



October 13, 2017

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, 2017  
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 Operations Energy (DLA), 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, 2017 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 516,961 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 0.3 pounds (Table 2c) during Quarter 3, 2017.

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.

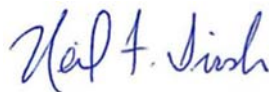
### **REPORT CERTIFICATION**

The DLA report certification is provided in Appendix C.

Sincerely,



Michael Wood, P.E.  
Senior Engineer



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

*Groundwater Discharge Monitoring Report Quarter 3, 2017*

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Attachments:

Table 1 – Summary of Effluent Groundwater Analytical Sampling Results - 3<sup>rd</sup> Quarter 2017  
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  
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Ms. Mary Jane McIntosh, RAB Community Member  
Ms. Tracy Winkler, RAB Community Member

## **TABLES**

**TABLE 1**  
**Summary of Effluent Groundwater Analytical Sampling Results - 3rd Quarter 2017**  
 DFSP, Norwalk  
 15306 Norwalk Blvd., Norwalk, CA

Sampling Frequency			Monthly							Quarterly										Annually		
Laboratory Analysis Methods			--	SM 4500 H+B	--	EPA 8015B (M)	EPA 8260B	EPA 8260B	EPA 6020	SM 5520 B	EPA 6020	SM 2130 B	SM 4500 S2-D	SM 4500-CI F	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 <sup>A</sup>	Temp-erature	TPH	MTBE	TBA	Arsenic	Oil & Grease	Copper	Turbidity	Sulfides	Residual Chlorine	Total Dissolved Solids	Total Suspended Solids	Settleable Solids	MBAS	Phenols	BOD <sub>5</sub> 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)	(% Survival)
07/19/17	1	GW-2, GW-15, GW-16	5.8	7.31	22.4	<b>77 J</b>	<0.40	<7.0	<6.0	--	--	--	--	--	--	--	--	--	--	--	--	--
08/02/17		GW-2, GW-15, GW-16	4.5	7.39	24.7	<100	<0.40	<7.0	<6.0	<5.0	<2.0	<0.17	<0.027	<0.1 <sup>B</sup>	<b>1,400</b>	<5.0	<0.1	<0.05	<0.15	<5.0	--	--
09/13/17		GW-2, GW-15, GW-16	5.5	7.32	24.8	<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 measured or analyzed

J = Laboratory estimated value since analyte detected below Method Reporting Limit (MRL) but above MDL.

A = Measured in the field using an Oakton® pH Tester Model 30.

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

1 = GWETS off-line from July 3-17, 2017 pending the completion of media vessel repair and change out work.

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

**Cumulative Groundwater Discharged by the GWETS to Date (gallons)**

Period	July	Quarter 1, 2017	Quarter 2, 2017	Quarter 3, 2017	Quarter 4, 2017	2017 to Date	April 1996 to Date
Volume	122,112	467,663	487,446	122,112	--	1,077,221	76,921,468

**Cumulative Mass DRO Removed by the GWETS<sup>A</sup> (lb)**

Period	July	Quarter 3 to Date	April 1996 to Date
Mass	0.07	0.07	9,944.8

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

**Legend / Notes:**

- 1 = GWETS manually shutdown for media vessel repair and change out work.
- 2 = GWETS restarted following completion of media vessel repair and change out work.
- 3 = Pumps in wells GW-15 and GW-16 brought back online following completion of maintenance work (off-line since 6/27/17).
- 4 = Collected monthly influent, intermediate, and effluent samples for laboratory analysis.

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

A = Hydrocarbon removal is calculated using analytical laboratory result for DRO (if not detected, half the detection limit is used) from sample collected on: 07/19/17 (laboratory report attached).

-- = Not applicable

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

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

**Cumulative Groundwater Discharged by the GWETS (gallons)**

Period	August	Quarter 1, 2017	Quarter 2, 2017	Quarter 3, 2017	Quarter 4, 2017	2017 to Date	April 1996 to Date
<b>Volume</b>	246,477	467,663	487,446	368,589	--	1,323,698	77,167,945

**Cumulative Mass DRO Removed by the GWETS <sup>A</sup> (lb)**

Period	August	Quarter 3 to Date	April 1996 to Date
<b>Mass</b>	0.16	0.24	9,944.9

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

**Legend / Notes:**

- 1 = Collected monthly process and intermediate samples for laboratory analysis.
- 2 = Collected quarterly effluent samples for laboratory analysis.
- 3 = Measured residual chlorine in the field using HACH Test Kit Model CN-70.
- 4 = Pumps in well GW-16 manually shut down for repair work.
- 5 = Pump in well GW-15 manually shut down for repair work.

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

A = Hydrocarbon removal is calculated using analytical laboratory result for DRO (if not detected, half the detection limit is used)  
 from sample collected on: 08/02/17 (laboratory report attached).

-- = Not applicable

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

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

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

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

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

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

**Legend / Notes:**

- 1 = Pump in well GW-16 brought back online with new totalizer following completion of maintenance work (off-line since 8/17/17).
- 2 = Pump in well GW-15 brought back online with new totalizer following completion of maintenance work (off-line since 8/30/17).
- 3 = Collected monthly influent, intermediate, and effluent samples for laboratory analysis.
- 4 = GWETS manually shut down in advance of groundwater monitoring and sampling activities.

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

A = Hydrocarbon removal is calculated using analytical laboratory results for DRO (if not detected, half the detection limit is used) from sample collected on: 09/13/17 (laboratory report attached).

-- = Not applicable

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

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



**APPENDIX A**  
Laboratory Analytical Reports and Chain-of-Custody Documents



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

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July 31, 2017

Neil Irish

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

**Re : DFSP Norwalk GWETS NPDES Monthly / 04-NDLA-013  
A5332253 / 7G19023**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 07/19/17 12:42 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile  
Operations Manager

**LABORATORY ANALYSIS RESULTS**

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

**AA Project No:** A5332253  
**Date Received:** 07/19/17  
**Date Reported:** 07/31/17

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

Effluent	7G19023-01	Water	5	07/19/17 09:41	07/19/17 12:42
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**Arsenic Total EPA 200.7**

Effluent	7G19023-01	Water	5	07/19/17 09:41	07/19/17 12:42
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**Diesel Range Organics 8015M**

Effluent	7G19023-01	Water	5	07/19/17 09:41	07/19/17 12:42
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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:** A5332253  
**Date Received:** 07/19/17  
**Date Reported:** 07/31/17  
**Units:** ug/L

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<b>Date Sampled:</b>	07/19/17		
<b>Date Prepared:</b>	07/21/17		
<b>Date Analyzed:</b>	07/21/17		
<b>AA ID No:</b>	7G19023-01		
<b>Client ID No:</b>	Effluent		
<b>Matrix:</b>	Water		
<b>Dilution Factor:</b>	1	MDL	MRL

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**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

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**Surrogates**

		<b><u>%REC Limits</u></b>	
4-Bromofluorobenzene	101%	70-140	
Dibromofluoromethane	101%	70-140	
Toluene-d8	98%	70-140	

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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:** Diesel Range Organics by GC/FID

**AA Project No:** A5332253  
**Date Received:** 07/19/17  
**Date Reported:** 07/31/17  
**Units:** ug/L

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<b>Date Sampled:</b>	07/19/17		
<b>Date Prepared:</b>	07/20/17		
<b>Date Analyzed:</b>	07/21/17		
<b>AA ID No:</b>	7G19023-01		
<b>Client ID No:</b>	Effluent		
<b>Matrix:</b>	Water		
<b>Dilution Factor:</b>	1	MDL	MRL

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**Diesel Range Organics 8015M (EPA 8015M)**

Diesel Range Organics as Diesel	<b>77 J</b>	60	100
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**Surrogates**

o-Terphenyl	97%	<b><u>%REC Limits</u></b>	50-150
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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:** Total Metals by ICP Atomic Emission Spectroscopy

**AA Project No:** A5332253  
**Date Received:** 07/19/17  
**Date Reported:** 07/31/17

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
<b><u>Arsenic Total EPA 200.7 (EPA 200.7)</u></b>									
7G19023-01	Effluent	07/19/17	07/20/17	07/21/17	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:** A5332253  
**Date Received:** 07/19/17  
**Date Reported:** 07/31/17

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

Batch B7G2103 - EPA 5030B

**Blank (B7G2103-BLK1)**

Prepared & Analyzed: 07/21/17

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

Surrogate: 4-Bromofluorobenzene	46.8		ug/L	50		93.6	70-140			
Surrogate: Dibromofluoromethane	48.7		ug/L	50		97.4	70-140			
Surrogate: Toluene-d8	48.2		ug/L	50		96.4	70-140			

**LCS (B7G2103-BS1)**

Prepared & Analyzed: 07/21/17

tert-Amyl Methyl Ether (TAME)	17.6	0.30	ug/L	20		88.2	70-130			
Benzene	21.8	0.20	ug/L	20		109	75-125			
tert-Butyl alcohol (TBA)	81.1	7.0	ug/L	100		81.1	70-130			
Diisopropyl ether (DIPE)	17.6	0.50	ug/L	20		88.2	70-130			
Ethylbenzene	20.0	0.20	ug/L	20		99.8	75-125			
Ethyl-tert-Butyl Ether (ETBE)	17.6	0.40	ug/L	20		88.0	70-130			
Gasoline Range Organics (GRO)	559	40	ug/L	500		112	70-130			
Methyl-tert-Butyl Ether (MTBE)	34.7	0.40	ug/L	40		86.7	70-135			
Toluene	22.8	0.30	ug/L	20		114	75-125			
o-Xylene	20.1	0.30	ug/L	20		101	75-125			
m,p-Xylenes	43.6	0.40	ug/L	40		109	70-130			

Surrogate: 4-Bromofluorobenzene	47.1		ug/L	50		94.3	70-140			
Surrogate: Dibromofluoromethane	46.0		ug/L	50		92.1	70-140			
Surrogate: Toluene-d8	51.4		ug/L	50		103	70-140			

**Matrix Spike (B7G2103-MS1)**

Source: 7G20011-01 Prepared & Analyzed: 07/21/17

**Viorel Vasile**  
 Operations Manager



LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332253
Date Received: 07/19/17
Date Reported: 07/31/17

Table with columns: Analyte, Reporting Result, Reporting Limit, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Notes

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

Batch B7G2103 - EPA 5030B

Matrix Spike (B7G2103-MS1) Continued Source: 7G20011-01 Prepared & Analyzed: 07/21/17

Table listing analytes like tert-Amyl Methyl Ether (TAME), Benzene, tert-Butyl alcohol (TBA) with their respective results and limits.

Table listing surrogate analytes: 4-Bromofluorobenzene, Dibromofluoromethane, Toluene-d8 with their results and limits.

Matrix Spike Dup (B7G2103-MSD1) Source: 7G20011-01 Prepared & Analyzed: 07/21/17

Table listing analytes like tert-Amyl Methyl Ether (TAME), Benzene, tert-Butyl alcohol (TBA) with their respective results and limits.

Table listing surrogate analytes: 4-Bromofluorobenzene, Dibromofluoromethane, Toluene-d8 with their results and limits.

Diesel Range Organics by GC/FID - Quality Control

Batch B7G2026 - EPA 3510C

Blank (B7G2026-BLK1)

Prepared: 07/20/17 Analyzed: 07/21/17

Handwritten signature

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:** A5332253  
**Date Received:** 07/19/17  
**Date Reported:** 07/31/17

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Notes
<b>Diesel Range Organics by GC/FID - Quality Control</b>									
<i>Batch B7G2026 - EPA 3510C</i>									
<b>Blank (B7G2026-BLK1) Continued</b>				Prepared: 07/20/17 Analyzed: 07/21/17					
Diesel Range Organics as Diesel	<60	60	ug/L						
Surrogate: o-Terphenyl	42.5		ug/L	40		106 50-150			
<b>LCS (B7G2026-BS1)</b>				Prepared: 07/20/17 Analyzed: 07/21/17					
Diesel Range Organics as Diesel	<b>767</b>	60	ug/L	800		95.8 75-125		30	
Surrogate: o-Terphenyl	50.9		ug/L	40		127 50-150			
<b>LCS Dup (B7G2026-BSD1)</b>				Prepared: 07/20/17 Analyzed: 07/21/17					
Diesel Range Organics as Diesel	<b>773</b>	60	ug/L	800		96.7 75-125	0.890	30	
Surrogate: o-Terphenyl	53.6		ug/L	40		134 50-150			
<b>Total Metals by ICP Atomic Emission Spectroscopy - Quality Control</b>									
<i>Batch B7G2040 - EPA 200.7</i>									
<b>Blank (B7G2040-BLK1)</b>				Prepared: 07/20/17 Analyzed: 07/21/17					
Arsenic	<0.0060	0.0060	mg/L						
<b>LCS (B7G2040-BS1)</b>				Prepared: 07/20/17 Analyzed: 07/21/17					
Arsenic	<b>1.08</b>	0.0060	mg/L	1.0		108 80-120		20	
<b>LCS Dup (B7G2040-BSD1)</b>				Prepared: 07/20/17 Analyzed: 07/21/17					
Arsenic	<b>1.05</b>	0.0060	mg/L	1.0		105 80-120	1.97	20	
<b>Duplicate (B7G2040-DUP1)</b>				Source: 7G19023-01 Prepared: 07/20/17 Analyzed: 07/21/17					
Arsenic	<b>&lt;0.0060</b>	0.0060	mg/L		<0.0070			30	
<b>Matrix Spike (B7G2040-MS1)</b>				Source: 7G19024-05 Prepared: 07/20/17 Analyzed: 07/21/17					
Arsenic	<b>1.04</b>	0.0060	mg/L	1.0	0.0234	101 75-125		20	
<b>Matrix Spike Dup (B7G2040-MSD1)</b>				Source: 7G19024-05 Prepared: 07/20/17 Analyzed: 07/21/17					
Arsenic	<b>1.04</b>	0.0060	mg/L	1.0	0.0234	101 75-125	0.00	20	

**Viorel Vasile**  
 Operations Manager



## LABORATORY ANALYSIS RESULTS

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

**AA Project No:** A5332253  
**Date Received:** 07/19/17  
**Date Reported:** 07/31/17

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### Special Notes

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

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**Viorel Vasile**  
Operations Manager





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

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August 21, 2017

Neil Irish

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

**Re : DFSP Norwalk GWETS NPDES Quarterly / 04-NDLA-013  
A5332269 / 7H02015**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 08/02/17 14:55 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile  
Operations Manager

**LABORATORY ANALYSIS RESULTS**

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

**AA Project No:** A5332269  
**Date Received:** 08/02/17  
**Date Reported:** 08/21/17

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

Effluent	7H02015-01	Water	5	08/02/17 09:30	08/02/17 14:55
Effluent-Dup	7H02015-02	Water	5	08/02/17 09:33	08/02/17 14:55

**Arsenic Total EPA 200.7**

Effluent	7H02015-01	Water	5	08/02/17 09:30	08/02/17 14:55
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**BOD SM5210B**

Effluent	7H02015-01	Water	5	08/02/17 09:30	08/02/17 14:55
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**Copper Total EPA 200.7**

Effluent	7H02015-01	Water	5	08/02/17 09:30	08/02/17 14:55
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**Diesel Range Organics 8015M**

Effluent	7H02015-01	Water	5	08/02/17 09:30	08/02/17 14:55
Effluent-Dup	7H02015-02	Water	5	08/02/17 09:33	08/02/17 14:55

**HEM Oil and Grease 1664**

Effluent	7H02015-01	Water	5	08/02/17 09:30	08/02/17 14:55
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**MBAS SM5540C**

Effluent	7H02015-01	Water	5	08/02/17 09:30	08/02/17 14:55
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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:** A5332269  
**Date Received:** 08/02/17  
**Date Reported:** 08/21/17

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
<b><u>Phenols 420.1</u></b>					
Effluent	7H02015-01	Water	5	08/02/17 09:30	08/02/17 14:55
<b><u>SS SM2540F</u></b>					
Effluent	7H02015-01	Water	5	08/02/17 09:30	08/02/17 14:55
<b><u>Sulfide SM4500-S=D</u></b>					
Effluent	7H02015-01	Water	5	08/02/17 09:30	08/02/17 14:55
<b><u>TDS SM2540C</u></b>					
Effluent	7H02015-01	Water	5	08/02/17 09:30	08/02/17 14:55
<b><u>TSS SM2540D</u></b>					
Effluent	7H02015-01	Water	5	08/02/17 09:30	08/02/17 14:55
<b><u>Turbidity 180.1</u></b>					
Effluent	7H02015-01	Water	5	08/02/17 09:30	08/02/17 14:55

**Viorel Vasile**  
Operations Manager

**LABORATORY ANALYSIS RESULTS**

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

**AA Project No:** A5332269  
**Date Received:** 08/02/17  
**Date Reported:** 08/21/17

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
<b><u>BOD SM5210B (SM5210B) *</u></b>									
7H02015-01	Effluent	08/02/17	08/04/17	08/09/17	1	<5.0	mg/L	5	5
<b><u>HEM Oil and Grease 1664 (EPA 1664) *</u></b>									
7H02015-01	Effluent	08/02/17	08/04/17	08/07/17	1	<5.0	mg/L	5	10
<b><u>MBAS SM5540C (SM5540C) *</u></b>									
7H02015-01	Effluent	08/02/17	08/03/17	08/03/17	1	<0.050	mg/L	0.05	0.05
<b><u>Phenols 420.1 (EPA 420.1) *</u></b>									
7H02015-01	Effluent	08/02/17	08/04/17	08/04/17	1	<0.15	mg/L	0.15	0.3
<b><u>SS SM2540F (SM2540F)</u></b>									
7H02015-01	Effluent	08/02/17	08/02/17	08/02/17	1	<0.100	mL/L	0.1	0.1
<b><u>Sulfide SM4500-S=D (SM4500-S=D) *</u></b>									
7H02015-01	Effluent	08/02/17	08/02/17	08/02/17	1	<0.027	mg/L	0.027	0.05
<b><u>TDS SM2540C (SM2540C) *</u></b>									
7H02015-01	Effluent	08/02/17	08/03/17	08/04/17	1	<b>1400</b>	mg/L	6.2	10
<b><u>TSS SM2540D (SM2540D) *</u></b>									
7H02015-01	Effluent	08/02/17	08/04/17	08/04/17	1	<5.0	mg/L	5	10
<b><u>Turbidity 180.1 (EPA 180.1) *</u></b>									
7H02015-01	Effluent	08/02/17	08/02/17	08/02/17	1	<0.17	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:** A5332269  
**Date Received:** 08/02/17  
**Date Reported:** 08/21/17  
**Units:** ug/L

<b>Date Sampled:</b>	08/02/17	08/02/17		
<b>Date Prepared:</b>	08/04/17	08/04/17		
<b>Date Analyzed:</b>	08/04/17	08/04/17		
<b>AA ID No:</b>	7H02015-01	7H02015-02		
<b>Client ID No:</b>	Effluent	Effluent-Dup		
<b>Matrix:</b>	Water	Water		
<b>Dilution Factor:</b>	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**

			<b>%REC Limits</b>
4-Bromofluorobenzene	106%	105%	70-140
Dibromofluoromethane	114%	113%	70-140
Toluene-d8	99%	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 Quarterly  
**Method:** Diesel Range Organics by GC/FID

**AA Project No:** A5332269  
**Date Received:** 08/02/17  
**Date Reported:** 08/21/17  
**Units:** ug/L

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<b>Date Sampled:</b>	08/02/17	08/02/17		
<b>Date Prepared:</b>	08/09/17	08/09/17		
<b>Date Analyzed:</b>	08/09/17	08/09/17		
<b>AA ID No:</b>	7H02015-01	7H02015-02		
<b>Client ID No:</b>	Effluent	Effluent-Dup		
<b>Matrix:</b>	Water	Water		
<b>Dilution Factor:</b>	1	1	MDL	MRL

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**Diesel Range Organics 8015M (EPA 8015M)**

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

o-Terphenyl	143%	137%	<b><u>%REC Limits</u></b>	50-150
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**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:** A5332269  
**Date Received:** 08/02/17  
**Date Reported:** 08/21/17

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
<b><u>Arsenic Total EPA 200.7 (EPA 200.7)</u></b>									
7H02015-01	Effluent	08/02/17	08/07/17	08/08/17	1	<0.0060	mg/L	0.006	0.007
<b><u>Copper Total EPA 200.7 (EPA 200.7)</u></b>									
7H02015-01	Effluent	08/02/17	08/07/17	08/08/17	1	<0.0020	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:** A5332269  
**Date Received:** 08/02/17  
**Date Reported:** 08/21/17

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
<b>General Chemistry Analyses - Quality Control</b>									
<i>Batch B7H0317 - NO PREP</i>									
<b>Blank (B7H0317-BLK1)</b>	Prepared & Analyzed: 08/02/17								
Total Settleable Solids	<0.100	0.100	mL/L						
<i>Batch B7H2117 - NO PREP</i>									
<b>Blank (B7H2117-BLK1)</b>	Prepared: 08/04/17 Analyzed: 08/07/17								
HEM (Oil and Grease)	<5.0	5.0	mg/L						*
<b>LCS (B7H2117-BS1)</b>	Prepared: 08/04/17 Analyzed: 08/07/17								
HEM (Oil and Grease)	<b>36.7</b>	5.0	mg/L	40	91.8	75-125			*
<b>LCS Dup (B7H2117-BSD1)</b>	Prepared: 08/04/17 Analyzed: 08/07/17								
HEM (Oil and Grease)	<b>37.3</b>	5.0	mg/L	40	93.2	75-125	1.62	30	*
<i>Batch B7H2118 - NO PREP</i>									
<b>Blank (B7H2118-BLK1)</b>	Prepared & Analyzed: 08/02/17								
Turbidity	<0.17	0.17	NTU						*
<b>Duplicate (B7H2118-DUP1)</b>	Source: 7H02015-01 Prepared & Analyzed: 08/02/17								
Turbidity	<b>&lt;0.17</b>	0.17	NTU		<1.0			15	*
<i>Batch B7H2119 - NO PREP</i>									
<b>Blank (B7H2119-BLK1)</b>	Prepared & Analyzed: 08/04/17								
Phenolics	<0.15	0.15	mg/L						*
<b>LCS (B7H2119-BS1)</b>	Prepared & Analyzed: 08/04/17								
Phenolics	<b>0.456</b>	0.15	mg/L	0.50	91.2	80-120		15	*
<b>LCS Dup (B7H2119-BSD1)</b>	Prepared & Analyzed: 08/04/17								
Phenolics	<b>0.432</b>	0.15	mg/L	0.50	86.4	80-120	5.41	15	*
<b>Matrix Spike (B7H2119-MS1)</b>	Source: 7H02015-01 Prepared & Analyzed: 08/04/17								
Phenolics	<b>0.466</b>	0.15	mg/L	0.50	<0.30	93.2	80-120	15	*
<b>Matrix Spike Dup (B7H2119-MSD1)</b>	Source: 7H02015-01 Prepared & Analyzed: 08/04/17								
Phenolics	<b>0.452</b>	0.15	mg/L	0.50	<0.30	90.4	80-120	3.05	15
<i>Batch B7H2125 - NO PREP</i>									
<b>Blank (B7H2125-BLK1)</b>	Prepared & Analyzed: 08/04/17								
Total Suspended Solids	<5.0	5.0	mg/L						*
<b>LCS (B7H2125-BS1)</b>	Prepared & Analyzed: 08/04/17								
Total Suspended Solids	<b>93.0</b>	5.0	mg/L	100	93.0	80-120			*

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**LABORATORY ANALYSIS RESULTS**

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

**AA Project No:** A5332269  
**Date Received:** 08/02/17  
**Date Reported:** 08/21/17

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
<b>General Chemistry Analyses - Quality Control</b>									
<i>Batch B7H2126 - NO PREP</i>									
<b>Blank (B7H2126-BLK1)</b>				Prepared: 08/03/17 Analyzed: 08/04/17					*
Total Dissolved Solids	<6.2	6.2	mg/L						
<b>LCS (B7H2126-BS1)</b>				Prepared: 08/03/17 Analyzed: 08/04/17					*
Total Dissolved Solids	<b>96.0</b>	6.2	mg/L	100	96.0	80-120			
<i>Batch B7H2127 - NO PREP</i>									
<b>Blank (B7H2127-BLK1)</b>				Prepared & Analyzed: 08/02/17					*
Sulfide	<0.027	0.027	mg/L						*
<b>LCS (B7H2127-BS1)</b>				Prepared & Analyzed: 08/02/17					*
Sulfide	<b>0.176</b>	0.027	mg/L	0.20	88.0	80-120	25		*
<b>LCS Dup (B7H2127-BSD1)</b>				Prepared & Analyzed: 08/02/17					*
Sulfide	<b>0.172</b>	0.027	mg/L	0.20	86.0	80-120	2.30	25	*
<b>Duplicate (B7H2127-DUP1)</b>				<b>Source: 7H02015-01</b> Prepared & Analyzed: 08/02/17					*
Sulfide	<b>&lt;0.027</b>	0.027	mg/L	<0.050				25	*
<i>Batch B7H2128 - NO PREP</i>									
<b>Blank (B7H2128-BLK1)</b>				Prepared & Analyzed: 08/03/17					*
Methylene Blue Active Substances	<0.050	0.050	mg/L						*
<b>LCS (B7H2128-BS1)</b>				Prepared & Analyzed: 08/03/17					*
Methylene Blue Active Substances	<b>0.462</b>	0.050	mg/L	0.50	92.4	75-125	15		*
<b>LCS Dup (B7H2128-BSD1)</b>				Prepared & Analyzed: 08/03/17					*
Methylene Blue Active Substances	<b>0.458</b>	0.050	mg/L	0.50	91.6	75-125	0.870	15	*
<b>Matrix Spike (B7H2128-MS1)</b>				<b>Source: 7H02015-01</b> Prepared & Analyzed: 08/03/17					*
Methylene Blue Active Substances	<b>0.476</b>	0.050	mg/L	0.50	<0.050	95.2	75-125	15	*
<b>Matrix Spike Dup (B7H2128-MSD1)</b>				<b>Source: 7H02015-01</b> Prepared & Analyzed: 08/03/17					*
Methylene Blue Active Substances	<b>0.449</b>	0.050	mg/L	0.50	<0.050	89.8	75-125	5.84	15
<i>Batch B7H2130 - *** DEFAULT PREP ***</i>									
<b>Blank (B7H2130-BLK1)</b>				Prepared: 08/04/17 Analyzed: 08/09/17					*
Biochemical Oxygen Demand	<5.0	5.0	mg/L						
<b>LCS (B7H2130-BS1)</b>				Prepared: 08/04/17 Analyzed: 08/09/17					*
Biochemical Oxygen Demand	<b>179</b>	5.0	mg/L	200	90.4	80-120	15		
<b>LCS Dup (B7H2130-BSD1)</b>				Prepared: 08/04/17 Analyzed: 08/09/17					*

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**LABORATORY ANALYSIS RESULTS**

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

**AA Project No:** A5332269  
**Date Received:** 08/02/17  
**Date Reported:** 08/21/17

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 B7H2130 - \*\*\* DEFAULT PREP \*\*\**

**LCS Dup (B7H2130-BSD1) Continued**

Prepared: 08/04/17 Analyzed: 08/09/17

Biochemical Oxygen Demand	177	5.0	mg/L	200	89.4	80-120	1.12	15		*
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**Duplicate (B7H2130-DUP1)**

Source: 7H02015-01

Prepared: 08/04/17 Analyzed: 08/09/17

Biochemical Oxygen Demand	<5.0	5.0	mg/L	<5.0				15		*
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**TPHG/BTEX/Oxygenates by GC/MS - Quality Control**

*Batch B7H0404 - EPA 5030B*

**Blank (B7H0404-BLK1)**

Prepared & Analyzed: 08/04/17

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

Surrogate: 4-Bromofluorobenzene	50.4		ug/L	50	101	70-140				
Surrogate: Dibromofluoromethane	49.4		ug/L	50	98.9	70-140				
Surrogate: Toluene-d8	50.8		ug/L	50	102	70-140				

**LCS (B7H0404-BS1)**

Prepared & Analyzed: 08/04/17

tert-Amyl Methyl Ether (TAME)	17.7	0.30	ug/L	20	88.3	70-130				
Benzene	17.7	0.20	ug/L	20	88.5	75-125				
tert-Butyl alcohol (TBA)	84.8	7.0	ug/L	100	84.8	70-130				
Diisopropyl ether (DIPE)	16.5	0.50	ug/L	20	82.6	70-130				
Ethylbenzene	20.7	0.20	ug/L	20	103	75-125				
Ethyl-tert-Butyl Ether (ETBE)	16.6	0.40	ug/L	20	82.8	70-130				
Gasoline Range Organics (GRO)	548	40	ug/L	500	110	70-130				
Methyl-tert-Butyl Ether (MTBE)	34.0	0.40	ug/L	40	85.1	70-135				
Toluene	22.0	0.30	ug/L	20	110	75-125				

**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:** A5332269  
**Date Received:** 08/02/17  
**Date Reported:** 08/21/17

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
<b>TPHG/BTEX/Oxygenates by GC/MS - Quality Control</b>										
<i>Batch B7H0404 - EPA 5030B</i>										
<b>LCS (B7H0404-BS1) Continued</b> Prepared & Analyzed: 08/04/17										
o-Xylene	21.0	0.30	ug/L	20	105	75-125				
m,p-Xylenes	43.6	0.40	ug/L	40	109	70-130				
<i>Surrogate: 4-Bromofluorobenzene</i>	47.1		ug/L	50	94.2	70-140				
<i>Surrogate: Dibromofluoromethane</i>	40.3		ug/L	50	80.7	70-140				
<i>Surrogate: Toluene-d8</i>	53.2		ug/L	50	106	70-140				
<b>Matrix Spike (B7H0404-MS1) Source: 7H02015-01</b> Prepared & Analyzed: 08/04/17										
tert-Amyl Methyl Ether (TAME)	16.4	0.30	ug/L	20	<2.0	82.0	70-130			
Benzene	18.9	0.20	ug/L	20	<0.50	94.6	70-130			
tert-Butyl alcohol (TBA)	114	7.0	ug/L	100	<10	114	70-130			
Diisopropyl ether (DIPE)	17.4	0.50	ug/L	20	<2.0	87.0	70-130			
Ethylbenzene	19.9	0.20	ug/L	20	<0.50	99.4	70-130			
Ethyl-tert-Butyl Ether (ETBE)	18.0	0.40	ug/L	20	<2.0	90.0	70-130			
Methyl-tert-Butyl Ether (MTBE)	40.1	0.40	ug/L	40	<2.0	100	70-130			
Toluene	21.6	0.30	ug/L	20	<0.50	108	70-130			
o-Xylene	20.9	0.30	ug/L	20	<0.50	104	70-130			
m,p-Xylenes	41.1	0.40	ug/L	40	<1.0	103	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	48.2		ug/L	50	96.3	70-140				
<i>Surrogate: Dibromofluoromethane</i>	41.8		ug/L	50	83.6	70-140				
<i>Surrogate: Toluene-d8</i>	50.0		ug/L	50	99.9	70-140				
<b>Matrix Spike Dup (B7H0404-MSD1) Source: 7H02015-01</b> Prepared & Analyzed: 08/04/17										
tert-Amyl Methyl Ether (TAME)	16.6	0.30	ug/L	20	<2.0	82.9	70-130	1.15	30	
Benzene	18.8	0.20	ug/L	20	<0.50	94.2	70-130	0.477	30	
tert-Butyl alcohol (TBA)	102	7.0	ug/L	100	<10	102	70-130	11.1	30	
Diisopropyl ether (DIPE)	17.3	0.50	ug/L	20	<2.0	86.4	70-130	0.692	30	
Ethylbenzene	19.7	0.20	ug/L	20	<0.50	98.6	70-130	0.859	30	
Ethyl-tert-Butyl Ether (ETBE)	16.8	0.40	ug/L	20	<2.0	83.8	70-130	7.08	30	
Methyl-tert-Butyl Ether (MTBE)	38.4	0.40	ug/L	40	<2.0	96.0	70-130	4.43	30	
Toluene	21.2	0.30	ug/L	20	<0.50	106	70-130	2.15	30	
o-Xylene	20.5	0.30	ug/L	20	<0.50	102	70-130	2.08	30	
m,p-Xylenes	41.4	0.40	ug/L	40	<1.0	103	70-130	0.630	30	

**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:** A5332269  
**Date Received:** 08/02/17  
**Date Reported:** 08/21/17

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 B7H0404 - EPA 5030B

**Matrix Spike Dup (B7H0404-MSD1)** Source: 7H02015-01 Prepared & Analyzed: 08/04/17  
**Continued**

Surrogate: 4-Bromofluorobenzene	49.2		ug/L	50		98.3	70-140			
Surrogate: Dibromofluoromethane	41.9		ug/L	50		83.8	70-140			
Surrogate: Toluene-d8	50.1		ug/L	50		100	70-140			

**Diesel Range Organics by GC/FID - Quality Control**

Batch B7H0911 - EPA 3510C

**Blank (B7H0911-BLK1)** Prepared & Analyzed: 08/09/17

Diesel Range Organics as Diesel	<60	60	ug/L							
Surrogate: o-Terphenyl	56.2		ug/L	40		140	50-150			

**LCS (B7H0911-BS1)** Prepared & Analyzed: 08/09/17

Diesel Range Organics as Diesel	720	60	ug/L	800		90.0	75-125		30	
Surrogate: o-Terphenyl	56.1		ug/L	40		140	50-150			

**LCS Dup (B7H0911-BSD1)** Prepared & Analyzed: 08/09/17

Diesel Range Organics as Diesel	799	60	ug/L	800		99.9	75-125	10.4	30	
Surrogate: o-Terphenyl	59.9		ug/L	40		150	50-150			

**Total Metals by ICP Atomic Emission Spectroscopy - Quality Control**

Batch B7H0721 - EPA 200.7

**Blank (B7H0721-BLK1)** Prepared: 08/07/17 Analyzed: 08/08/17

Copper	<0.0020	0.0020	mg/L							
Arsenic	<0.0060	0.0060	mg/L							

**LCS (B7H0721-BS1)** Prepared: 08/07/17 Analyzed: 08/08/17

Arsenic	1.06	0.0060	mg/L	1.0		106	80-120		20	
Copper	1.00	0.0020	mg/L	1.0		100	80-120		20	

**LCS Dup (B7H0721-BSD1)** Prepared: 08/07/17 Analyzed: 08/08/17

Copper	1.00	0.0020	mg/L	1.0		100	80-120	0.0998	20	
Arsenic	1.05	0.0060	mg/L	1.0		105	80-120	1.23	20	

**Duplicate (B7H0721-DUP1)** Source: 7H02016-04 Prepared: 08/07/17 Analyzed: 08/08/17

Arsenic	0.0247	0.0060	mg/L		0.0238			3.71	30	
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### LABORATORY ANALYSIS RESULTS

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

**AA Project No:** A5332269  
**Date Received:** 08/02/17  
**Date Reported:** 08/21/17

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

*Batch B7H0721 - EPA 200.7*

**Matrix Spike (B7H0721-MS1)**      **Source: 7H02015-01** Prepared: 08/07/17 Analyzed: 08/08/17

Arsenic	<b>0.934</b>	0.0060	mg/L	1.0	<0.0070	93.4	75-125		20	
Copper	<b>1.03</b>	0.0020	mg/L	1.0	<0.0020	103	75-125		20	

**Matrix Spike Dup (B7H0721-MSD1)**      **Source: 7H02015-01** Prepared: 08/07/17 Analyzed: 08/08/17

Copper	<b>1.06</b>	0.0020	mg/L	1.0	<0.0020	106	75-125	2.78	20	
Arsenic	<b>0.973</b>	0.0060	mg/L	1.0	<0.0070	97.3	75-125	4.13	20	

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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:** A5332269  
**Date Received:** 08/02/17  
**Date Reported:** 08/21/17

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### Special Notes

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

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**Viorel Vasile**  
Operations Manager



## American Environmental Testing Laboratory Inc.

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### Ordered By

American Analytics  
9765 Eton Avenue  
Chatsworth, CA 91311-4306

Number of Pages 17  
Date Received 08/02/2017  
Date Reported 08/15/2017

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

Job Number	Order Date	Client
88834	08/02/2017	AA

Project ID: A5332269/7H02015  
Project Name: PO# 30063

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

AETL



# AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

A.A. COC No.:

70049261  
Page 1 of 1

88834

Client: AMERICAN ANALYTICS Project Name / No.: HS332269/7402015 Sampler's Name:  
 Project Manager: Nicole Vasile Site Address: \_\_\_\_\_ Sampler's Signature:  
 Phone: \_\_\_\_\_ City: \_\_\_\_\_ State & Zip: \_\_\_\_\_ P.O. No.: 30063  
 Fax: \_\_\_\_\_ 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)

BOBS SM212B	X	X	X	X	X
HEM 1664	X	X	X	X	X
MBAS 5M	X	X	X	X	X
Phonols 4001	X	X	X	X	X
S.oxide SM400	X	X	X	X	X
TBS SM2540C	X	X	X	X	X
TBS SM 2540	X	X	X	X	X
Turbidity 1801	X	X	X	X	X

Please enter the TAT Turnaround Codes \*\* below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Special Instructions
88834.01	7402015-01	8/2/17	0930	Water	5	Normal TAT
						Thanky-
For Laboratory Use						
			Relinquished by _____	Date 8-2-17	Time 3:05	Received by _____
			Relinquished by _____	Date 08/02/17	Time 1530	Received by _____
			Relinquished by _____	Date	Time	Received by _____

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

### Ordered By

American Analytics  
9765 Eton Avenue  
Chatsworth, CA 91311-4306

Project ID: A5332269/7H02015  
Date Received 08/02/2017  
Date Reported 08/15/2017

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

Job Number	Order Date	Client
88834	08/02/2017	AA

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 1 samples with the following specification on 08/02/2017.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
88834.01	7H02015.01	08/02/2017	Aqueous	5
Method ^ Submethod	Req Date	Priority	TAT	Units
1664A	08/09/2017	2	Normal	mg/L
180.1	08/09/2017	2	Normal	NTU
420.1	08/09/2017	2	Normal	mg/L
SM-2540-D	08/09/2017	2	Normal	mg/L
SM-2540C	08/09/2017	2	Normal	mg/L
SM-4500-S=D ^ TOTAL S	08/09/2017	2	Normal	mg/L
SM-5540C	08/09/2017	2	Normal	mg/L
SM5210B	08/09/2017	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**

American Analytics  
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Telephone: (818)998-5547

Attn: Viorel Vasile

Page: **2**

Project ID: **A5332269/7H02015**

Project Name: **PO# 30063**

<b>AETL Job Number</b>	<b>Submitted</b>	<b>Client</b>
<b>88834</b>	<b>08/02/2017</b>	<b>AA</b>

Method: 1664A, Oil and Grease by Extraction and Gravimetry

QC Batch No: OG080417-1

<b>Our Lab I.D.</b>		Method Blank	<b>88834.01</b>			
Client Sample I.D.			7H02015.01			
Date Sampled			<b>08/02/2017</b>			
Date Prepared		<b>08/04/2017</b>	<b>08/04/2017</b>			
Preparation Method		<b>1664A</b>	<b>1664A</b>			
Date Analyzed		<b>08/07/2017</b>	<b>08/07/2017</b>			
Matrix		Aqueous	Aqueous			
Units		mg/L	mg/L			
Dilution Factor		1	1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>		
Oil and Grease	<b>0.5</b>	<b>0.5</b>	<b>ND</b>	<b>ND</b>		



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Page: **3**

Project ID: **A5332269/7H02015**

Project Name: **PO# 30063**

<b>AETL Job Number</b>	<b>Submitted</b>	<b>Client</b>
<b>88834</b>	<b>08/02/2017</b>	<b>AA</b>

Method: 180.1, Turbidity, Nephelometric (EPA/600/4-79-020)

QC Batch No: TU080217-1

<b>Our Lab I.D.</b>		Method Blank	<b>88834.01</b>			
Client Sample I.D.			7H02015.01			
Date Sampled			<b>08/02/2017</b>			
Date Prepared		<b>08/02/2017</b>	<b>08/02/2017</b>			
Preparation Method		<b>180.1</b>	<b>180.1</b>			
Date Analyzed		<b>08/02/2017</b>	<b>08/02/2017</b>			
Matrix		Aqueous	Aqueous			
Units		NTU	NTU			
Dilution Factor		1	1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>		
Turbidity	<b>0.5</b>	<b>1.0</b>	<b>ND</b>	<b>ND</b>		



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Project ID: **A5332269/7H02015**

Project Name: **PO# 30063**

AETL Job Number	Submitted	Client
88834	08/02/2017	AA

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

QC Batch No: PHO080417-1

<b>Our Lab I.D.</b>		Method Blank	<b>88834.01</b>			
Client Sample I.D.			7H02015.01			
Date Sampled			<b>08/02/2017</b>			
Date Prepared		<b>08/04/2017</b>	<b>08/04/2017</b>			
Preparation Method		<b>420.1</b>	<b>420.1</b>			
Date Analyzed		<b>08/04/2017</b>	<b>08/04/2017</b>			
Matrix		Aqueous	Aqueous			
Units		mg/L	mg/L			
Dilution Factor		1	1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>		
Phenolic compounds as phenol	<b>0.15</b>	<b>0.30</b>	<b>ND</b>	<b>ND</b>		



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Project ID: **A5332269/7H02015**

Project Name: **PO# 30063**

<b>AETL Job Number</b>	<b>Submitted</b>	<b>Client</b>
<b>88834</b>	<b>08/02/2017</b>	<b>AA</b>

Method: SM-2540-D, Residue, Non-Filterable, Gravimetric Dried at 103-105C

QC Batch No: TS080417-1

<b>Our Lab I.D.</b>		Method Blank	<b>88834.01</b>			
Client Sample I.D.			7H02015.01			
Date Sampled			<b>08/02/2017</b>			
Date Prepared		<b>08/04/2017</b>	<b>08/04/2017</b>			
Preparation Method		<b>SM2540D</b>	<b>SM2540D</b>			
Date Analyzed		<b>08/04/2017</b>	<b>08/04/2017</b>			
Matrix		Aqueous	Aqueous			
Units		mg/L	mg/L			
Dilution Factor		1	1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>		
Total Suspended Solids (TSS)	<b>0.50</b>	<b>5.00</b>	<b>ND</b>	<b>ND</b>		





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Project ID: **A5332269/7H02015**

Project Name: **PO# 30063**

<b>AETL Job Number</b>	<b>Submitted</b>	<b>Client</b>
<b>88834</b>	<b>08/02/2017</b>	<b>AA</b>

Method: SM-2540C, Total Dissolved Solids, Gravimetric, Dried at 180 C

QC Batch No: TD080317-1

<b>Our Lab I.D.</b>		Method Blank	<b>88834.01</b>			
Client Sample I.D.			7H02015.01			
Date Sampled			<b>08/02/2017</b>			
Date Prepared		<b>08/03/2017</b>	<b>08/03/2017</b>			
Preparation Method		<b>SM2540C</b>	<b>SM2540C</b>			
Date Analyzed		<b>08/04/2017</b>	<b>08/04/2017</b>			
Matrix		Aqueous	Aqueous			
Units		mg/L	mg/L			
Dilution Factor		1	1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>		
Total dissolved solids	<b>5.0</b>	<b>10.0</b>	<b>ND</b>	<b>1,360</b>		



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Project ID: **A5332269/7H02015**

Project Name: **PO# 30063**

<b>AETL Job Number</b>	<b>Submitted</b>	<b>Client</b>
<b>88834</b>	<b>08/02/2017</b>	<b>AA</b>

Method: SM-4500-S=D, Total Sulfide, Colorimetric

QC Batch No: SUT080217-1

<b>Our Lab I.D.</b>		Method Blank	<b>88834.01</b>			
Client Sample I.D.			7H02015.01			
Date Sampled			<b>08/02/2017</b>			
Date Prepared		<b>08/02/2017</b>	<b>08/02/2017</b>			
Preparation Method		<b>SM4500SD</b>	<b>SM4500SD</b>			
Date Analyzed		<b>08/02/2017</b>	<b>08/02/2017</b>			
Matrix		Aqueous	Aqueous			
Units		mg/L	mg/L			
Dilution Factor		1	1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>		
Sulfide, total	<b>0.01</b>	<b>0.05</b>	<b>ND</b>	<b>ND</b>		



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Project ID: **A5332269/7H02015**

Project Name: **PO# 30063**

<b>AETL Job Number</b>	<b>Submitted</b>	<b>Client</b>
<b>88834</b>	<b>08/02/2017</b>	<b>AA</b>

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

QC Batch No: MB080317-1

<b>Our Lab I.D.</b>		Method Blank	<b>88834.01</b>			
Client Sample I.D.			7H02015.01			
Date Sampled			<b>08/02/2017</b>			
Date Prepared		<b>08/03/2017</b>	<b>08/03/2017</b>			
Preparation Method		<b>SM5540C</b>	<b>SM5540C</b>			
Date Analyzed		<b>08/03/2017</b>	<b>08/03/2017</b>			
Matrix		Aqueous	Aqueous			
Units		mg/L	mg/L			
Dilution Factor		1	1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>		
Surfactants (MBAS)	<b>0.05</b>	<b>0.05</b>	<b>ND</b>	<b>ND</b>		



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### ANALYTICAL RESULTS

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Project ID: **A5332269/7H02015**

Project Name: **PO# 30063**

<b>AETL Job Number</b>	<b>Submitted</b>	<b>Client</b>
<b>88834</b>	<b>08/02/2017</b>	<b>AA</b>

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

QC Batch No: BO080417-1

<b>Our Lab I.D.</b>		Method Blank	<b>88834.01</b>			
Client Sample I.D.			7H02015.01			
Date Sampled			<b>08/02/2017</b>			
Date Prepared		<b>08/04/2017</b>	<b>08/04/2017</b>			
Preparation Method		<b>SM5210B</b>	<b>SM5210B</b>			
Date Analyzed		<b>08/09/2017</b>	<b>08/09/2017</b>			
Matrix		Aqueous	Aqueous			
Units		mg/L	mg/L			
Dilution Factor		1	1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>		
Biochemical Oxygen Demand (BOD)	<b>5.0</b>	<b>5.0</b>	<b>ND</b>	<b>ND</b>		



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### QUALITY CONTROL RESULTS

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Project ID: **A5332269/7H02015**

Project Name: **PO# 30063**

<b>AETL Job Number</b>	<b>Submitted</b>	<b>Client</b>
<b>88834</b>	<b>08/02/2017</b>	<b>AA</b>

Method: 1664A, Oil and Grease by Extraction and Gravimetry

QC Batch No: OG080417-1; LCS: Clean Water; LCS Prepared: 08/04/2017; LCS Analyzed: 08/07/2017; Units: mg/L

<b>Analytes</b>	<b>LCS Concen</b>	<b>LCS Recov</b>	<b>LCS % REC</b>	<b>LCS DUP Concen</b>	<b>LCS DUP Recov</b>	<b>LCS DUP % REC</b>	<b>LCS RPD % REC</b>	<b>LCS/LCSD % Limit</b>	<b>LCS RPD % Limit</b>	
Oil and Grease	<b>40.0</b>	<b>36.7</b>	<b>91.8</b>	<b>40.0</b>	<b>37.3</b>	<b>93.3</b>	<b>1.6</b>	<b>80-120</b>	<b>&lt;20</b>	



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Project ID: **A5332269/7H02015**

Project Name: **PO# 30063**

<b>AETL Job Number</b>	<b>Submitted</b>	<b>Client</b>
<b>88834</b>	<b>08/02/2017</b>	<b>AA</b>

Method: 180.1, Turbidity, Nephelometric (EPA/600/4-79-020)

QC Batch No: TU080217-1; Dup or Spiked Sample: 88834.01; LCS: Clean Water; LCS Prepared: 08/02/2017; LCS Analyzed: 08/02/2017;  
Units: NTU

<b>Analytes</b>	<b>SM Result</b>	<b>SM DUP Result</b>	<b>RPD %</b>	<b>SM RPD % Limit</b>	<b>LCS Concen</b>	<b>LCS Recov</b>	<b>LCS % REC</b>	<b>LCS/LCSD % Limit</b>		
Turbidity	<b>ND</b>	<b>ND</b>	<b>&lt;1</b>	<b>&lt;15</b>	<b>15.0</b>	<b>14.5</b>	<b>96.7</b>	<b>80-120</b>		



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Page: **12**

Project ID: **A5332269/7H02015**

Project Name: **PO# 30063**

<b>AETL Job Number</b>	<b>Submitted</b>	<b>Client</b>
88834	08/02/2017	AA

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

QC Batch No: PHO080417-1; Dup or Spiked Sample: 88834.01; LCS: Clean Water; QC Prepared: 08/04/2017; QC Analyzed: 08/04/2017;  
 Units: mg/L

<b>Analytes</b>	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Phenol	<b>0.00</b>	<b>0.500</b>	<b>0.466</b>	<b>93.2</b>	<b>0.500</b>	<b>0.452</b>	<b>90.4</b>	<b>3.1</b>	<b>80-120</b>	<b>&lt;15</b>

QC Batch No: PHO080417-1; Dup or Spiked Sample: 88834.01; LCS: Clean Water; QC Prepared: 08/04/2017; QC Analyzed: 08/04/2017;  
 Units: mg/L

<b>Analytes</b>	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	<b>0.500</b>	<b>0.456</b>	<b>91.2</b>	<b>0.500</b>	<b>0.432</b>	<b>86.4</b>	<b>5.4</b>	<b>80-120</b>	<b>&lt;20</b>



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Project ID: **A5332269/7H02015**

Project Name: **PO# 30063**

<b>AETL Job Number</b>	<b>Submitted</b>	<b>Client</b>
<b>88834</b>	<b>08/02/2017</b>	<b>AA</b>

Method: SM-2540-D, Residue, Non-Filterable, Gravimetric Dried at 103-105C

QC Batch No: TS080417-1; Dup or Spiked Sample: 88838.01; LCS: Clean Water; LCS Prepared: 08/04/2017; LCS Analyzed: 08/04/2017;  
Units: mg/L

<b>Analytes</b>	<b>SM Result</b>	<b>SM DUP Result</b>	<b>RPD %</b>	<b>SM RPD % Limit</b>	<b>LCS Concen</b>	<b>LCS Recov</b>	<b>LCS % REC</b>	<b>LCS/LCSD % Limit</b>		
Total Suspended Solids (TSS)	<b>ND</b>	<b>ND</b>	<b>&lt;1</b>	<b>&lt;15</b>	<b>100</b>	<b>93.0</b>	<b>93.0</b>	<b>80-120</b>		





## American Environmental Testing Laboratory Inc.

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### QUALITY CONTROL RESULTS

**Ordered By**

American Analytics  
9765 Eton Avenue  
Chatsworth, CA 91311-4306

Telephone: (818)998-5547

Attn: Viorel Vasile

Page: **14**

Project ID: **A5332269/7H02015**

Project Name: **PO# 30063**

<b>AETL Job Number</b>	<b>Submitted</b>	<b>Client</b>
<b>88834</b>	<b>08/02/2017</b>	<b>AA</b>

Method: SM-2540C, Total Dissolved Solids, Gravimetric, Dried at 180 C

QC Batch No: TD080317-1; Dup or Spiked Sample: 88837.01; LCS: Clean Water; LCS Prepared: 08/03/2017; LCS Analyzed: 08/04/2017;  
Units: mg/L

<b>Analytes</b>	<b>SM Result</b>	<b>SM DUP Result</b>	<b>RPD %</b>	<b>SM RPD % Limit</b>	<b>LCS Concen</b>	<b>LCS Recov</b>	<b>LCS % REC</b>	<b>LCS/LCSD % Limit</b>		
Total dissolved solids	<b>1010</b>	<b>1000</b>	<b>&lt;1</b>	<b>&lt;15</b>	<b>100</b>	<b>96.0</b>	<b>96.0</b>	<b>80-120</b>		



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### QUALITY CONTROL RESULTS

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 9765 Eton Avenue  
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Telephone: (818)998-5547

Attn: Viorel Vasile

Page: **15**

Project ID: **A5332269/7H02015**

Project Name: **PO# 30063**

<b>AETL Job Number</b>	<b>Submitted</b>	<b>Client</b>
88834	08/02/2017	AA

Method: SM-4500-S=D, Total Sulfide, Colorimetric

QC Batch No: SUT080217-1; Dup or Spiked Sample: 88834.01; LCS: Clean Water; LCS Prepared: 08/02/2017;  
 LCS Analyzed: 08/02/2017; Units: mg/L

<b>Analytes</b>	SM Result	SM DUP Result	RPD %	SM RPD % Limit						
Sulfide, total	<b>ND</b>	<b>ND</b>	<b>&lt;1</b>	<b>&lt;20</b>						

QC Batch No: SUT080217-1; Dup or Spiked Sample: 88834.01; LCS: Clean Water; LCS Prepared: 08/02/2017;  
 LCS Analyzed: 08/02/2017; Units: mg/L

<b>Analytes</b>	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Sulfide, total	<b>0.200</b>	<b>0.176</b>	<b>88.0</b>	<b>0.200</b>	<b>0.172</b>	<b>86.0</b>	<b>2.3</b>	<b>80-120</b>	<b>&lt;20</b>	



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### QUALITY CONTROL RESULTS

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Telephone: (818)998-5547

Attn: Viorel Vasile

Page: **16**

Project ID: **A5332269/7H02015**

Project Name: **PO# 30063**

AETL Job Number	Submitted	Client
88834	08/02/2017	AA

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

QC Batch No: MB080317-1; Dup or Spiked Sample: 88834.01; LCS: Clean Water; QC Prepared: 08/03/2017; QC Analyzed: 08/03/2017;  
 Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Surfactants (MBAS)	<b>0.00</b>	<b>0.500</b>	<b>0.476</b>	<b>95.2</b>	<b>0.500</b>	<b>0.449</b>	<b>89.8</b>	<b>5.8</b>	<b>80-120</b>	<b>&lt;15</b>

QC Batch No: MB080317-1; Dup or Spiked Sample: 88834.01; LCS: Clean Water; QC Prepared: 08/03/2017; QC Analyzed: 08/03/2017;  
 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)	<b>0.500</b>	<b>0.462</b>	<b>92.4</b>	<b>0.500</b>	<b>0.458</b>	<b>91.6</b>	<b>&lt;1</b>	<b>80-120</b>	<b>&lt;15</b>



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### QUALITY CONTROL RESULTS

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Telephone: (818)998-5547

Attn: Viorel Vasile

Page: **17**

Project ID: **A5332269/7H02015**

Project Name: **PO# 30063**

<b>AETL Job Number</b>	<b>Submitted</b>	<b>Client</b>
88834	08/02/2017	AA

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

QC Batch No: BO080417-1; Dup or Spiked Sample: 88834.01; LCS: Clean Water; LCS Prepared: 08/04/2017; LCS Analyzed: 08/09/2017;  
 Units: mg/L

<b>Analytes</b>	SM Result	SM DUP Result	RPD %	SM RPD % Limit						
Biochemical Oxygen Demand (BOD)	<b>ND</b>	<b>ND</b>	<b>&lt;1</b>	<b>&lt;15</b>						

QC Batch No: BO080417-1; Dup or Spiked Sample: 88834.01; LCS: Clean Water; LCS Prepared: 08/04/2017; LCS Analyzed: 08/09/2017;  
 Units: mg/L

<b>Analytes</b>	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Biochemical Oxygen Demand (BOD)	<b>198</b>	<b>179</b>	<b>90.4</b>	<b>198</b>	<b>177</b>	<b>89.4</b>	<b>1.1</b>	<b>80-120</b>	<b>&lt;15</b>	



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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

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# AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

13439

Page 1 of 1

**Client:** The Source Group, Inc.  
**Project Manager:** Neil Irish  
**Phone:** 562-597-1055  
**Fax:** 569-597-1070

**Project Name / No.:** DFSP-Norwalk /091-NDLA /Quarterly NPDES  
**Site Address:** 15306 Norwalk Blvd  
**City:** Norwalk  
**State & Zip:** CA 90650

**Sampler's Name:** Glenn Androska  
**Sampler's Signature:** **P.O. No.:**  
**Quote No.:**

**TAT Turnaround Codes \*\***

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

**ANALYSIS REQUESTED (Test Name)**

Client I.D.	Date	Time	Sample Matrix	No. of Cont	Please enter the TAT Turnaround Codes ** below										Special Instructions									
					TPH	PH	MBDA	TPH	MBDA	8260B	Asenic 2007	TDS, TSS, Turbidity	BOD5 20 deg C	Oil & Grease		Settleable Solids	Sulfides, Phosols	Residual Chlorine, Copper	Methylene Blue Active Substances					
Effluent	7/20/15	0930	Water	16																			Report J-Flags	
Effluent-Dup	7/20/15	0933	Water	4																				

Relinquished by   
Relinquished by *Neil Irish*  
Relinquished by

Received by *Neil Irish*  
Received by *Neil Irish*  
Received by *Neil Irish*

A5332269/7H02015

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

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September 26, 2017

Neil Irish

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

**Re : DFSP Norwalk GWETS NPDES Monthly / 04-NDLA-013  
A5332311 / 7113012**

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

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

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

Sincerely,

Viorel Vasile  
Operations Manager





**LABORATORY ANALYSIS RESULTS**

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

**AA Project No:** A5332311  
**Date Received:** 09/13/17  
**Date Reported:** 09/26/17

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

Effluent	7113012-01	Water	5	09/13/17 10:35	09/13/17 12:46
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**Arsenic Total EPA 200.7**

Effluent	7113012-01	Water	5	09/13/17 10:35	09/13/17 12:46
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**Diesel Range Organics 8015M**

Effluent	7113012-01	Water	5	09/13/17 10:35	09/13/17 12:46
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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:** A5332311  
**Date Received:** 09/13/17  
**Date Reported:** 09/26/17  
**Units:** ug/L

---

<b>Date Sampled:</b>	09/13/17		
<b>Date Prepared:</b>	09/19/17		
<b>Date Analyzed:</b>	09/19/17		
<b>AA ID No:</b>	7113012-01		
<b>Client ID No:</b>	Effluent		
<b>Matrix:</b>	Water		
<b>Dilution Factor:</b>	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

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**Surrogates**

		<b><u>%REC Limits</u></b>	
4-Bromofluorobenzene	103%	70-140	
Dibromofluoromethane	101%	70-140	
Toluene-d8	105%	70-140	

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**Viorel Vasile**  
Operations Manager

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**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:** A5332311  
**Date Received:** 09/13/17  
**Date Reported:** 09/26/17  
**Units:** ug/L

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<b>Date Sampled:</b>	09/13/17		
<b>Date Prepared:</b>	09/14/17		
<b>Date Analyzed:</b>	09/16/17		
<b>AA ID No:</b>	7113012-01		
<b>Client ID No:</b>	Effluent		
<b>Matrix:</b>	Water		
<b>Dilution Factor:</b>	1	MDL	MRL

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**Diesel Range Organics 8015M (EPA 8015M)**

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

o-Terphenyl	124%	<b><u>%REC Limits</u></b>
		50-150

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**Viorel Vasile**  
Operations Manager

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## 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:** A5332311  
**Date Received:** 09/13/17  
**Date Reported:** 09/26/17

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
<b><u>Arsenic Total EPA 200.7 (EPA 200.7)</u></b>									
7I13012-01	Effluent	09/13/17	09/15/17	09/19/17	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:** A5332311  
**Date Received:** 09/13/17  
**Date Reported:** 09/26/17

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 B711919 - EPA 5030B

**Blank (B711919-BLK1)**

Prepared & Analyzed: 09/19/17

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

Surrogate: 4-Bromofluorobenzene	52.4		ug/L	50		105	70-140			
Surrogate: Dibromofluoromethane	52.9		ug/L	50		106	70-140			
Surrogate: Toluene-d8	49.5		ug/L	50		99.1	70-140			

**LCS (B711919-BS1)**

Prepared & Analyzed: 09/19/17

tert-Amyl Methyl Ether (TAME)	<b>16.2</b>	0.30	ug/L	20		81.0	70-130			
Benzene	<b>16.2</b>	0.20	ug/L	20		81.2	75-125			
tert-Butyl alcohol (TBA)	<b>90.4</b>	7.0	ug/L	100		90.4	70-130			
Diisopropyl ether (DIPE)	<b>19.7</b>	0.50	ug/L	20		98.7	70-130			
Ethylbenzene	<b>21.2</b>	0.20	ug/L	20		106	75-125			
Ethyl-tert-Butyl Ether (ETBE)	<b>16.4</b>	0.40	ug/L	20		82.1	70-130			
Gasoline Range Organics (GRO)	<b>462</b>	40	ug/L	500		92.4	70-130			
Methyl-tert-Butyl Ether (MTBE)	<b>40.0</b>	0.40	ug/L	40		99.9	70-135			
Toluene	<b>21.8</b>	0.30	ug/L	20		109	75-125			
o-Xylene	<b>21.9</b>	0.30	ug/L	20		110	75-125			
m,p-Xylenes	<b>45.3</b>	0.40	ug/L	40		113	70-130			

Surrogate: 4-Bromofluorobenzene	49.2		ug/L	50		98.4	70-140			
Surrogate: Dibromofluoromethane	45.3		ug/L	50		90.6	70-140			
Surrogate: Toluene-d8	55.8		ug/L	50		112	70-140			

**Matrix Spike (B711919-MS1)** Source: 7I13012-01 Prepared: 09/19/17 Analyzed: 09/20/17

**Viorel Vasile**  
Operations Manager



LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332311
Date Received: 09/13/17
Date Reported: 09/26/17

Table with 11 columns: Analyte, Reporting Result, Reporting Limit, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Notes

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

Batch B711919 - EPA 5030B

Matrix Spike (B711919-MS1) Continued Source: 7113012-01 Prepared: 09/19/17 Analyzed: 09/20/17

Table with 11 columns: Analyte, Reporting Result, Reporting Limit, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Notes. Rows include tert-Amyl Methyl Ether (TAME), Benzene, tert-Butyl alcohol (TBA), Diisopropyl ether (DIPE), Ethylbenzene, Ethyl-tert-Butyl Ether (ETBE), Methyl-tert-Butyl Ether (MTBE), Toluene, o-Xylene, m,p-Xylenes.

Table with 11 columns: Analyte, Reporting Result, Reporting Limit, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Notes. Rows include Surrogate: 4-Bromofluorobenzene, Surrogate: Dibromofluoromethane, Surrogate: Toluene-d8.

Matrix Spike Dup (B711919-MSD1) Source: 7113012-01 Prepared: 09/19/17 Analyzed: 09/20/17

Table with 11 columns: Analyte, Reporting Result, Reporting Limit, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Notes. Rows include tert-Amyl Methyl Ether (TAME), Benzene, tert-Butyl alcohol (TBA), Diisopropyl ether (DIPE), Ethylbenzene, Ethyl-tert-Butyl Ether (ETBE), Methyl-tert-Butyl Ether (MTBE), Toluene, o-Xylene, m,p-Xylenes.

Table with 11 columns: Analyte, Reporting Result, Reporting Limit, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Notes. Rows include Surrogate: 4-Bromofluorobenzene, Surrogate: Dibromofluoromethane, Surrogate: Toluene-d8.

Diesel Range Organics by GC/FID - Quality Control

Batch B711420 - EPA 3510C

Blank (B711420-BLK1) Prepared: 09/14/17 Analyzed: 09/16/17

Handwritten signature

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:** A5332311  
**Date Received:** 09/13/17  
**Date Reported:** 09/26/17

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Notes
<b>Diesel Range Organics by GC/FID - Quality Control</b>									
<i>Batch B711420 - EPA 3510C</i>									
<b>Blank (B711420-BLK1) Continued</b>				Prepared: 09/14/17 Analyzed: 09/16/17					
Diesel Range Organics as Diesel	<60	60	ug/L						
Surrogate: o-Terphenyl	50.5		ug/L	40		126 50-150			
<b>LCS (B711420-BS1)</b>				Prepared: 09/14/17 Analyzed: 09/16/17					
Diesel Range Organics as Diesel	<b>712</b>	60	ug/L	800		89.0 75-125		30	
Surrogate: o-Terphenyl	54.2		ug/L	40		135 50-150			
<b>LCS Dup (B711420-BSD1)</b>				Prepared: 09/14/17 Analyzed: 09/16/17					
Diesel Range Organics as Diesel	<b>814</b>	60	ug/L	800		102 75-125	13.3	30	
Surrogate: o-Terphenyl	58.8		ug/L	40		147 50-150			
<b>Total Metals by ICP Atomic Emission Spectroscopy - Quality Control</b>									
<i>Batch B711516 - EPA 3010A</i>									
<b>Blank (B711516-BLK1)</b>				Prepared: 09/15/17 Analyzed: 09/19/17					
Arsenic	<0.0060	0.0060	mg/L						
<b>LCS (B711516-BS1)</b>				Prepared: 09/15/17 Analyzed: 09/19/17					
Arsenic	<b>1.06</b>	0.0060	mg/L	1.0		106 80-120		20	
<b>LCS Dup (B711516-BSD1)</b>				Prepared: 09/15/17 Analyzed: 09/19/17					
Arsenic	<b>1.08</b>	0.0060	mg/L	1.0		108 80-120	1.03	20	
<b>Duplicate (B711516-DUP1)</b>				<b>Source: 7I13013-04</b> Prepared: 09/15/17 Analyzed: 09/19/17					
Arsenic	<b>0.0216</b>	0.0060	mg/L		0.0208		3.77	30	
<b>Matrix Spike (B711516-MS1)</b>				<b>Source: 7I13012-01</b> Prepared: 09/15/17 Analyzed: 09/19/17					
Arsenic	<b>1.02</b>	0.0060	mg/L	1.0	<0.0070	102 75-125		20	
<b>Matrix Spike Dup (B711516-MSD1)</b>				<b>Source: 7I13012-01</b> Prepared: 09/15/17 Analyzed: 09/19/17					
Arsenic	<b>1.05</b>	0.0060	mg/L	1.0	<0.0070	105 75-125	3.01	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:** A5332311  
**Date Received:** 09/13/17  
**Date Reported:** 09/26/17

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### Special Notes

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**Viorel Vasile**  
Operations Manager



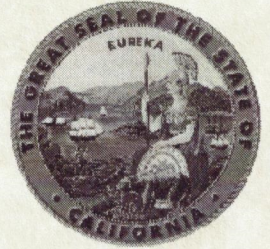


**APPENDIX B**  
Laboratory ELAP Certification



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: **3/31/2018**

Effective Date: **4/1/2017**

Sacramento, California  
subject to forfeiture or revocation

Christine Sotelo, Chief  
Environmental Laboratory Accreditation Program



EDMUND G. BROWN JR.  
GOVERNOR

MATTHEW RODRIGUEZ  
SECRETARY FOR  
ENVIRONMENTAL PROTECTION

## State Water Resources Control Board

April 19, 2017

George Havalias  
American Analytics Inc.  
9765 Eton Avenue  
Chatsworth, CA 91311

Dear George Havalias:

Certificate No. 1471

This notice advises that the laboratory named above has been certified as an environmental testing laboratory pursuant to the provisions of the Health and Safety Code (HSC), Division 101, Part 1, Chapter 4, Section 100825, *et seq.*

The Fields of Testing for which this laboratory has been certified are indicated on the enclosed "Fields of Testing" list. The certificate shall remain in effect until **March 31, 2018** unless it is revoked. This certificate is subject to an annual fee as determined by HSC 100860.1(a).

The application for renewal of this certificate must be received 90 days prior to the expiration date to remain in force according to HSC 100845(a). You must submit annual Proficiency Testing results before the due date of your annual fee to remain in compliance.

Any change in laboratory location or alteration to laboratory structure that could adversely affect quality of analysis in certified methods require notification prior to the change. Notification is also required for a transfer in ownership or appointment of new laboratory director within 30 days of the change (HSC, Section 100845(b) and (d)).

Your continued cooperation with the above requirements is essential for maintaining the high quality of the data produced by environmental laboratories certified by the State of California.

Please contact our office at (916) 323-3431 or [elapca@waterboards.ca.gov](mailto:elapca@waterboards.ca.gov) with questions.

Sincerely,

A handwritten signature in black ink that reads "Christine Sotelo".

Christine Sotelo, Chief  
Environmental Laboratory Accreditation Program

Enclosure



**CALIFORNIA STATE  
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM  
Accredited Fields of Testing**



**American Analytics Inc.**

Stationary Laboratory  
9765 Eton Avenue  
Chatsworth, CA 91311  
Phone: (818) 998-5547

**Certificate No. 1471  
Expiration Date 3/31/2018**

**Field of Testing: 102 - Inorganic Chemistry of Drinking Water**

102.015	001	Hydrogen Ion (pH)	EPA 150.1
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	004	Silica	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.026	006	Hardness (calculation)	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	008	Phosphate, Ortho (as P)	EPA 300.0
102.030	009	Sulfate	EPA 300.0
102.045	001	Perchlorate	EPA 314.0
102.100	001	Alkalinity	SM2320B-1997
102.121	001	Hardness	SM2340C-1997
102.130	001	Conductivity	SM2510B-1997
102.140	001	Residue, Filterable TDS	SM2540C-1997
102.175	002	Chlorine, Total Residual	SM4500-Cl G-2000
102.190	001	Cyanide, Total	SM4500-CN E
102.260	001	Total Organic Carbon TOC	SM5310B-2000

**Field of Testing: 103 - Toxic Chemical Elements of Drinking Water**

103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8

As of 4/28/2017, this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium (VI)	EPA 218.6

**Field of Testing:** 104 - Volatile Organic Chemistry of Drinking Water

104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethene	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	EPA 524.2
104.040	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	028	Dichloromethane	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	EPA 524.2
104.040	034	trans-1,3-Dichloropropene	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethene	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2

104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2

**Field of Testing:** 108 - Inorganic Chemistry of Wastewater

108.110	001	Turbidity	EPA 180.1
108.112	001	Boron	EPA 200.7
108.112	002	Calcium	EPA 200.7
108.112	003	Hardness (calculation)	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	006	Silica, Dissolved	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.120	001	Bromide	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	013	Nitrate-Nitrite (as N)	EPA 300.0
108.120	014	Nitrite (as N)	EPA 300.0
108.120	015	Phosphate, Ortho (as P)	EPA 300.0
108.323	001	Chemical Oxygen Demand	EPA 410.4
108.381	001	Oil and Grease	EPA 1664A
108.390	001	Turbidity	SM2130B-2001
108.410	001	Alkalinity	SM2320B-1997
108.421	001	Hardness	SM2340C-1997
108.430	001	Conductivity	SM2510B-1997
108.440	001	Residue, Total	SM2540B-1997
108.441	001	Residue, Filterable TDS	SM2540C-1997
108.442	001	Residue, Non-filterable TSS	SM2540D-1997
108.443	001	Residue, Settleable	SM2540F-1997
108.465	001	Chlorine, Total Residual	SM4500-CI G-2000
108.470	001	Cyanide, Total	SM4500-CN B or C-1999
108.472	001	Cyanide, Total	SM4500-CN E-1999
108.473	001	Cyanide, amenable	SM4500-CN G-1999
108.490	001	Hydrogen Ion (pH)	SM4500-H+ B-2000
108.502	002	Ammonia (as N)	SM4500-NH3 B,E-1997
108.536	001	Oxygen, dissolved	SM4500-O G-2001

108.584	001	Sulfide (as S)	SM4500-S= D-2000
108.592	001	Biochemical Oxygen Demand	SM5210B-2001
108.596	001	Organic Carbon-Total (TOC)	SM5310B-2000
108.660	001	Chemical Oxygen Demand	HACH8000

**Field of Testing: 109 - Toxic Chemical Elements of Wastewater**

109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	025	Titanium	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.104	001	Chromium (VI)	EPA 218.6
109.190	001	Mercury	EPA 245.1
109.449	001	Iron	SM3500-Fe B-1997



**Field of Testing:** 110 - Volatile Organic Chemistry of Wastewater

110.020	000	Purgeable Aromatics	EPA 602
110.040	000	Purgeable Organic Compounds	EPA 624

**Field of Testing:** 111 - Semi-volatile Organic Chemistry of Wastewater

111.060	000	Polynuclear Aromatics	EPA 610
111.100	000	Base/Neutral & Acid Organics	EPA 625
111.103	000	Nitrosamines	EPA 625
111.170	000	Organochlorine Pesticides and PCBs	EPA 608

**Field of Testing:** 114 - Inorganic Chemistry of Hazardous Waste

114.010	001	Antimony	EPA 6010B
114.010	002	Arsenic	EPA 6010B
114.010	003	Barium	EPA 6010B
114.010	004	Beryllium	EPA 6010B
114.010	005	Cadmium	EPA 6010B
114.010	006	Chromium	EPA 6010B
114.010	007	Cobalt	EPA 6010B
114.010	008	Copper	EPA 6010B
114.010	009	Lead	EPA 6010B
114.010	010	Molybdenum	EPA 6010B
114.010	011	Nickel	EPA 6010B
114.010	012	Selenium	EPA 6010B
114.010	013	Silver	EPA 6010B
114.010	014	Thallium	EPA 6010B
114.010	015	Vanadium	EPA 6010B
114.010	016	Zinc	EPA 6010B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.106	001	Chromium (VI)	EPA 7199
114.141	001	Mercury	EPA 7471A
114.241	001	Corrosivity - pH Determination	EPA 9045C

**Field of Testing:** 115 - Extraction Test of Hazardous Waste

115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311
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115.021	001	TCLP Inorganics	EPA 1311
115.022	001	TCLP Extractables	EPA 1311
115.023	001	TCLP Volatiles	EPA 1311
115.030	001	Waste Extraction Test (WET)	CCR Chapter 11, Article 5, Appendix II
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312

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**Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste**

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116.030	001	Gasoline-range Organics	EPA 8015B
116.040	062	BTEX	EPA 8021B
116.080	000	Volatile Organic Compounds	EPA 8260B
116.100	001	Total Petroleum Hydrocarbons - Gasoline	LUFT GC/MS

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**Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste**

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117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015B
117.017	001	TRPH Screening	EPA 418.1
117.110	000	Extractable Organics	EPA 8270C
117.140	000	Polynuclear Aromatic Hydrocarbons	EPA 8310
117.210	000	Organochlorine Pesticides	EPA 8081A
117.220	000	PCBs	EPA 8082

**APPENDIX C**  
Report Certification



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

October 11, 2017

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 2017 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](mailto:carol.devier-heeney@dla.mil).

Sincerely,

Digitally signed by  
POTTER.WILLIAM.Y.1394566272  
Date: 2017.10.12 07:13:16  
-04'00'

William Y. Potter  
Chief, Restoration Branch

Enclosure  
As stated

cc:  
CRWQB Information Technology Unit  
Mike Wood, P.E., Senior Engineer, The Source Group, Inc.

STATE WATER RESOURCES CONTROL BOARD  
**GEOTRACKER ESI**

UPLOADING A GEO\_REPORT FILE

**SUCCESS**

**Your GEO\_REPORT file has been successfully submitted!**

<u>Submittal Type:</u>	GEO_REPORT
<u>Report Title:</u>	Groundwater Discharge Monitoring Report Quarter 3, 2017
<u>Report Type:</u>	NPDES / WDR Reports
<u>Report Date:</u>	10/13/2017
<u>Facility Global ID:</u>	SLT43185183
<u>Facility Name:</u>	Norwalk, Fuel Terminal DFSP - DOD - NORWALK DFSP
<u>File Name:</u>	Groundwater Discharge Monitoring Report Quarter 3, 2017.pdf
<u>Organization Name:</u>	The Source Group, Inc.
<u>Username:</u>	SIGNAL HILL
<u>IP Address:</u>	66.214.148.134
<u>Submittal Date/Time:</u>	10/13/2017 3:46:12 PM
<u>Confirmation Number:</u>	<b>1279861688</b>

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