

October 11, 2016

Information & Technology Unit
California Regional Water Quality Control Board, Los Angeles Region
320 West Fourth Street, Suite 200
Los Angeles, California 90013

Subject: **GROUNDWATER DISCHARGE MONITORING REPORT
QUARTER 3, 2016
NPDES No. CAG994004; Compliance File No. CI-7585**
Defense Fuel Support Point, Norwalk
15306 Norwalk Boulevard
Norwalk, California

On behalf of The Defense Logistics Agency Installation Support for Energy (DLA Energy), The Source Group, Inc. (SGI) presents this groundwater discharge monitoring report to summarize the National Pollutant Discharge Elimination System (NPDES) monitoring activities for Quarter 3, 2016 at Defense Fuel Support Point (DFSP), Norwalk located at 15306 Norwalk Boulevard, in Norwalk, California (Site).

SUMMARY OF REMEDIATION PROGRESS AND DISCHARGE VOLUMES

Active remediation systems at the Site consist of a soil vapor extraction system (VES) and a groundwater extraction and treatment system (GWETS) for treatment of extracted soil vapors and groundwater to address the entire former tank farm, the former water tank, former truck fueling, and pump house areas during the subject reporting period.

The GWETS consists of five vertical extraction wells (four 6-inch diameter wells and one 4-inch diameter well), three bag filter vessels, two MYCELX oil separator vessels, three granular activated carbon (GAC) vessels, and two ion exchange vessels. Four wells (GW-2, GW-13, GW-15, and GW-16) were in operation during this reporting period. As summarized in Table 1, the treated groundwater was discharged in accordance with NPDES Permit No. CAG994004, Compliance File No. CI-7585.

The GWETS discharge volumes and field notes for the reporting period are summarized in Tables 2a, 2b, and 2c. Periodic site visits were conducted to assess and optimize system operation and record operational data. The total volume of groundwater extracted by the GWETS during this reporting period was approximately 698,046 gallons. Based on the total petroleum hydrocarbons as diesel (TPHd) results for influent water samples and total groundwater extracted, the mass of TPHd removed by the GWETS was approximately 0.7 pounds (Table 2c) during Quarter 3, 2016.

There were no changes in the operation of the facility that have or would change the character, location, or volume of the groundwater discharge.

SUMMARY OF COMPLIANCE RESULTS

Representative samples of treated groundwater were collected from the system effluent and analyzed for compounds as required by the Monitoring and Reporting Program (MRP). The sampling results indicate concentrations were below detection limits or did not exceed permit required discharge levels. The sample dates and summary of test results are provided in Table 1. Laboratory analytical reports and chain-of-custody documents are included in Appendix A.

Compliance samples were submitted to a laboratory certified for analyses of requested methods by the California Department of Public Health (CDPH) Environmental Laboratory Approval Program (ELAP). The laboratory analyzed samples in batches with other samples of similar matrix and analyzed quality control samples with each batch to assess method precision and accuracy. Duplicate sample or matrix spike/matrix spike duplicate sample pairs were analyzed to assess method precision. Matrix spike sample results also demonstrate method accuracy. Method blank and laboratory control samples are analyzed to assess potential laboratory contamination and method accuracy without potential matrix interferences, respectively.

SUMMARY OF NON-COMPLIANCE

The GWETS operated in compliance with NPDES No. CAG994004, CI-7585 during this reporting period.

LABORATORY CERTIFICATION

All analyses were conducted at a laboratory certified for such analyses by the CDPH or approved by the Executive Officer and in accordance with current United States Environmental Protection Agency (USEPA) guideline procedures or as specified in this MRP. The laboratory's quality control data is included in the laboratory analytical reports provided in Appendix A. A copy of the laboratory ELAP certification is provided in Appendix B.

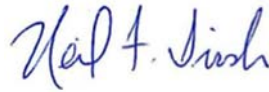
REPORT CERTIFICATION

The DLA Energy report certification is provided in Appendix C.

Sincerely,



Michael Wood, P.E.
Senior Engineer



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

Attachments:

Table 1 – Summary of Effluent Groundwater Analytical Sampling Results - 3rd Quarter 2016
Table 2a – Groundwater Extraction and Treatment System Operations Summary - July
Table 2b – Groundwater Extraction and Treatment System Operations Summary - August
Table 2c – Groundwater Extraction and Treatment System Operations Summary - September

Appendix A – Laboratory Analytical Reports and Chain-of-Custody Documents
Appendix B – Laboratory ELAP Certification
Appendix C – Report Certification

cc: Mr. Paul Cho, LARWQCB
Ms. Carol Devier-Heeney, DLA-E
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TABLES

TABLE 1
Summary of Effluent Groundwater Analytical Sampling Results - 3rd Quarter 2016
 DFSP, Norwalk
 15306 Norwalk Blvd., Norwalk, CA

Sampling Frequency			Monthly							Quarterly											Annually
Laboratory Analysis Methods			--	SM 4500 H+B ^a	--	EPA 8015B (M)	EPA 8260B	EPA 8260B	EPA 6020	SM 5520 B	EPA 6020	SM 2130 B	SM 4500 S2-D	SM 4500-Cl F ^b	SM 2540 C	SM 2540 D	SM 2540 F	SM 5540 C	EPA 420.1	SM 5210 B	EPA 2000.0
Daily Discharge Limitations			--	--	--	100 µg/L	5 µg/L	12 µg/L	10 µg/L	15 mg/L	30 µg/L	150 NTU	1.0 mg/L	0.1 mg/L	--	75 mg/L	0.3 mL/L	0.5 mg/L	1.0 mg/L	30 mg/L	--
Monthly Discharge Limitations			--	--	--	--	--	--	--	10 mg/L	15 µg/L	50 NTU	--	--	--	50 mg/L	0.1 mL/L	--	--	20 mg/L	--
Sample Date	Notes	GWETS Wells On Line	Average Flow Rate	pH	Temp-erature	TPH	MTBE	TBA	Arsenic	Oil & Grease	Copper	Turbidity	Sulfides	Residual Chlorine	Total Dissolved Solids	Total Suspended Solids	Settleable Solids	MBAS	Phenols	BOD ₅ 20°C	Acute Toxicity
			(gpm)	pH units	°C	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(µg/L)	(NTU)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mL/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
07/11/16	1	GW-2, GW-13, GW-15, GW-16	4.5	7.38	27.3	<100	<0.40	<7.0	<6.0	--	--	--	--	--	--	--	--	--	--	--	--
08/01/16	1	GW-2, GW-13, GW-15, GW-16	5.5	7.40	23.0	<100	<0.40	<7.0	6.5	<5.0	<2.0	2.6	<0.027	<0.1	960	<5.0	<0.1	<0.05	<0.15	<5.0	--
09/01/16	2	GW-2, GW-13, GW-15, GW-16	5.7	7.50	22.9	<100	<0.40	<7.0	<6.0	--	--	--	--	--	--	--	--	--	--	--	--

Legend / Notes:

GWETS = Groundwater extraction and treatment system

TPH = Total petroleum hydrocarbons (gasoline range organics [GRO] and diesel range organics [DRO])

MTBE = Methyl tertiary-butyl ether

TBA = tertiary-Butyl alcohol

MBAS = Methylene blue active substances

BOD = Biochemical oxygen demand

gpm = Gallons per minute

mg/L = Micrograms per liter

mg/L = Milligrams per liter

NTU = Nephelometric Turbidity Units

mL/L = Milliliters per liter

<0.40 = Not detected at or above the Method Detection Limit (MDL) shown.

-- = Not available or not analyzed

a = Measured in the field using an Oakton[®] pHTester Model 30.

b = Measured in the field using a HACH[®] Chlorine Test Kit Model CN-70.

1 = Pump in well GW-2 off-line for maintenance from 07/22/16 to 08/04/16, and from 08/22/16 to 08/30/16.

2 = GWETS manually shut down on 09/26/16 in advance of groundwater monitoring and sampling activities scheduled for early October 2016.

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

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

Legend / Notes:

- 1 = 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.

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.

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

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

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

Legend / Notes:

- 1 = Collected monthly 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.

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

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

* = 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

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

Legend / Notes:

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

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

lb = Pounds
 DRO = Diesel range organics

A = Hydrocarbon removal is calculated using analytical laboratory results for DRO (if not detected, half the detection limit is used)
 from sample collected on: 09/01/16 (laboratory report attached).

-- = Not applicable

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

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

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 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

A5331876 / 6G12019

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: A5331876
Date Received: 07/12/16
Date Reported: 07/28/16

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

Effluent	6G12019-01	Water	5	07/11/16 13:17	07/12/16 15:39
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Arsenic Total EPA 200.7

Effluent	6G12019-01	Water	5	07/11/16 13:17	07/12/16 15:39
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Diesel Range Organics 8015M

Effluent	6G12019-01	Water	5	07/11/16 13:17	07/12/16 15:39
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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: A5331876
Date Received: 07/12/16
Date Reported: 07/28/16
Units: ug/L

Date Sampled:	07/11/16		
Date Prepared:	07/13/16		
Date Analyzed:	07/13/16		
AA ID No:	6G12019-01		
Client ID No:	Effluent		
Matrix:	Water		
Dilution Factor:	1	MDL	MRL

8260B TPHGASOLINEBTEXOXY (EPA 8260B)

tert-Amyl Methyl Ether (TAME)	<0.30	0.30	2.0
Benzene	<0.20	0.20	0.50
tert-Butyl alcohol (TBA)	<7.0	7.0	10
Diisopropyl ether (DIPE)	<0.50	0.50	2.0
Ethylbenzene	<0.20	0.20	0.50
Ethyl-tert-Butyl Ether (ETBE)	<0.40	0.40	2.0
Gasoline Range Organics (GRO)	<40	40	100
Methyl-tert-Butyl Ether (MTBE)	<0.40	0.40	2.0
Toluene	<0.30	0.30	0.50
o-Xylene	<0.30	0.30	0.50
m,p-Xylenes	0.46 J	0.40	1.0

Surrogates

		<u>%REC Limits</u>
4-Bromofluorobenzene	110%	70-140
Dibromofluoromethane	115%	70-140
Toluene-d8	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: A5331876
Date Received: 07/12/16
Date Reported: 07/28/16
Units: ug/L

Date Sampled:	07/11/16		
Date Prepared:	07/13/16		
Date Analyzed:	07/13/16		
AA ID No:	6G12019-01		
Client ID No:	Effluent		
Matrix:	Water		
Dilution Factor:	1	MDL	MRL

Diesel Range Organics 8015M (EPA 8015M)

Diesel Range Organics as Diesel	<60	60	100
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Surrogates

o-Terphenyl	100%
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%REC Limits

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: A5331876
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
<u>Arsenic Total EPA 200.7 (EPA 200.7)</u>									
6G12019-01	Effluent	07/11/16	07/14/16	07/14/16	1	<0.0060	mg/L	0.006	0.007

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

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

AA Project No: A5331876
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
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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: A5331876
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										
<i>Batch B6G1325 - EPA 5030B</i>										
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: A5331876
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									
<i>Batch B6G1318 - EPA 3510C</i>									
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									
<i>Batch B6G1419 - EPA 200.7</i>									
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	<0.0070	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	<0.0070	104 75-125	6.51	20	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

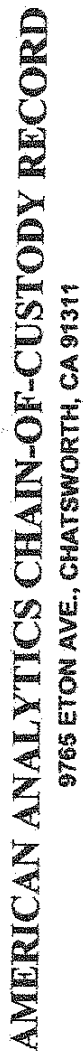
Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GWETS NPDES Monthly

AA Project No: A5331876
Date Received: 07/12/16
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



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

Page 1 of 1

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

[illegible]

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



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 Quarterly / 04-NDLA-013

A5331901 / 6H01018

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 Quarterly

AA Project No: A5331901
Date Received: 08/01/16
Date Reported: 08/18/16

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
<u>8260B TPHGASOLINEBTEXOXY</u>					
Effluent	6H01018-01	Water	5	08/01/16 10:25	08/01/16 15:08
Effluent-Dup	6H01018-02	Water	5	08/01/16 10:26	08/01/16 15:08
<u>Arsenic Total EPA 200.7</u>					
Effluent	6H01018-01	Water	5	08/01/16 10:25	08/01/16 15:08
<u>BOD SM5210B</u>					
Effluent	6H01018-01	Water	5	08/01/16 10:25	08/01/16 15:08
<u>Chlorine Residual SM 4500 Cl G</u>					
Effluent	6H01018-01	Water	5	08/01/16 10:25	08/01/16 15:08
<u>Copper Total EPA 200.7</u>					
Effluent	6H01018-01	Water	5	08/01/16 10:25	08/01/16 15:08
<u>Diesel Range Organics 8015M</u>					
Effluent	6H01018-01	Water	5	08/01/16 10:25	08/01/16 15:08
Effluent-Dup	6H01018-02	Water	5	08/01/16 10:26	08/01/16 15:08
<u>HEM Oil and Grease 1664</u>					
Effluent	6H01018-01	Water	5	08/01/16 10:25	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 Quarterly

AA Project No: A5331901
Date Received: 08/01/16
Date Reported: 08/18/16

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
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MBAS SM5540C

Effluent	6H01018-01	Water	5	08/01/16 10:25	08/01/16 15:08
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Phenols 420.1

Effluent	6H01018-01	Water	5	08/01/16 10:25	08/01/16 15:08
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SS SM2540F

Effluent	6H01018-01	Water	5	08/01/16 10:25	08/01/16 15:08
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Sulfide SM4500-S=D

Effluent	6H01018-01	Water	5	08/01/16 10:25	08/01/16 15:08
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TDS SM2540C

Effluent	6H01018-01	Water	5	08/01/16 10:25	08/01/16 15:08
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TSS SM2540D

Effluent	6H01018-01	Water	5	08/01/16 10:25	08/01/16 15:08
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Turbidity 180.1

Effluent	6H01018-01	Water	5	08/01/16 10:25	08/01/16 15:08
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Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GWETS NPDES Quarterly
Method: General Chemistry Analyses

AA Project No: A5331901
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
<u>BOD SM5210B (SM5210B) *</u>									
6H01018-01	Effluent	08/01/16	08/03/16	08/08/16	1	<5.0	mg/L	5	5
<u>Chlorine Residual SM 4500 Cl G (EPA 330.3)</u>									
6H01018-01	Effluent	08/01/16	08/01/16	08/01/16	1	<0.10	mg/L	0.1	0.5
<u>HEM Oil and Grease 1664 (EPA 1664)</u>									
6H01018-01	Effluent	08/01/16	08/08/16	08/08/16	1	<5.0	mg/L	5	10
<u>MBAS SM5540C (SM5540C) *</u>									
6H01018-01	Effluent	08/01/16	08/02/16	08/02/16	1	<0.050	mg/L	0.05	0.05
<u>Phenols 420.1 (EPA 420.1) *</u>									
6H01018-01	Effluent	08/01/16	08/04/16	08/04/16	1	<0.15	mg/L	0.15	0.3
<u>SS SM2540F (SM2540F)</u>									
6H01018-01	Effluent	08/01/16	08/02/16	08/02/16	1	<0.100	mL/L	0.1	0.1
<u>Sulfide SM4500-S=D (SM4500-S=D)</u>									
6H01018-01	Effluent	08/01/16	08/05/16	08/05/16	1	<0.027	mg/L	0.027	0.05
<u>TDS SM2540C (SM2540C)</u>									
6H01018-01	Effluent	08/01/16	08/05/16	08/05/16	50	960	mg/L	6.2	10
<u>TSS SM2540D (SM2540D)</u>									
6H01018-01	Effluent	08/01/16	08/03/16	08/03/16	1	<5.0	mg/L	5	10
<u>Turbidity 180.1 (EPA 180.1)</u>									
6H01018-01	Effluent	08/01/16	08/01/16	08/01/16	1	2.6	NTU	0.168	1

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

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

AA Project No: A5331901
Date Received: 08/01/16
Date Reported: 08/18/16
Units: ug/L

Date Sampled:	08/01/16	08/01/16		
Date Prepared:	08/03/16	08/03/16		
Date Analyzed:	08/03/16	08/03/16		
AA ID No:	6H01018-01	6H01018-02		
Client ID No:	Effluent	Effluent-Dup		
Matrix:	Water	Water		
Dilution Factor:	1	1	MDL	MRL

8260B TPHGASOLINEBTEXOXY (EPA 8260B)

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

Surrogates

			<u>%REC Limits</u>
4-Bromofluorobenzene	106%	107%	70-140
Dibromofluoromethane	118%	115%	70-140
Toluene-d8	94%	98%	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 Quarterly
Method: Diesel Range Organics by GC/FID

AA Project No: A5331901
Date Received: 08/01/16
Date Reported: 08/18/16
Units: ug/L

Date Sampled:	08/01/16	08/01/16		
Date Prepared:	08/08/16	08/08/16		
Date Analyzed:	08/09/16	08/09/16		
AA ID No:	6H01018-01	6H01018-02		
Client ID No:	Effluent	Effluent-Dup		
Matrix:	Water	Water		
Dilution Factor:	1	1	MDL	MRL

Diesel Range Organics 8015M (EPA 8015M)

Diesel Range Organics as Diesel	<60	<60	60	100
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<u>Surrogates</u>			<u>%REC Limits</u>
o-Terphenyl	75%	81%	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 Quarterly
Method: Total Metals by ICP Atomic Emission Spectroscopy

AA Project No: A5331901
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
<u>Arsenic Total EPA 200.7 (EPA 200.7)</u>									
6H01018-01	Effluent	08/01/16	08/09/16	08/10/16	1	0.0065	mg/L	0.006	0.007
<u>Copper Total EPA 200.7 (EPA 200.7)</u>									
6H01018-01	Effluent	08/01/16	08/09/16	08/10/16	1	<0.0004 0	mg/L	0.002	0.002

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Operations Manager

**LABORATORY ANALYSIS RESULTS**

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

AA Project No: A5331901
Date Received: 08/01/16
Date Reported: 08/18/16

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD	RPD Limit	Notes
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General Chemistry Analyses - Quality Control

Batch B6H0124 - NO PREP

Blank (B6H0124-BLK1) Prepared & Analyzed: 08/01/16

Chlorine Residual <0.10 0.10 mg/L

LCS (B6H0124-BS1) Prepared & Analyzed: 08/01/16

Chlorine Residual **0.870** 0.10 mg/L 1.0 87.0 80-120

LCS Dup (B6H0124-BSD1) Prepared & Analyzed: 08/01/16

Chlorine Residual **0.890** 0.10 mg/L 1.0 89.0 80-120 2.27 20

Duplicate (B6H0124-DUP1) **Source: 6H01018-01** Prepared & Analyzed: 08/01/16

Chlorine Residual **<0.10** 0.10 mg/L <0.50 25

Batch B6H0125 - NO PREP

Blank (B6H0125-BLK1) Prepared & Analyzed: 08/01/16

Turbidity <0.17 0.17 NTU

Duplicate (B6H0125-DUP1) **Source: 6H01018-01** Prepared & Analyzed: 08/01/16

Turbidity **2.19** 0.17 NTU 2.56 15.6 20

Batch B6H0229 - NO PREP

Blank (B6H0229-BLK1) Prepared & Analyzed: 08/02/16

Total Settleable Solids <0.100 0.100 mL/L

Batch B6H0324 - NO PREP

Blank (B6H0324-BLK1) Prepared & Analyzed: 08/03/16

Total Suspended Solids <5.0 5.0 mg/L

LCS (B6H0324-BS1) Prepared & Analyzed: 08/03/16

Total Suspended Solids **42.0** 5.0 mg/L 50 84.0 80-120

LCS Dup (B6H0324-BSD1) Prepared & Analyzed: 08/03/16

Total Suspended Solids **44.0** 5.0 mg/L 50 88.0 80-120 4.65 20

Duplicate (B6H0324-DUP1) **Source: 6H01018-01** Prepared & Analyzed: 08/03/16

Total Suspended Solids **<5.0** 5.0 mg/L <10 20

Batch B6H0427 - NO PREP

Blank (B6H0427-BLK1) Prepared & Analyzed: 08/05/16

Sulfide <0.027 0.027 mg/L

LCS (B6H0427-BS1) Prepared & Analyzed: 08/05/16

Sulfide **0.466** 0.027 mg/L 0.50 93.2 80-120 25

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Operations Manager

**LABORATORY ANALYSIS RESULTS**

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

AA Project No: A5331901
Date Received: 08/01/16
Date Reported: 08/18/16

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
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General Chemistry Analyses - Quality Control*Batch B6H0427 - NO PREP***LCS Dup (B6H0427-BSD1)**

Prepared & Analyzed: 08/05/16

Sulfide	0.450	0.027	mg/L	0.50	90.0	80-120	3.49	25
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Duplicate (B6H0427-DUP1)**Source: 6H01018-01** Prepared & Analyzed: 08/05/16

Sulfide	<0.027	0.027	mg/L	<0.050				25
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Matrix Spike (B6H0427-MS1)**Source: 6H01018-01** Prepared & Analyzed: 08/05/16

Sulfide	0.505	0.027	mg/L	0.50	<0.050	101	75-125	25
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Matrix Spike Dup (B6H0427-MSD1)**Source: 6H01018-01** Prepared & Analyzed: 08/05/16

Sulfide	0.503	0.027	mg/L	0.50	<0.050	101	75-125	0.397	25
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*Batch B6H0428 - NO PREP***Blank (B6H0428-BLK1)**

Prepared & Analyzed: 08/08/16

HEM (Oil and Grease)	<5.0	5.0	mg/L					
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LCS (B6H0428-BS1)

Prepared & Analyzed: 08/08/16

HEM (Oil and Grease)	36.8	5.0	mg/L	40	92.0	75-125		
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LCS Dup (B6H0428-BSD1)

Prepared & Analyzed: 08/08/16

HEM (Oil and Grease)	34.3	5.0	mg/L	40	85.8	75-125	7.03	30
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*Batch B6H0821 - NO PREP***Blank (B6H0821-BLK1)**

Prepared & Analyzed: 08/05/16

Total Dissolved Solids	<6.2	6.2	mg/L					
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LCS (B6H0821-BS1)

Prepared & Analyzed: 08/05/16

Total Dissolved Solids	52.0	6.2	mg/L	50	104	80-120		
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LCS Dup (B6H0821-BSD1)

Prepared & Analyzed: 08/05/16

Total Dissolved Solids	48.0	6.2	mg/L	50	96.0	80-120	8.00	25
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Duplicate (B6H0821-DUP1)**Source: 6H02013-01** Prepared & Analyzed: 08/05/16

Total Dissolved Solids	770	310	mg/L		835		8.10	20
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*Batch B6H1825 - *** DEFAULT PREP ******Blank (B6H1825-BLK1)**

Prepared: 08/03/16 Analyzed: 08/08/16

Biochemical Oxygen Demand	<5.0	5.0	mg/L					
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LCS (B6H1825-BS1)

Prepared: 08/03/16 Analyzed: 08/08/16

Biochemical Oxygen Demand	198	5.0	mg/L	200	100	80-120		20
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Duplicate (B6H1825-DUP1)**Source: 6H01018-01** Prepared: 08/03/16 Analyzed: 08/08/16

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

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

AA Project No: A5331901
Date Received: 08/01/16
Date Reported: 08/18/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Notes
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General Chemistry Analyses - Quality Control

*Batch B6H1825 - *** DEFAULT PREP ****

Duplicate (B6H1825-DUP1) Continued Source: 6H01018-01 Prepared: 08/03/16 Analyzed: 08/08/16 *

Biochemical Oxygen Demand	<5.0	5.0	mg/L		<5.0			15	
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Batch B6H1826 - NO PREP

Blank (B6H1826-BLK1) Prepared & Analyzed: 08/02/16 *

Methylene Blue Active Substances	<0.050	0.050	mg/L						
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LCS (B6H1826-BS1) Prepared & Analyzed: 08/02/16 *

Methylene Blue Active Substances	0.438	0.050	mg/L	0.50	87.6	75-125		15	
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LCS Dup (B6H1826-BSD1) Prepared & Analyzed: 08/02/16 *

Methylene Blue Active Substances	0.468	0.050	mg/L	0.50	93.6	75-125	6.62	15	
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Batch B6H1827 - NO PREP

Blank (B6H1827-BLK1) Prepared & Analyzed: 08/04/16 *

Phenolics	<0.15	0.15	mg/L						
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LCS (B6H1827-BS1) Prepared & Analyzed: 08/04/16 *

Phenolics	0.438	0.15	mg/L	0.50	87.6	80-120		15	
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LCS Dup (B6H1827-BSD1) Prepared & Analyzed: 08/04/16 *

Phenolics	0.426	0.15	mg/L	0.50	85.2	80-120	2.78	15	
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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						
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Benzene	<0.20	0.20	ug/L						
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tert-Butyl alcohol (TBA)	<7.0	7.0	ug/L						
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Diisopropyl ether (DIPE)	<0.50	0.50	ug/L						
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Ethylbenzene	<0.20	0.20	ug/L						
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Ethyl-tert-Butyl Ether (ETBE)	<0.40	0.40	ug/L						
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Gasoline Range Organics (GRO)	<40	40	ug/L						
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Methyl-tert-Butyl Ether (MTBE)	<0.40	0.40	ug/L						
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Toluene	<0.30	0.30	ug/L						
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o-Xylene	<0.30	0.30	ug/L						
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m,p-Xylenes	<0.40	0.40	ug/L						
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Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

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

AA Project No: A5331901
Date Received: 08/01/16
Date Reported: 08/18/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Notes
TPHG/BTEX/Oxygenates by GC/MS - Quality Control									
<i>Batch B6H0314 - EPA 5030B</i>									
Blank (B6H0314-BLK1) Continued					Prepared & Analyzed: 08/03/16				
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				
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			

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

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

AA Project No: A5331901
Date Received: 08/01/16
Date Reported: 08/18/16

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

Batch B6H0314 - EPA 5030B

Matrix Spike (B6H0314-MS1) Continued Source: 6G29003-20 Prepared & Analyzed: 08/03/16

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

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)										
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)										
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			

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

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

AA Project No: A5331901
Date Received: 08/01/16
Date Reported: 08/18/16

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Total Metals by ICP Atomic Emission Spectroscopy - Quality Control									
<i>Batch B6H0925 - EPA 3010A</i>									
Blank (B6H0925-BLK1)				Prepared: 08/09/16 Analyzed: 08/10/16					
Arsenic	<0.0012	0.0012	mg/L						
Copper	<0.00040	0.00040	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	
Copper	0.184	0.00040	mg/L	0.20		91.9 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	
Copper	0.199	0.00040	mg/L	0.20		99.6 80-120	8.02	20	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331901
Date Received: 08/01/16
Date Reported: 08/18/16

Special Notes

[1] = * : Subcontracted to a DOHS State-Certified Laboratory

Viorel Vasile
Operations Manager



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American Analytics
9765 Eton Avenue
Chatsworth, CA 91311-4306

Number of Pages 7

Date Received 08/02/2016

Date Reported 08/13/2016

Telephone: (818) 998-5547
Attention: Viorel Vasile

Job Number	Order Date	Client
83779	08/02/2016	AA

Project ID: A5331901/6H01018
Project Name: PO# SUB03232-A5331901

Enclosed please find results of analyses of 1 water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



9765 ETON AVE., CHATSWORTH, CA 91311

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

A.A. COC No.:

Page 70046853 of

83779

Client:	AMERICAN ANALYTICS	Project Name / No.:	AS331901 / 64101018	Sampler's Name:	
Project Manager:	Miguel Jorjbe	Site Address:		Sampler's Signature:	
Phone:		City:		P.O. No.:	50803232-AS331901
Fax:		State & Zip:		Quote No.:	

TAT Turnaround Codes ***

ANALYSIS REQUESTED (Test Name)

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)

[illegible]

A.A. Project No.:

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.



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Page: 1 A

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Project ID: A5331901/6H01018

Date Received 08/02/2016

Date Reported 08/13/2016

Telephone: (818) 998-5547

Attention: Viorel Vasile

Job Number

83779

Order Date

08/02/2016

Client

AA

CERTIFICATE OF ANALYSIS

CASE NARRATIVE

AETL received 1 samples with the following specification on 08/02/2016.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
83779.01	6H01018-01	08/01/2016	Aqueous	2		
Method ^	Submethod	Req Date	Priority	TAT	Units	
420.1		08/09/2016	2	Normal	mg/L	
SM-5540C		08/09/2016	2	Normal	mg/L	
SM5210B		08/09/2016	2	Normal	mg/L	

The samples were analyzed as specified on the enclosed chain of custody.
No analytical non-conformances were encountered.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

Ordered By

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Telephone: (818)998-5547

Attn: Viorel Vasile

Page: **2**

Project ID: **A5331901/6H01018**

Project Name: **PO# SUB03232-A5331901**

AETL Job Number	Submitted	Client
83779	08/02/2016	AA

Method: 420.1, Phenolics, Total Recoverable, Spectrophotometric, Manual

QC Batch No: 080416-1

Our Lab I.D.		Method Blank	83779.01			
Client Sample I.D.			6H01018-01			
Date Sampled			08/01/2016			
Date Prepared		08/04/2016	08/04/2016			
Preparation Method		420.1	420.1			
Date Analyzed		08/04/2016	08/04/2016			
Matrix		Aqueous	Aqueous			
Units		mg/L	mg/L			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Phenolic compounds as phenol	0.15	0.30	ND	ND		



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ANALYTICAL RESULTS

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Page: 3

Project ID: A5331901/6H01018

Project Name: PO# SUB03232-A5331901

AETL Job Number	Submitted	Client
83779	08/02/2016	AA

Method: SM-5540C, Methylene Blue Active Substances (MBAS)

QC Batch No: 080216-1

Our Lab I.D.		Method Blank	83779.01			
Client Sample I.D.			6H01018-01			
Date Sampled			08/01/2016			
Date Prepared		08/02/2016	08/02/2016			
Preparation Method		SM5540C	SM5540C			
Date Analyzed		08/02/2016	08/02/2016			
Matrix		Aqueous	Aqueous			
Units		mg/L	mg/L			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Surfactants (MBAS)	0.05	0.05	ND	ND		



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ANALYTICAL RESULTS

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Page: **4**

Project ID: **A5331901/6H01018**

Project Name: **PO# SUB03232-A5331901**

AETL Job Number	Submitted	Client
83779	08/02/2016	AA

Method: SM5210B, Biochemical Oxygen Demand 5 days, @ 20C (Standard Methods)

QC Batch No: 080316-1

Our Lab I.D.		Method Blank	83779.01			
Client Sample I.D.			6H01018-01			
Date Sampled			08/01/2016			
Date Prepared		08/03/2016	08/03/2016			
Preparation Method		SM5210B	SM5210B			
Date Analyzed		08/08/2016	08/08/2016			
Matrix		Aqueous	Aqueous			
Units		mg/L	mg/L			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Biochemical Oxygen Demand (BOD)	5.0	5.0	ND	ND		



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QUALITY CONTROL RESULTS

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Telephone: (818)998-5547

Attn: Viorel Vasile

Page: 5

Project ID: A5331901/6H01018

Project Name: PO# SUB03232-A5331901

AETL Job Number	Submitted	Client
83779	08/02/2016	AA

Method: 420.1, Phenolics, Total Recoverable, Spectrophotometric, Manual

QC Batch No: 080416-1; Dup or Spiked Sample: 83763.03; LCS: Clean Water; QC Prepared: 08/04/2016; QC Analyzed: 08/04/2016;

Units: mg/L

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Phenol	0.500	0.435	87.0	0.500	0.442	88.4	1.6	80-120	<15	

QC Batch No: 080416-1; Dup or Spiked Sample: 83763.03; LCS: Clean Water; QC Prepared: 08/04/2016; QC Analyzed: 08/04/2016;

Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Phenol	0.500	0.438	87.6	0.500	0.426	85.2	2.8	80-120	<20	



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QUALITY CONTROL RESULTS

Ordered By

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Telephone: (818)998-5547

Attn: Viorel Vasile

Page: 6

Project ID: A5331901/6H01018

Project Name: PO# SUB03232-A5331901

AETL Job Number	Submitted	Client
83779	08/02/2016	AA

Method: SM-5540C, Methylene Blue Active Substances (MBAS)

QC Batch No: 080216-1; Dup or Spiked Sample: 83752.03; LCS: Clean Water; QC Prepared: 08/02/2016; QC Analyzed: 08/02/2016;
Units: mg/L

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Surfactants (MBAS)	0.500	0.468	93.5	0.500	0.472	94.4	<1	80-120	<15	

QC Batch No: 080216-1; Dup or Spiked Sample: 83752.03; LCS: Clean Water; QC Prepared: 08/02/2016; QC Analyzed: 08/02/2016;
Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Surfactants (MBAS)	0.500	0.438	87.5	0.500	0.468	93.5	6.6	80-120	<15	



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QUALITY CONTROL RESULTS

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Attn: Viorel Vasile

Page: **7**

Project ID: **A5331901/6H01018**

Project Name: **PO# SUB03232-A5331901**

AETL Job Number	Submitted	Client
83779	08/02/2016	AA

Method: SM5210B, Biochemical Oxygen Demand 5 days, @ 20C (Standard Methods)

QC Batch No: 080316-1; Dup or Spiked Sample: 83779.01; LCS: Clean Water; LCS Prepared: 08/03/2016; LCS Analyzed: 08/08/2016;

Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit		
Biochemical Oxygen Demand (BOD)	ND	ND	<1	<15	198	179	90.5	80-120		



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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference



9765 ETON AVE., CHATSWORTH, CA 91311

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

Client: The Source Group, Inc.

Project Name / No.:	DFSP - Norwalk / 04-SDLA / Quarterly NPDES	Sampler's Name:

Glenn Anderson

Project Manager: Neil Irish

Site Address: 15306 Norwalk Blvd

Sampler's Signature:

Phone: 562-597-1055

City: Norwalk

P.O. No.:

569-597-1070

State & Zip: CA 90650

Quote No.:

TAT Turnaround Codes ^{**}

ANALYSIS REQUESTED (Test Name)

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

[illegible]

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



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

A5331929 / 6I01011

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: A5331929
Date Received: 09/01/16
Date Reported: 09/13/16

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

Effluent	6I01011-01	Water	5	09/01/16 07:29	09/01/16 14:31
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Arsenic Total EPA 200.7

Effluent	6I01011-01	Water	5	09/01/16 07:29	09/01/16 14:31
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Diesel Range Organics 8015M

Effluent	6I01011-01	Water	5	09/01/16 07:29	09/01/16 14:31
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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: A5331929
Date Received: 09/01/16
Date Reported: 09/13/16
Units: ug/L

Date Sampled:	09/01/16		
Date Prepared:	09/07/16		
Date Analyzed:	09/07/16		
AA ID No:	6I01011-01		
Client ID No:	Effluent		
Matrix:	Water		
Dilution Factor:	1	MDL	MRL

8260B TPHGASOLINEBTEXOXY (EPA 8260B)

tert-Butyl alcohol (TBA)	<7.0	7.0	10
Gasoline Range Organics (GRO)	<40	40	100
Methyl-tert-Butyl Ether (MTBE)	<0.40	0.40	2.0

Surrogates

		<u>%REC Limits</u>
4-Bromofluorobenzene	111%	70-140
Dibromofluoromethane	117%	70-140
Toluene-d8	103%	70-140

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

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

AA Project No: A5331929
Date Received: 09/01/16
Date Reported: 09/13/16
Units: ug/L

Date Sampled:	09/01/16		
Date Prepared:	09/01/16		
Date Analyzed:	09/02/16		
AA ID No:	6I01011-01		
Client ID No:	Effluent		
Matrix:	Water		
Dilution Factor:	1	MDL	MRL

Diesel Range Organics 8015M (EPA 8015M)

Diesel Range Organics as Diesel	<60	60	100
---------------------------------	-----	----	-----

Surrogates

o-Terphenyl	96%	<u>%REC Limits</u>
		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: A5331929
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
<u>Arsenic Total EPA 200.7 (EPA 200.7)</u>									
6I01011-01	Effluent	09/01/16	09/06/16	09/07/16	1	<0.0060	mg/L	0.006	0.007

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

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

AA Project No: A5331929
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
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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: A5331929
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										
<i>Batch B6I0726 - EPA 5030B</i>										
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			QM-07
Benzene	22.6	0.20	ug/L	20		113	70-130			
tert-Butyl alcohol (TBA)	136	7.0	ug/L	100		136	70-130			
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	QM-07
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	
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: A5331929
Date Received: 09/01/16
Date Reported: 09/13/16

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Notes
Diesel Range Organics by GC/FID - Quality Control									
<i>Batch B6I0115 - EPA 3510C</i>									
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									
<i>Batch B6I0628 - EPA 200.7</i>									
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	<0.0070	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	<0.0070	119 75-125	12.0	20	

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: A5331929
Date Received: 09/01/16
Date Reported: 09/13/16

Special Notes

[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



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/ Monthly NPDES

er's Name:

Glenn Androsko

Project Manager: Neil Irish

Site Address: 15306 Norwalk Blvd

Sampler's Signature:

Phone: 562-597-1055

City: Norwalk

P.O. No.:

Fax: 569-597-1070

State & Zip: CA 90650

Quote No.:

TAT Turnaround Codes **

[illegible]

① = Same Day Rush

④ = 72 Hour Rush

② = 24 Hour Rush

⑤ = 5 Day Rush

③ = 48 Hour Rush

X = 10 Working Days (Standard TAT)

[illegible]

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

APPENDIX B
Laboratory ELAP Certification



STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE



ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

American Analytics Inc.

Stationary Laboratory

9765 Eton Avenue

Chatsworth, CA 91311

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection,
proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1471**

Expiration Date: **3/31/2017**

Effective Date: **4/1/2015**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

APPENDIX C
Report Certification



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

October 6, 2016

Mr. Gensen Kai
California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

Dear Mr. Kai:

In reference to General National Pollutant Discharge Elimination System (NPDES) Permit (NPDES No. CAG994004) CFN# CI-7585, please accept this letter as DLA's certification of the Groundwater Discharge Monitoring Report – Quarter 3 of calendar year 2016 for the Defense Fuel Support Point (DFSP) Norwalk facility in Norwalk, California.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties submitting false information, including the possibility of a fine and imprisonment for knowing violations.

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

Sincerely,

Digitally signed by
POTTER.WILLIAM.Y.1394566272
Date: 2016.10.11 08:15:14 -04'00'

William Y. Potter
Chief, Restoration Branch

Enclosure
As stated

cc:
CRWQB Information Technology Unit
Carol Devier-Heeney, DLA
Mike Wood, P.E., Senior Engineer, The Source Group, Inc.