01/16						
Benzene	**20.4**	0.50	ug/L	20		102	75-125	8.65	30	
Ethylbenzene	**20.1**	0.50	ug/L	20		101	75-125	5.60	30	
Methyl-tert-Butyl Ether (MTBE)	**45.5**	2.0	ug/L	40		114	75-125	23.0	30	
Toluene	**19.2**	0.50	ug/L	20		96.0	75-125	3.98	30	
o-Xylene	**19.0**	0.50	ug/L	20		95.2	75-125	9.32	30	
m,p-Xylenes	**38.5**	1.0	ug/L	40		96.2	75-125	7.07	30	
Surrogate: 4-Bromofluorobenzene	*54.4*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Dibromofluoromethane	*51.5*		*ug/L*	*50*		*103*	*70-140*			
Surrogate: Toluene-d8	*49.9*		*ug/L*	*50*		*99.9*	*70-140*			
Duplicate (B6I0615-DUP1)		**Source: 6I01010-02**		Prepared & Analyzed: 09/01/16						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331927
Date Received: 09/01/16
Date Reported: 09/07/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs BTEX/MTBE Vapor by GC/MS 8260M - Quality Control										
*Batch B6I0615 - *** DEFAULT PREP ****										
Duplicate (B6I0615-DUP1) Continued		**Source: 6I01010-02**		Prepared & Analyzed: 09/01/16						
Benzene	**1.05**	0.50	ug/L		0.760			32.0	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	*56.0*		*ug/L*	*50*		*112*	*70-140*			
Surrogate: Dibromofluoromethane	*65.4*		*ug/L*	*50*		*131*	*70-140*			
Surrogate: Toluene-d8	*48.4*		*ug/L*	*50*		*96.9*	*70-140*			
Gasoline Range Organics in Vapor by GC/FID - Quality Control										
*Batch B6I0217 - *** DEFAULT PREP ****										
Blank (B6I0217-BLK1)				Prepared & Analyzed: 09/02/16						
Gasoline Range Organics (GRO)	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*44.4*		*ug/L*	*50*		*88.7*	*70-130*			
LCS (B6I0217-BS1)				Prepared & Analyzed: 09/02/16						
Gasoline Range Organics (GRO)	**444**	20	ug/L	500		88.7	75-125			
Surrogate: a,a,a-Trifluorotoluene	*47.5*		*ug/L*	*50*		*95.1*	*70-130*			
LCS Dup (B6I0217-BSD1)				Prepared & Analyzed: 09/02/16						
Gasoline Range Organics (GRO)	**447**	20	ug/L	500		89.4	75-125	0.734	30	
Surrogate: a,a,a-Trifluorotoluene	*48.2*		*ug/L*	*50*		*96.4*	*70-130*			
Duplicate (B6I0217-DUP1)		**Source: 6I01009-02**		Prepared & Analyzed: 09/02/16						
Gasoline Range Organics (GRO)	**<20**	20	ug/L		<20				30	
Surrogate: a,a,a-Trifluorotoluene	*45.0*		*ug/L*	*50*		*90.0*	*70-130*			
Gasoline Range Organics in Vapor as Hexane - Quality Control										
*Batch B6I0217 - *** DEFAULT PREP ****										
Blank (B6I0217-BLK1)				Prepared & Analyzed: 09/02/16						
GRO as Hexane	<20	20	ug/L							
Surrogate: a,a,a-Trifluorotoluene	*44.4*		*ug/L*	*50*		*88.7*	*70-130*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331927
Date Received: 09/01/16
Date Reported: 09/07/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics in Vapor as Hexane - Quality Control										
*Batch B6I0217 - *** DEFAULT PREP ****										
LCS (B6I0217-BS1)				Prepared & Analyzed: 09/02/16						
GRO as Hexane	**444**	20	ug/L	500		88.7	75-125			
Surrogate: a,a,a-Trifluorotoluene	*47.5*		*ug/L*	*50*		*95.1*	*70-130*			
LCS Dup (B6I0217-BSD1)				Prepared & Analyzed: 09/02/16						
GRO as Hexane	**447**	20	ug/L	500		89.4	75-125	0.734	30	
Surrogate: a,a,a-Trifluorotoluene	*48.2*		*ug/L*	*50*		*96.4*	*70-130*			
Duplicate (B6I0217-DUP1)		**Source: 6I01009-02**		Prepared & Analyzed: 09/02/16						
GRO as Hexane	**<20**	20	ug/L		<20				30	
Surrogate: a,a,a-Trifluorotoluene	*45.0*		*ug/L*	*50*		*90.0*	*70-130*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331927
Date Received: 09/01/16
Date Reported: 09/07/16

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

C.O.C. # 125701

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

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Total VOCs Gas 8015	Total VOCs Hexane 8015	BTEX/MTBE 8260B								Special Instructions
						Please enter the TAT Turnaround Codes ** below										
Influent	6I01009-01	9-1-16	0714	Air	1	✓	✓	✓								
Effluent	-02	"	0708	Air	1	✓	✓	✓								

PRIORITY ✓ SH
Rush Hrs
Date 9/1/16 Time 10:30 Sign

SAMPLE INTEGRITY
INTACT ⊗ N TEMP 20°C

'16 SEP 1 4:3

Relinquished by	Date	Time	Received by
Glenn Androsko	9-1-16	1200	
Relinquished by	Date	Time	Received by
	9/1/16	14:31	
Relinquished by	Date	Time	Received by

A5331927/6I01009

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

September 13, 2016

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5331930 / 6I01012

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 09/01/16 14:31 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331930
Date Received: 09/01/16
Date Reported: 09/13/16

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B TPHGASOLINEBTEXOXY					
Surge Tank	6I01012-01	Water	5	09/01/16 07:47	09/01/16 14:31
After GAC-1	6I01012-02	Water	5	09/01/16 07:42	09/01/16 14:31
After GAC-2	6I01012-03	Water	5	09/01/16 07:38	09/01/16 14:31
Arsenic Total EPA 200.7					
Surge Tank	6I01012-01	Water	5	09/01/16 07:47	09/01/16 14:31
After Zeolite Bed	6I01012-04	Water	5	09/01/16 07:34	09/01/16 14:31
After Alumina Bed	6I01012-05	Water	5	09/01/16 07:33	09/01/16 14:31
Diesel Range Organics 8015M					
Surge Tank	6I01012-01	Water	5	09/01/16 07:47	09/01/16 14:31
After GAC-1	6I01012-02	Water	5	09/01/16 07:42	09/01/16 14:31
After GAC-2	6I01012-03	Water	5	09/01/16 07:38	09/01/16 14:31

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331930
Date Received: 09/01/16
Date Reported: 09/13/16
Units: ug/L

Date Sampled:	09/01/16	09/01/16	09/01/16		
Date Prepared:	09/07/16	09/07/16	09/07/16		
Date Analyzed:	09/07/16	09/07/16	09/07/16		
AA ID No:	6I01012-01	6I01012-02	6I01012-03		
Client ID No:	Surge Tank	After GAC-1	After GAC-2		
Matrix:	Water	Water	Water		
Dilution Factor:	1	1	1	MDL	MRL
8260B TPHGASOLINEBTEXOXY (EPA 8260B)					
tert-Amyl Methyl Ether (TAME)	<0.30	<0.30	<0.30	0.30	2.0
Benzene	**2.7**	<0.20	<0.20	0.20	0.50
tert-Butyl alcohol (TBA)	<7.0	<7.0	<7.0	7.0	10
Diisopropyl ether (DIPE)	<0.50	<0.50	<0.50	0.50	2.0
Ethylbenzene	<0.20	<0.20	<0.20	0.20	0.50
Ethyl-tert-Butyl Ether (ETBE)	<0.40	<0.40	<0.40	0.40	2.0
Gasoline Range Organics (GRO)	<40	<40	<40	40	100
Methyl-tert-Butyl Ether (MTBE)	<0.40	**0.41 J**	<0.40	0.40	2.0
Toluene	<0.30	<0.30	<0.30	0.30	0.50
o-Xylene	<0.30	<0.30	<0.30	0.30	0.50
m,p-Xylenes	<0.40	<0.40	<0.40	0.40	1.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	114%	110%	109%		70-140
Dibromofluoromethane	122%	125%	130%		70-140
Toluene-d8	101%	99%	101%		70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331930
Date Received: 09/01/16
Date Reported: 09/13/16
Units: ug/L

Date Sampled:	09/01/16	09/01/16	09/01/16		
Date Prepared:	09/01/16	09/01/16	09/01/16		
Date Analyzed:	09/02/16	09/02/16	09/02/16		
AA ID No:	6I01012-01	6I01012-02	6I01012-03		
Client ID No:	Surge Tank	After GAC-1	After GAC-2		
Matrix:	Water	Water	Water		
Dilution Factor:	1	1	1	MDL	MRL
Diesel Range Organics 8015M (EPA 8015M)					
Diesel Range Organics as Diesel	<60	<60	<60	60	100
Surrogates				**%REC Limits**	
o-Terphenyl	121%	117%	99%	50-150	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331930
Date Received: 09/01/16
Date Reported: 09/13/16

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
Arsenic Total EPA 200.7 (EPA 200.7)									
6I01012-01	Surge Tank	09/01/16	09/06/16	09/07/16	1	**0.048**	mg/L	0.006	0.007
6I01012-04	After Zeolite Bed	09/01/16	09/06/16	09/07/16	1	**0.024**	mg/L	0.006	0.007
6I01012-05	After Alumina Bed	09/01/16	09/06/16	09/07/16	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-013
Project Name: DFSP Norwalk GWETS NPDES Monthly

AA Project No: A5331930
Date Received: 09/01/16
Date Reported: 09/13/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
TPHG/BTEX/Oxygenates by GC/MS - Quality Control										
Batch B6I0726 - EPA 5030B										
Blank (B6I0726-BLK1)				Prepared & Analyzed: 09/07/16						
Naphthalene	<5.0	5.0	ug/L							
tert-Amyl Methyl Ether (TAME)	<0.30	0.30	ug/L							
Benzene	<0.20	0.20	ug/L							
tert-Butyl alcohol (TBA)	<7.0	7.0	ug/L							
Diisopropyl ether (DIPE)	<0.50	0.50	ug/L							
Ethylbenzene	<0.20	0.20	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<0.40	0.40	ug/L							
Gasoline Range Organics (GRO)	<40	40	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<0.40	0.40	ug/L							
Toluene	<0.30	0.30	ug/L							
o-Xylene	<0.30	0.30	ug/L							
m,p-Xylenes	<0.40	0.40	ug/L							
Surrogate: 4-Bromofluorobenzene	*56.2*		*ug/L*	*50*		*112*	*70-140*			
Surrogate: Dibromofluoromethane	*54.0*		*ug/L*	*50*		*108*	*70-140*			
Surrogate: Toluene-d8	*51.7*		*ug/L*	*50*		*103*	*70-140*			
LCS (B6I0726-BS1)				Prepared: 09/07/16 Analyzed: 09/08/16						
tert-Amyl Methyl Ether (TAME)	**16.9**	0.30	ug/L	20		84.6	70-130			
Benzene	**23.5**	0.20	ug/L	20		117	75-125			
tert-Butyl alcohol (TBA)	**110**	7.0	ug/L	100		110	70-130			
Diisopropyl ether (DIPE)	**23.6**	0.50	ug/L	20		118	70-130			
Ethylbenzene	**22.5**	0.20	ug/L	20		113	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**19.5**	0.40	ug/L	20		97.4	70-130			
Gasoline Range Organics (GRO)	**560**	40	ug/L	500		112	70-130			
Methyl-tert-Butyl Ether (MTBE)	**38.1**	0.40	ug/L	40		95.3	70-135			
Toluene	**22.6**	0.30	ug/L	20		113	75-125			
o-Xylene	**20.9**	0.30	ug/L	20		104	75-125			
m,p-Xylenes	**42.6**	0.40	ug/L	40		107	70-130			
Surrogate: 4-Bromofluorobenzene	*55.0*		*ug/L*	*50*		*110*	*70-140*			
Surrogate: Dibromofluoromethane	*52.9*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Toluene-d8	*57.2*		*ug/L*	*50*		*114*	*70-140*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331930
Date Received: 09/01/16
Date Reported: 09/13/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
TPHG/BTEX/Oxygenates by GC/MS - Quality Control										
Batch B6I0726 - EPA 5030B										
Matrix Spike (B6I0726-MS1)			**Source: 6I06026-03**	Prepared & Analyzed: 09/07/16						
tert-Amyl Methyl Ether (TAME)	**19.4**	0.30	ug/L	20		96.8	70-130			
Benzene	**22.6**	0.20	ug/L	20		113	70-130			
tert-Butyl alcohol (TBA)	**136**	7.0	ug/L	100		136	70-130			QM-07
Diisopropyl ether (DIPE)	**24.2**	0.50	ug/L	20		121	70-130			
Ethylbenzene	**20.5**	0.20	ug/L	20		103	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**20.9**	0.40	ug/L	20		104	70-130			
Gasoline Range Organics (GRO)	**444**	40	ug/L	500		88.8	70-130			
Methyl-tert-Butyl Ether (MTBE)	**38.6**	0.40	ug/L	40		96.4	70-130			
Toluene	**19.6**	0.30	ug/L	20		98.2	70-130			
o-Xylene	**19.9**	0.30	ug/L	20		99.6	70-130			
m,p-Xylenes	**38.9**	0.40	ug/L	40		97.3	70-130			
Surrogate: 4-Bromofluorobenzene	*54.6*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Dibromofluoromethane	*52.8*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Toluene-d8	*50.5*		*ug/L*	*50*		*101*	*70-140*			
Matrix Spike Dup (B6I0726-MSD1)			**Source: 6I06026-03**	Prepared & Analyzed: 09/07/16						
tert-Amyl Methyl Ether (TAME)	**18.1**	0.30	ug/L	20		90.7	70-130	6.56	30	
Benzene	**22.1**	0.20	ug/L	20		111	70-130	2.32	30	
tert-Butyl alcohol (TBA)	**150**	7.0	ug/L	100		150	70-130	9.79	30	QM-07
Diisopropyl ether (DIPE)	**23.2**	0.50	ug/L	20		116	70-130	4.01	30	
Ethylbenzene	**20.4**	0.20	ug/L	20		102	70-130	0.635	30	
Ethyl-tert-Butyl Ether (ETBE)	**20.0**	0.40	ug/L	20		99.8	70-130	4.55	30	
Gasoline Range Organics (GRO)	**477**	40	ug/L	500		95.4	70-130	7.17	30	
Methyl-tert-Butyl Ether (MTBE)	**42.3**	0.40	ug/L	40		106	70-130	9.10	30	
Toluene	**19.9**	0.30	ug/L	20		99.4	70-130	1.16	30	
o-Xylene	**19.8**	0.30	ug/L	20		98.8	70-130	0.756	30	
m,p-Xylenes	**39.1**	0.40	ug/L	40		97.7	70-130	0.436	30	
Surrogate: 4-Bromofluorobenzene	*53.5*		*ug/L*	*50*		*107*	*70-140*			
Surrogate: Dibromofluoromethane	*52.5*		*ug/L*	*50*		*105*	*70-140*			
Surrogate: Toluene-d8	*51.2*		*ug/L*	*50*		*102*	*70-140*			
Diesel Range Organics by GC/FID - Quality Control										

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331930
Date Received: 09/01/16
Date Reported: 09/13/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diesel Range Organics by GC/FID - Quality Control										
Batch B6I0115 - EPA 3510C										
Blank (B6I0115-BLK1)				Prepared: 09/01/16			Analyzed: 09/02/16			
Diesel Range Organics as Diesel	<60	60	ug/L							
Surrogate: o-Terphenyl	*47.3*		*ug/L*	*40*		*118*	*50-150*			
LCS (B6I0115-BS1)				Prepared: 09/01/16			Analyzed: 09/02/16			
Diesel Range Organics as Diesel	**869**	60	ug/L	800		109	75-125		30	
Surrogate: o-Terphenyl	*51.2*		*ug/L*	*40*		*128*	*50-150*			
LCS Dup (B6I0115-BSD1)				Prepared: 09/01/16			Analyzed: 09/02/16			
Diesel Range Organics as Diesel	**855**	60	ug/L	800		107	75-125	1.72	30	
Surrogate: o-Terphenyl	*50.2*		*ug/L*	*40*		*126*	*50-150*			
Total Metals by ICP Atomic Emission Spectroscopy - Quality Control										
Batch B6I0628 - EPA 200.7										
Blank (B6I0628-BLK1)				Prepared: 09/06/16			Analyzed: 09/07/16			
Arsenic	<0.0060	0.0060	mg/L							
LCS (B6I0628-BS1)				Prepared: 09/06/16			Analyzed: 09/07/16			
Arsenic	**0.236**	0.0060	mg/L	0.20		118	80-120		20	
LCS Dup (B6I0628-BSD1)				Prepared: 09/06/16			Analyzed: 09/07/16			
Arsenic	**0.225**	0.0060	mg/L	0.20		112	80-120	4.77	20	
Duplicate (B6I0628-DUP1)		**Source: 6I01012-05**		Prepared: 09/06/16			Analyzed: 09/07/16			
Arsenic	**0.0250**	0.0060	mg/L		0.0270			7.69	30	
Matrix Spike (B6I0628-MS1)		**Source: 6I01011-01**		Prepared: 09/06/16			Analyzed: 09/07/16			
Arsenic	**0.211**	0.0060	mg/L	0.20		106	75-125		20	
Matrix Spike Dup (B6I0628-MSD1)		**Source: 6I01011-01**		Prepared: 09/06/16			Analyzed: 09/07/16			
Arsenic	**0.238**	0.0060	mg/L	0.20		119	75-125	12.0	20	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5331930
Project No:	04-NDLA-013	**Date Received:**	09/01/16
Project Name:	DFSP Norwalk GWETS NPDES Monthly	**Date Reported:**	09/13/16

Special Notes

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

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

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

C.o.c 125704

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

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	TPHd 8015M	TPHg/BTEX/Oxys 8260B	Arsenic 200.7								Special Instructions
						Please enter the TAT Turnaround Codes ** below										
Surge Tank	6I01012-01	9-1-16	0747	Water	5	✓	✓	✓								
After GAC-1	-02		0742	Water	4	✓	✓									
After GAC-2	-03		0738	Water	4	✓	✓									
After Zolite Bed	-04		0734	Water	1			✓								
After Alumina Bed	-05		0733	Water	1			✓								

REVIEWED
Date 9/1/16 Time 1645
TAT N Days Sign:

SAMPLE INTEGRITY
INTACT (Y) N TEMP 5°C

'16 SEP 1 1631

For AA Lab Use Only	Relinquished by	Date	Time	Received by
A5331930/6I01012	Glenn Androsko	9-1-16	13:00	
		9/1/16	14:31	
	Relinquished by	Date	Time	Received by

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

APPENDIX B

WASTE MANIFESTS AND RECEIVING TICKETS

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

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CA8971524360
2. Page 1 of 1
3. Emergency Response Phone: (310) 241-2833
4. Manifest Tracking Number: 008698129 FLE

5. Generator's Name and Mailing Address
Defense Logistics Agency - Energy
3171 North Gaffey St.
San Pedro, CA 90731
Attn: Wayne Worthington
(310) 241-2833
Generator's Phone:

Generator's Site Address (if different than mailing address)
DFSP Norwalk
16306 Norwalk Blvd.
Norwalk, CA 90650

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

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

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

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN1993, Flammable Liquid, n.o.s., 3, PGII (contains jet fuel)	001	TT	1400	G	
	2.					
	3. No others					
	4.					

14. Special Handling Instructions and Additional Information
EXCAVATED Jet Fuels & Groundwater
SGI/APEX Contact: Glenn Androska
(714) 666-1069
WEAR ALL APPROPRIATE PROTECTIVE CLOTHING
BESI PO # 271575
No DTK Profile Number since all fuel

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

Generator's/Offeror's Printed/Typed Name: WAYNE WORTHINGTON
Signature:
Month 08 Day 25 Year 16

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

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: MIGUEL GARCIA
Signature:
Month 08 Day 25 Year 16

Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

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

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H039 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Alex Ulloa
Signature:
Month 08 Day 25 Year 16

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

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

TRANSPORTER'S COPY

15306NOR
1399369

DeMenno Kerdoon
2000 N Alameda Street
Compton, CA 90222

Ticket: **206087**
Date: 8/25/2016
Time: 15:11:10 - 16:44:41

Gross:	36680 lb	In	Scale 1
Tare:	26960 lb	Out	Scale 1
Net:	9720 lb		
Tons:	4.86		

Hauler: NIETO & SONS-NIE001
Truck: 506 License:7010871
Trailer: License:
Driver: MIGUEL GARCIA

Barrels: 33.40

1403 / 14

Customer: BELSHIRE ENVIRONMENTAL SVC.INC-BEL001
Product: WASTE OIL

Wash Out: Cold
Gallons: 0
Minutes: 0

Tank: 1005
Tank 2: NA
Category: NA
Profile: NA
W/P: No

PO: 271575 Load Gallons: 1,400

RECEIVING

Lab Analysis

BS&W:	4.00	API Temp:	78.00	Halides:	0-250
Gravity:	38.60	Sediment:	1.00	Actual Halides:	0
pH:	0.00	Flash Point:	<100.00	Comment:	

Deputy Weighmaster In: Allan Villavicencio
Deputy Weighmaster Out: Allan Villavicencio

Manifest/BOL
008698129FLE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

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

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CA8971524360
2. Page 1 of: 1
3. Emergency Response Phone: (310) 241-2022
4. Manifest Tracking Number: 009716003 FLE

5. Generator's Name and Mailing Address
Defense Logistics Agency - Energy
Attn: Wayne Worthington
2171 North Gaffey St.
San Pedro, CA 90731
Generator's Phone: (310) 241-2022

Generator's Site Address (if different than mailing address)
DFSP Norwalk
15906 Norwalk Blvd.
Norwalk, CA 90650

6. Transporter 1 Company Name: NIETO & SONS TRUCKING, INC.
U.S. EPA ID Number: CAT080016116

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

8. Designated Facility Name and Site Address
DeMenno Kerdoon (Attn: Hannah)
2000 N. Alameda St.
Compton, CA 90222
Facility's Phone: (310) 537-7100
U.S. EPA ID Number: CAD000013352

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, Flammable Liquid, n.o.s., 3, PGII (contains jet fuel)	001	TF	1,100	G	134		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
ERNS: 136 / Jet Fuel/s Groundwater
SGI/APEX Contact: Glenn Andreoko
(714) 506-1080
WEAR ALL APPROPRIATE PROTECTIVE CLOTHING
PREST: 274575
292017

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

Generator's/Offeror's Printed/Typed Name: Wayne Worthington
Signature
Month 09 Day 08 Year 16

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

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: GILBERT GARCIA
Signature
Month 9 Day 8 Year 16
Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

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

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H039
2.
3.
4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Marcus Worsley
Signature
Month 09 Day 08 Year 16

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

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

TRANSPORTER'S COPY

15306NOR
1406965

DeMemo Kerdoon
2000 N Alameda Street
Compton, CA 90222

Ticket: **207278**
Date: 9/8/2016
Time: 14:29:22 - 16:34:39

Gross: 34360 lb In Scale 1
Tare: 27000 lb Out Scale 1
Net: 7360 lb
Tons: 3.68
Barrels: 26.40
Wash Out: Cold
Gallons: 30
Minutes: 10

1109 / 3

Hauler: NIETO & SONS-NIE001
Truck: 506 License:7010871
Trailer: License:
Driver: GUILBERT

Customer: BELSHIRE ENVIRONMENTAL SVC.INC-BEL001

Product: OILY WATER

Tank: 1005
Tank 2: NA
Category: NA
Profile: NA
W/P: No

PO: 271575 Load Gallons: 1,100

RECEIVING

Lab Analysis

BS&W:	3.00	API Temp:	82.00	Halides:	0-250
Gravity:	46.00	Sediment:	0.30	Actual Halides:	0
pH:	0.00	Flash Point:	<100.00	Comment:	I 2 PRICING OK PER ARIN

Deputy Weighmaster In: Marcus Wormley
Deputy Weighmaster Out: Marcus Wormley

Manifest/BOL
009716003FLE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.