

May 15, 2015

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 1, 2015**  
**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 - Energy (DLA Energy), The Source Group, Inc. (SGI) presents this groundwater discharge monitoring report to summarize the National Pollutant Discharge Elimination System (NPDES) monitoring activities for Quarter 1, 2015 at Defense Fuel Support Point, 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. 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 342,827 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 7.6 pounds (Table 2c) during Quarter 1, 2015.

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).

Representative sample 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.

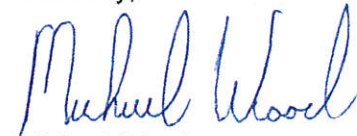
### **LABORATORY CERTIFICATION**

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.

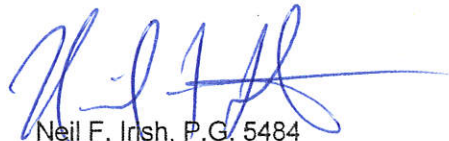
**REPORT CERTIFICATION**

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.

Sincerely,



Michael Wood  
Senior Engineer



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

Attachments and Distribution on Following Page:

Attachments:

Table 1 – Summary of Effluent Groundwater Analytical Sampling Results – 1<sup>st</sup> Quarter 2015  
Table 2a – Groundwater Extraction and Treatment System Summary of Operations - January  
Table 2b – Groundwater Extraction and Treatment System Summary of Operations - February  
Table 2c – Groundwater Extraction and Treatment System Summary of Operations - March

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

cc: Mr. Paul Cho, LARWQCB  
Mr. Nicholas Carros, DLA-E  
Mr. Stuart Strum, DLA-E  
Maj. Todd J. Morin, DLA-E  
Ms. Adriana Figueroa, City of Norwalk  
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Mr. Calvin Sung, Office of State Senator Tony Mendoza  
Mr. Norman Dupont, Richards Watson Gershon  
Mr. Gary Lynch, Park Water Company  
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Mr. Steve Defibaugh, KMI  
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Ms. Lorena Sierra, John Dolland Elementary School  
Mr. Marcos Alamillo, Office of Assemblymember Christina Garcia  
Ms. Mary Jane McIntosh, RAB Community Member  
Dr. Eugene Garcia, RAB Community Member  
Ms. Tracy Winkler, RAB Community Member

## TABLES

**TABLE 1**  
**Summary of Effluent Groundwater Analytical Sampling Results - 1st Quarter 2015**  
 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-Cl F	SM 2540 D	SM 2540 F	SM 5540 C	EPA 420.1	SM 5210 B	EPA 2000.0
Daily Discharge Limitation			--	--	--	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 Limitation			--	--	--	--	--	--	--	10 mg/L	15 µg/L	50 NTU	--	--	50 mg/L	0.1 mL/L	--	--	20 mg/L	--
Sample Date	Notes	GWETS Wells On Line	Average Flow Rate	pH	Temp-erature	TPH	MTBE	TBA	Arsenic	Oil & Grease	Copper	Turbidity	Sulfides	Residual Chlorine	Total 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/hr)	(mg/L)	(mg/L)	(mg/L)
01/14/15		GW-2, GW-13, GW-15, GW-16	9.5	7.07	19.1	<100	<0.40	<7.0	<6.0	--	--	--	--	--	--	--	--	--	--	--
02/20/15		GW-2, GW-13, GW-15, GW-16	0.3	7.0	20.5	71 J	<0.40	<7.0	<6.0	--	--	--	--	--	--	--	--	--	--	--
02/25/15		GW-2, GW-13, GW-15, GW-16	2.4	NA	NA	<100	<0.40	<7.0	<6.0	<5.0	<0.0020	<0.17	<0.027	<0.10	5.0 J	<0.100	<0.050	<0.15	<5.0	--
03/27/15		GW-2, GW-13, GW-15, GW-16	4.0	7.12	24.7	<100	<0.40	<7.0	<6.0	--	--	--	--	--	--	--	--	--	--	--

**Legend / Notes:**

GWETS = Groundwater extraction and treatment system  
 TPH = Total petroleum hydrocarbons as gasoline and diesel  
 MTBE = Methyl tertiary-butyl ether  
 TBA = tertiary-Butyl alcohol  
 MBAS = Methylene blue active substances  
 BOD = Biochemical oxygen demand  
 gpm = Gallons per minute  
 µg/L = Micrograms per liter  
 mg/L = Milligrams per liter  
 NTU = Nephelometric Turbidity Units  
 <1 = Not detected at or above the Method Detection Limit (MDL) shown.  
 -- = Not available or not analyzed  
 J = Estimated value. Analyte detected at a level less than the Method Reporting Limit (MRL) and greater than or equal to the MDL.

1 = GWETS restarted on 10/17/14 following manual shutdown on 09/26/14.  
 2 = GWETS restarted on 11/03/14 and manually shut down on 11/11/14.  
 3 = GWETS restarted.  
 4 = GWETS manually shut down.

**TABLE 2a**  
**Groundwater Extraction and Treatment System Summary of Operations - January**  
 DFSP, Norwalk  
 15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	GW-2 Totalizer Reading (gallons)	GW-13 Totalizer Reading (gallons)	GW-15 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from the North-East Area (gallons)	Groundwater Extracted from the North-West Area (gallons)	NPDES Discharge Totalizer Reading (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed <sup>A</sup> (lb)
01/01/15	Off line		3,766,331	2,497,096	1,004,483	6,547,203	7,551,685	6,263,427	71,838,315	--	9,927
01/02/15	Off line		3,766,331	2,497,096	1,004,483	6,547,203	7,551,685	6,263,427	71,838,315	--	9,927
01/03/15	Off line		3,766,331	2,497,096	1,004,483	6,547,203	7,551,685	6,263,427	71,838,315	--	9,927
01/04/15	Off line		3,766,331	2,497,096	1,004,483	6,547,203	7,551,685	6,263,427	71,838,315	--	9,927
01/05/15	Off line		3,766,331	2,497,096	1,004,483	6,547,203	7,551,685	6,263,427	71,838,315	--	9,927
01/06/15	Off line		3,766,331	2,497,096	1,004,483	6,547,203	7,551,685	6,263,427	71,838,315	--	9,927
01/07/15	Off line		3,766,331	2,497,096	1,004,483	6,547,203	7,551,685	6,263,427	71,838,315	--	9,927
01/08/15	Off line		3,766,331	2,497,096	1,004,483	6,547,203	7,551,685	6,263,427	71,838,315	--	9,927
01/09/15	Off line		3,766,331	2,497,096	1,004,483	6,547,203	7,551,685	6,263,427	71,838,315	--	9,927
01/10/15	Off line		3,766,331	2,497,096	1,004,483	6,547,203	7,551,685	6,263,427	71,838,315	--	9,927
01/11/15	Off line		3,766,331	2,497,096	1,004,483	6,547,203	7,551,685	6,263,427	71,838,315	--	9,927
01/12/15	Off line		3,766,331	2,497,096	1,004,483	6,547,203	7,551,685	6,263,427	71,838,315	--	9,927
01/13/15	Technician	1,2	3,766,331	2,497,096	1,004,483	6,547,203	7,551,685	6,263,427	71,838,315	--	9,927
01/14/15	Technician	3,4	3,771,277	2,502,171	1,006,060	6,549,063	7,555,123	6,273,448	71,848,160	4,600	9,928
01/15/15	Off line		3,771,277	2,502,171	1,006,060	6,549,063	7,555,123	6,273,448	71,848,160	--	9,928
01/16/15	Off line		3,771,277	2,502,171	1,006,060	6,549,063	7,555,123	6,273,448	71,848,160	--	9,928
01/17/15	Off line		3,771,277	2,502,171	1,006,060	6,549,063	7,555,123	6,273,448	71,848,160	--	9,928
01/18/15	Off line		3,771,277	2,502,171	1,006,060	6,549,063	7,555,123	6,273,448	71,848,160	--	9,928
01/19/15	Off line		3,771,277	2,502,171	1,006,060	6,549,063	7,555,123	6,273,448	71,848,160	--	9,928
01/20/15	Off line		3,771,277	2,502,171	1,006,060	6,549,063	7,555,123	6,273,448	71,848,160	--	9,928
01/21/15	Off line		3,771,277	2,502,171	1,006,060	6,549,063	7,555,123	6,273,448	71,848,160	--	9,928
01/22/15	Off line		3,771,277	2,502,171	1,006,060	6,549,063	7,555,123	6,273,448	71,848,160	--	9,928
01/23/15	Off line		3,771,277	2,502,171	1,006,060	6,549,063	7,555,123	6,273,448	71,848,160	--	9,928
01/24/15	Off line		3,771,277	2,502,171	1,006,060	6,549,063	7,555,123	6,273,448	71,848,160	--	9,928
01/25/15	Off line		3,771,277	2,502,171	1,006,060	6,549,063	7,555,123	6,273,448	71,848,160	--	9,928
01/26/15	Off line		3,771,277	2,502,171	1,006,060	6,549,063	7,555,123	6,273,448	71,848,160	--	9,928
01/27/15	Off line		3,771,277	2,502,171	1,006,060	6,549,063	7,555,123	6,273,448	71,848,160	--	9,928
01/28/15	Off line		3,771,277	2,502,171	1,006,060	6,549,063	7,555,123	6,273,448	71,848,160	--	9,928
01/29/15	Off line		3,771,277	2,502,171	1,006,060	6,549,063	7,555,123	6,273,448	71,848,160	--	9,928
01/30/15	Off line		3,771,277	2,502,171	1,006,060	6,549,063	7,555,123	6,273,448	71,848,160	--	9,928
01/31/15	Off line		3,771,277	2,502,171	1,006,060	6,549,063	7,555,123	6,273,448	71,848,160	--	9,928

Cumulative Groundwater Discharged by the GWETS to Date (gallons)							
Period	January	Quarter 1, 2015	Quarter 2, 2015	Quarter 3, 2015	Quarter 4, 2015	2015 to Date	April 1996 to Date
Volume	9,845	9,845	--	--	--	9,845	71,848,160

Cumulative Mass DRO Removed by the GWETS <sup>A</sup> (lb)			
Period	January	Quarter 1 to Date	April 1996 to Date
Mass	0.38	0.38	9,927.62

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

**Legend / Notes:**

- 1 = GWETS off line since manually shut down on 12/17/14.
  - 2 = GWETS restarted.
  - 3 = Collected monthly process, intermediate, and effluent water samples for laboratory analysis.
  - 4 = GWETS manually shut down for maintenance.
- GWETS = Groundwater extraction and treatment system    lb = Pounds  
 ug/L - Micrograms per liter    DRO = Diesel range organics  
 A = Hydrocarbon removal is calculated using analytical laboratory results for DRO (if not detected, half the detection limit is used) from samples collected on: 12/17/14 and 01/14/15 (laboratory reports attached).  
 -- = Not applicable  
 \* = Operational values interpolated from chart recorder data or previous monitoring event.

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

**TABLE 2b**  
**Groundwater Extraction and Treatment System Summary of Operations - February**  
 DFSP, Norwalk  
 15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	GW-2 Totalizer Reading (gallons)	GW-13 Totalizer Reading (gallons)	GW-15 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from the North-East Area (gallons)	Groundwater Extracted from the North-West Area (gallons)	NPDES Discharge Totalizer Reading (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed <sup>A</sup> (lb)
02/01/15	Off line		3,771,277	2,502,171	1,006,060	6,549,063	7,555,123	6,273,448	71,848,160	--	9,928
02/02/15	Off line		3,771,277	2,502,171	1,006,060	6,549,063	7,555,123	6,273,448	71,848,160	--	9,928
02/03/15	Off line		3,771,277	2,502,171	1,006,060	6,549,063	7,555,123	6,273,448	71,848,160	--	9,928
02/04/15	Off line		3,771,277	2,502,171	1,006,060	6,549,063	7,555,123	6,273,448	71,848,160	--	9,928
02/05/15	Off line		3,771,277	2,502,171	1,006,060	6,549,063	7,555,123	6,273,448	71,848,160	--	9,928
02/06/15	Off line		3,771,277	2,502,171	1,006,060	6,549,063	7,555,123	6,273,448	71,848,160	--	9,928
02/07/15	Off line		3,771,277	2,502,171	1,006,060	6,549,063	7,555,123	6,273,448	71,848,160	--	9,928
02/08/15	Off line		3,771,277	2,502,171	1,006,060	6,549,063	7,555,123	6,273,448	71,848,160	--	9,928
02/09/15	Off line		3,771,277	2,502,171	1,006,060	6,549,063	7,555,123	6,273,448	71,848,160	--	9,928
02/10/15	Off line		3,771,277	2,502,171	1,006,060	6,549,063	7,555,123	6,273,448	71,848,160	--	9,928
02/11/15	Technician	1	3,771,277	2,502,171	1,006,060	6,549,063	7,555,123	6,273,448	71,848,160	--	9,928
02/12/15	*		3,771,204	2,508,156	1,009,669	6,553,443	7,563,112	6,285,360	71,863,575	--	9,928
02/13/15	Technician	2	3,782,843	2,513,851	1,013,103	6,557,610	7,570,713	6,296,694	71,878,240	--	9,929
02/14/15	Off line		3,782,843	2,513,851	1,013,103	6,557,610	7,570,713	6,296,694	71,878,240	--	9,929
02/15/15	Off line		3,782,843	2,513,851	1,013,103	6,557,610	7,570,713	6,296,694	71,878,240	--	9,929
02/16/15	Off line		3,782,843	2,513,851	1,013,103	6,557,610	7,570,713	6,296,694	71,878,240	--	9,929
02/17/15	Technician	1,2	3,782,843	2,513,851	1,013,103	6,557,610	7,570,713	6,296,694	71,878,240	--	9,929
02/18/15	Off line		3,783,245	2,514,268	1,013,354	6,557,873	7,571,228	6,297,513	71,878,658	--	9,929
02/19/15	Off line		3,783,647	2,514,685	1,013,606	6,558,136	7,571,742	6,298,331	71,879,076	--	9,929
02/20/15	Technician	1,3,2	3,784,021	2,515,073	1,013,840	6,558,382	7,572,222	6,299,094	71,879,465	2,500	9,929
02/21/15	Off line		3,784,362	2,515,435	1,014,045	6,558,577	7,572,623	6,299,797	71,880,688	--	9,929
02/22/15	Off line		3,784,703	2,515,797	1,014,251	6,558,773	7,573,024	6,300,501	71,881,911	--	9,929
02/23/15	Technician	1,2	3,785,071	2,516,188	1,014,472	6,558,984	7,573,456	6,301,259	71,883,230	--	9,929
02/24/15	Off line		3,785,993	2,517,672	1,015,535	6,559,935	7,575,470	6,303,666	71,886,616	--	9,929
02/25/15	Technician	1,3	3,787,031	2,519,342	1,016,730	6,561,005	7,577,735	6,306,373	71,890,425	--	9,929
02/26/15	Technician		3,789,973	2,523,793	1,019,717	6,563,888	7,583,605	6,313,766	71,900,260	--	9,929
02/27/15	*		3,793,948	2,527,317	1,023,481	6,567,454	7,590,936	6,321,265	71,911,742	--	9,929
02/28/15	*		3,797,923	2,530,840	1,027,246	6,571,020	7,598,266	6,328,763	71,923,224	--	9,930

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	February	Quarter 1, 2015	Quarter 2, 2015	Quarter 3, 2015	Quarter 4, 2015	2015 to Date	April 1996 to Date
Volume	75,064	84,909	--	--	--	84,909	71,923,224

Cumulative Mass DRO Removed by the GWETS <sup>A</sup> (lb)			
Period	February	Quarter 1 to Date	April 1996 to Date
Mass	2.11	2.49	9,929.72

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

**Legend / Notes:**

- 1 = GWETS restarted.
- 2 = GWETS manually shut down for maintenance.
- 3 = Collected monthly process, intermediate, and effluent water samples for laboratory analysis.
- GWETS = Groundwater extraction and treatment system    lb = Pounds
- ug/L - Micrograms per liter    DRO = Diesel range organics
- A = Hydrocarbon removal is calculated using analytical laboratory results for DRO (if not detected, half the detection limit is used) from samples collected on: 01/14/15 and 02/20/15 (laboratory reports attached).
- = Not applicable
- \* = Operational values interpolated from chart recorder data or previous monitoring event.

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



**TABLE 2c**  
**Groundwater Extraction and Treatment System Summary of Operations - March**  
 DFSP, Norwalk  
 15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	GW-2 Totalizer Reading (gallons)	GW-13 Totalizer Reading (gallons)	GW-15 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from the North-East Area (gallons)	Groundwater Extracted from the North-West Area (gallons)	NPDES Discharge Totalizer Reading (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed <sup>A</sup> (lb)
03/01/15	*		3,801,898	2,534,364	1,031,010	6,574,587	7,605,597	6,336,262	71,934,706	--	9,930
03/02/15	Technician		3,805,694	2,537,728	1,034,605	6,577,992	7,612,597	6,343,422	71,945,670	--	9,930
03/03/15	*		3,809,743	2,541,282	1,037,957	6,581,537	7,619,494	6,351,025	71,957,383	--	9,930
03/04/15	Technician		3,814,088	2,545,095	1,041,554	6,585,340	7,626,894	6,359,183	71,969,950	--	9,931
03/05/15	Technician		3,818,161	2,548,631	1,044,902	6,588,955	7,633,857	6,366,792	71,979,665	--	9,931
03/06/15	*		3,822,304	2,552,084	1,048,464	6,592,470	7,640,935	6,374,387	71,990,745	--	9,931
03/07/15	*		3,826,446	2,555,536	1,052,027	6,595,985	7,648,012	6,381,983	72,001,825	--	9,931
03/08/15	*		3,830,589	2,558,989	1,055,589	6,599,501	7,655,090	6,389,578	72,012,905	--	9,932
03/09/15	*		3,834,732	2,562,441	1,059,152	6,603,016	7,662,167	6,397,173	72,023,986	--	9,932
03/10/15	*		3,838,875	2,565,894	1,062,714	6,606,531	7,669,245	6,404,768	72,035,066	--	9,932
03/11/15	Technician		3,843,262	2,569,550	1,066,487	6,610,254	7,676,741	6,412,812	72,046,800	--	9,932
03/12/15	*		3,847,488	2,573,006	1,070,100	6,613,833	7,683,933	6,420,494	72,058,398	--	9,933
03/13/15	Technician		3,851,288	2,576,115	1,073,350	6,617,052	7,690,402	6,427,403	72,068,828	--	9,933
03/14/15	*		3,854,638	2,579,600	1,077,316	6,620,760	7,698,076	6,434,239	72,080,148	--	9,933
03/15/15	*		3,857,989	2,583,086	1,081,282	6,624,469	7,705,751	6,441,075	72,091,467	--	9,933
03/16/15	Technician		3,861,037	2,586,258	1,084,890	6,627,843	7,712,733	6,447,295	72,101,765	--	9,933
03/17/15	*		3,864,904	2,588,455	1,086,283	6,631,489	7,717,773	6,453,359	72,109,353	--	9,934
03/18/15	*		3,868,770	2,590,653	1,087,677	6,635,136	7,722,813	6,459,423	72,116,941	--	9,934
03/19/15	Technician	1	3,872,650	2,592,859	1,089,075	6,638,796	7,727,871	6,465,509	72,124,555	--	9,934
03/20/15	*		3,876,681	2,595,820	1,089,075	6,640,639	7,729,714	6,472,501	72,130,363	--	9,934
03/21/15	*		3,880,712	2,598,781	1,089,075	6,642,482	7,731,557	6,479,493	72,136,172	--	9,934
03/22/15	*		3,884,743	2,601,743	1,089,075	6,644,325	7,733,400	6,486,485	72,141,980	--	9,934
03/23/15	*		3,888,774	2,604,704	1,089,075	6,646,168	7,735,243	6,493,477	72,147,789	--	9,934
03/24/15	*		3,892,804	2,607,665	1,089,075	6,648,011	7,737,086	6,500,469	72,153,597	--	9,935
03/25/15	*	2	3,896,835	2,610,626	1,089,075	6,649,854	7,738,929	6,507,461	72,159,406	--	9,935
03/26/15	*		3,900,866	2,613,587	1,089,075	6,651,697	7,740,772	6,514,454	72,165,214	--	9,935
03/27/15	Technician	3,4	3,905,065	2,616,672	1,089,075	6,653,617	7,742,692	6,521,737	72,171,265	620	9,935
03/28/15	*		3,905,607	2,617,062	1,089,319	6,654,107	7,743,426	6,522,669	72,172,734	--	9,935
03/29/15	*		3,906,149	2,617,452	1,089,562	6,654,597	7,744,159	6,523,601	72,174,203	--	9,935
03/30/15	Technician		3,906,650	2,617,812	1,089,787	6,655,050	7,744,837	6,524,462	72,175,560	--	9,935
03/31/15	*		3,909,251	2,619,658	1,091,060	6,657,514	7,748,575	6,528,909	72,181,142	--	9,935

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	March	Quarter 1, 2015	Quarter 2, 2015	Quarter 3, 2015	Quarter 4, 2015	2015 to Date	April 1996 to Date
Volume	257,917	342,827	--	--	--	342,827	72,181,142

Cumulative Mass DRO Removed by the GWETS <sup>A</sup> (lb)			
Period	March	Quarter 1 to Date	April 1996 to Date
Mass	5.13	7.62	9,934.86

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

**Legend / Notes:**

- 1 = GW-15 off line on arrival.
- 2 = GW-16 off line.
- 3 = GW-15 and GW-16 restarted.
- 4 = Collected monthly process, intermediate, and effluent water samples for laboratory analysis.

GWETS = Groundwater extraction and treatment system lb = Pounds  
 ug/L - Micrograms per liter DRO = Diesel range organics  
 A = Hydrocarbon removal is calculated using analytical laboratory results for DRO (if not detected, half the detection limit is used) from samples collected on: 02/20/15 and 03/27/15 (laboratory reports attached).  
 -- = Not applicable  
 \* = Operational values interpolated from chart recorder data or previous monitoring event.

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

**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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January 22, 2015

Neil Irish

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

**Re : DFSP Norwalk GWETS NPDES Monthly / 04-NDLA-001  
A5331211 / 5A14005**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 01/14/15 14:46 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-001  
**Project Name:** DFSP Norwalk GWETS NPDES Monthly

**AA Project No:** A5331211  
**Date Received:** 01/14/15  
**Date Reported:** 01/22/15

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

Effluent	5A14005-01	Water	5	01/14/15 10:45	01/14/15 14:46
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**Arsenic Total EPA 200.7**

Effluent	5A14005-01	Water	5	01/14/15 10:45	01/14/15 14:46
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**Diesel Range Organics 8015M**

Effluent	5A14005-01	Water	5	01/14/15 10:45	01/14/15 14:46
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**Viorel Vasile**  
Operations Manager

**LABORATORY ANALYSIS RESULTS**

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

**AA Project No:** A5331211  
**Date Received:** 01/14/15  
**Date Reported:** 01/22/15  
**Units:** ug/L

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<b>Date Sampled:</b>	01/14/15		
<b>Date Prepared:</b>	01/21/15		
<b>Date Analyzed:</b>	01/21/15		
<b>AA ID No:</b>	5A14005-01		
<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	93%	70-140	
Dibromofluoromethane	87%	70-140	
Toluene-d8	100%	70-140	

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**Viorel Vasile**  
Operations Manager

**LABORATORY ANALYSIS RESULTS**

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

**AA Project No:** A5331211  
**Date Received:** 01/14/15  
**Date Reported:** 01/22/15  
**Units:** ug/L

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<b>Date Sampled:</b>	01/14/15		
<b>Date Prepared:</b>	01/15/15		
<b>Date Analyzed:</b>	01/22/15		
<b>AA ID No:</b>	5A14005-01		
<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	91%	<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-001  
**Project Name:** DFSP Norwalk GWETS NPDES Monthly  
**Method:** Total Metals by ICP Atomic Emission Spectroscopy

**AA Project No:** A5331211  
**Date Received:** 01/14/15  
**Date Reported:** 01/22/15

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>									
5A14005-01	Effluent	01/14/15	01/16/15	01/16/15	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-001  
**Project Name:** DFSP Norwalk GWETS NPDES Monthly

**AA Project No:** A5331211  
**Date Received:** 01/14/15  
**Date Reported:** 01/22/15

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

Batch B5A2112 - EPA 5030B

##### Blank (B5A2112-BLK1)

Prepared & Analyzed: 01/21/15

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

Surrogate: 4-Bromofluorobenzene	45.6		ug/L	50	91.3	70-140
Surrogate: Dibromofluoromethane	41.6		ug/L	50	83.3	70-140
Surrogate: Toluene-d8	51.0		ug/L	50	102	70-140

##### LCS (B5A2112-BS1)

Prepared: 01/21/15 Analyzed: 01/22/15

Benzene	19.8	0.20	ug/L	20	99.0	75-125
Ethylbenzene	21.6	0.20	ug/L	20	108	75-125
Methyl-tert-Butyl Ether (MTBE)	18.4	0.40	ug/L	20	92.0	70-135
Toluene	21.4	0.30	ug/L	20	107	75-125
o-Xylene	19.7	0.30	ug/L	20	98.4	75-125

Surrogate: 4-Bromofluorobenzene	47.8		ug/L	50	95.6	70-140
Surrogate: Dibromofluoromethane	46.4		ug/L	50	92.7	70-140
Surrogate: Toluene-d8	51.2		ug/L	50	102	70-140

##### Matrix Spike (B5A2112-MS1)

Source: 5A20005-04 Prepared & Analyzed: 01/21/15

Benzene	19.8	0.20	ug/L	20	99.2	70-130
Ethylbenzene	21.7	0.20	ug/L	20	108	70-130
Methyl-tert-Butyl Ether (MTBE)	17.7	0.40	ug/L	20	88.6	70-130
Toluene	21.1	0.30	ug/L	20	105	70-130

Surrogate: 4-Bromofluorobenzene	47.7		ug/L	50	95.5	70-140
Surrogate: Dibromofluoromethane	45.8		ug/L	50	91.6	70-140

**Viorel Vasile**  
Operations Manager





### LABORATORY ANALYSIS RESULTS

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

**AA Project No:** A5331211  
**Date Received:** 01/14/15  
**Date Reported:** 01/22/15

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

Batch B5A2112 - EPA 5030B

**Matrix Spike (B5A2112-MS1) Continued Source: 5A20005-04** Prepared & Analyzed: 01/21/15

Surrogate: Toluene-d8	50.8		ug/L	50		102	70-140			
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**Matrix Spike Dup (B5A2112-MSD1) Source: 5A20005-04** Prepared & Analyzed: 01/21/15

Benzene	20.5	0.20	ug/L	20		103	70-130	3.47	30	
Ethylbenzene	20.5	0.20	ug/L	20		102	70-130	5.55	30	
Methyl-tert-Butyl Ether (MTBE)	19.6	0.40	ug/L	20		98.2	70-130	10.2	30	
Toluene	20.4	0.30	ug/L	20		102	70-130	3.04	30	

Surrogate: 4-Bromofluorobenzene	47.5		ug/L	50		94.9	70-140			
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Surrogate: Dibromofluoromethane	48.0		ug/L	50		96.1	70-140			
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Surrogate: Toluene-d8	49.6		ug/L	50		99.2	70-140			
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#### Diesel Range Organics by GC/FID - Quality Control

Batch B5A1501 - EPA 3510C

**Blank (B5A1501-BLK1)** Prepared: 01/15/15 Analyzed: 01/16/15

Diesel Range Organics as Diesel	<60	60	ug/L							
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Surrogate: o-Terphenyl	40.7		ug/L	40		102	50-150			
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**LCS (B5A1501-BS1)** Prepared: 01/15/15 Analyzed: 01/16/15

Diesel Range Organics as Diesel	781	60	ug/L	800		97.7	75-125		30	
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Surrogate: o-Terphenyl	55.1		ug/L	40		138	50-150			
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**LCS Dup (B5A1501-BSD1)** Prepared: 01/15/15 Analyzed: 01/16/15

Diesel Range Organics as Diesel	720	60	ug/L	800		90.0	75-125	8.17	30	
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Surrogate: o-Terphenyl	51.7		ug/L	40		129	50-150			
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#### Total Metals by ICP Atomic Emission Spectroscopy - Quality Control

Batch B5A1601 - EPA 3010A

**Blank (B5A1601-BLK1)** Prepared & Analyzed: 01/16/15

Arsenic	<0.0060	0.0060	mg/L							
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**LCS (B5A1601-BS1)** Prepared & Analyzed: 01/16/15

Arsenic	0.194	0.0060	mg/L	0.20		97.2	80-120		20	
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**LCS Dup (B5A1601-BSD1)** Prepared & Analyzed: 01/16/15

Arsenic	0.211	0.0060	mg/L	0.20		105	80-120	7.95	20	
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**Viorel Vasile**  
Operations Manager



### LABORATORY ANALYSIS RESULTS

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

**AA Project No:** A5331211  
**Date Received:** 01/14/15  
**Date Reported:** 01/22/15

Analyte	Reporting Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Total Metals by ICP Atomic Emission Spectroscopy - Quality Control</b>										
<i>Batch B5A1601 - EPA 3010A</i>										
<b>Duplicate (B5A1601-DUP1) Source: 5A14005-01 Prepared &amp; Analyzed: 01/16/15</b>										
Arsenic	<0.0060	0.0060	mg/L	<0.0070					30	
<b>Matrix Spike (B5A1601-MS1) Source: 5A14006-04 Prepared &amp; Analyzed: 01/16/15</b>										
Arsenic	0.205	0.0060	mg/L	0.20	0.00710	99.0	75-125		20	
<b>Matrix Spike Dup (B5A1601-MSD1) Source: 5A14006-04 Prepared &amp; Analyzed: 01/16/15</b>										
Arsenic	0.220	0.0060	mg/L	0.20	0.00710	106	75-125	6.78	20	

**Viorel Vasile**  
Operations Manager



## LABORATORY ANALYSIS RESULTS

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

**AA Project No:** A5331211  
**Date Received:** 01/14/15  
**Date Reported:** 01/22/15

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### Special Notes

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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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March 03, 2015

Neil Irish

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

**Re : DFSP Norwalk GWETS NPDES Monthly / 04-NDLA-001  
A5331245 / 5B20008**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 02/20/15 12:26 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile  
Operations Manager



## LABORATORY ANALYSIS RESULTS

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

**AA Project No:** A5331245  
**Date Received:** 02/20/15  
**Date Reported:** 03/03/15

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

Effluent	5B20008-01	Water	5	02/20/15 09:55	02/20/15 12:26
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**Arsenic Total EPA 200.7**

Effluent	5B20008-01	Water	5	02/20/15 09:55	02/20/15 12:26
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**Diesel Range Organics 8015M**

Effluent	5B20008-01	Water	5	02/20/15 09:55	02/20/15 12:26
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**Viorel Vasile**  
Operations Manager

**LABORATORY ANALYSIS RESULTS**

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

**AA Project No:** A5331245  
**Date Received:** 02/20/15  
**Date Reported:** 03/03/15  
**Units:** ug/L

---

<b>Date Sampled:</b>	02/20/15		
<b>Date Prepared:</b>	02/24/15		
<b>Date Analyzed:</b>	02/24/15		
<b>AA ID No:</b>	5B20008-01		
<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

---

**Surrogates**

		<b><u>%REC Limits</u></b>	
4-Bromofluorobenzene	101%	70-140	
Dibromofluoromethane	86%	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-001  
**Project Name:** DFSP Norwalk GWETS NPDES Monthly  
**Method:** Diesel Range Organics by GC/FID

**AA Project No:** A5331245  
**Date Received:** 02/20/15  
**Date Reported:** 03/03/15  
**Units:** ug/L

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<b>Date Sampled:</b>	02/20/15		
<b>Date Prepared:</b>	02/25/15		
<b>Date Analyzed:</b>	02/26/15		
<b>AA ID No:</b>	5B20008-01		
<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>71 J</b>	60	100
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**Surrogates**

o-Terphenyl	110%	<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-001  
**Project Name:** DFSP Norwalk GWETS NPDES Monthly  
**Method:** Total Metals by ICP Atomic Emission Spectroscopy

**AA Project No:** A5331245  
**Date Received:** 02/20/15  
**Date Reported:** 03/03/15

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>									
5B20008-01	Effluent	02/20/15	02/24/15	02/27/15	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-001  
**Project Name:** DFSP Norwalk GWETS NPDES Monthly

**AA Project No:** A5331245  
**Date Received:** 02/20/15  
**Date Reported:** 03/03/15

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

Batch B5B2408 - EPA 5030B

##### Blank (B5B2408-BLK1)

Prepared & Analyzed: 02/24/15

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

Surrogate: 4-Bromofluorobenzene	55.6		ug/L	50	111	70-140
Surrogate: Dibromofluoromethane	43.0		ug/L	50	85.9	70-140
Surrogate: Toluene-d8	55.8		ug/L	50	112	70-140

##### LCS (B5B2408-BS1)

Prepared: 02/24/15 Analyzed: 02/25/15

Benzene	22.5	0.20	ug/L	20	113	75-125
Ethylbenzene	21.6	0.20	ug/L	20	108	75-125
Methyl-tert-Butyl Ether (MTBE)	20.7	0.40	ug/L	20	104	70-135
Toluene	22.8	0.30	ug/L	20	114	75-125
o-Xylene	18.5	0.30	ug/L	20	92.4	75-125

Surrogate: 4-Bromofluorobenzene	55.2		ug/L	50	110	70-140
Surrogate: Dibromofluoromethane	45.3		ug/L	50	90.6	70-140
Surrogate: Toluene-d8	55.6		ug/L	50	111	70-140

##### Matrix Spike (B5B2408-MS1)

Source: 5B20005-03 Prepared & Analyzed: 02/24/15

Benzene	22.0	0.20	ug/L	20	110	70-130
Ethylbenzene	21.7	0.20	ug/L	20	108	70-130
Methyl-tert-Butyl Ether (MTBE)	20.6	0.40	ug/L	20	103	70-130
Toluene	22.9	0.30	ug/L	20	114	70-130

Surrogate: 4-Bromofluorobenzene	55.2		ug/L	50	110	70-140
Surrogate: Dibromofluoromethane	43.9		ug/L	50	87.8	70-140

**Viorel Vasile**  
Operations Manager



### LABORATORY ANALYSIS RESULTS

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

**AA Project No:** A5331245  
**Date Received:** 02/20/15  
**Date Reported:** 03/03/15

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

Batch B5B2408 - EPA 5030B

**Matrix Spike (B5B2408-MS1) Continued Source: 5B20005-03** Prepared & Analyzed: 02/24/15

Surrogate: Toluene-d8	54.5		ug/L	50		109	70-140			
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**Matrix Spike Dup (B5B2408-MSD1) Source: 5B20005-03** Prepared & Analyzed: 02/24/15

Benzene	22.1	0.20	ug/L	20		110	70-130	0.318	30	
Ethylbenzene	22.0	0.20	ug/L	20		110	70-130	1.60	30	
Methyl-tert-Butyl Ether (MTBE)	20.0	0.40	ug/L	20		99.8	70-130	3.35	30	
Toluene	22.9	0.30	ug/L	20		114	70-130	0.00	30	

Surrogate: 4-Bromofluorobenzene	58.4		ug/L	50		117	70-140			
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Surrogate: Dibromofluoromethane	42.6		ug/L	50		85.2	70-140			
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Surrogate: Toluene-d8	53.8		ug/L	50		108	70-140			
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#### Diesel Range Organics by GC/FID - Quality Control

Batch B5B2502 - EPA 3510C

**Blank (B5B2502-BLK1)** Prepared: 02/25/15 Analyzed: 02/26/15

Diesel Range Organics as Diesel	<60	60	ug/L							
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Surrogate: o-Terphenyl	52.9		ug/L	40		132	50-150			
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**LCS (B5B2502-BS1)** Prepared: 02/25/15 Analyzed: 02/26/15

Diesel Range Organics as Diesel	739	60	ug/L	800		92.4	75-125		30	
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Surrogate: o-Terphenyl	57.9		ug/L	40		145	50-150			
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**LCS Dup (B5B2502-BSD1)** Prepared: 02/25/15 Analyzed: 02/26/15

Diesel Range Organics as Diesel	674	60	ug/L	800		84.3	75-125	9.17	30	
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Surrogate: o-Terphenyl	47.1		ug/L	40		118	50-150			
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#### Total Metals by ICP Atomic Emission Spectroscopy - Quality Control

Batch B5B2417 - EPA 3010A

**Blank (B5B2417-BLK1)** Prepared: 02/24/15 Analyzed: 02/27/15

Arsenic	<0.0060	0.0060	mg/L							
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**LCS (B5B2417-BS1)** Prepared: 02/24/15 Analyzed: 02/27/15

Arsenic	0.210	0.0060	mg/L	0.20		105	80-120		20	
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**LCS Dup (B5B2417-BSD1)** Prepared: 02/24/15 Analyzed: 02/27/15

Arsenic	0.210	0.0060	mg/L	0.20		105	80-120	0.00	20	
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**Viorel Vasile**  
Operations Manager

**LABORATORY ANALYSIS RESULTS**

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

**AA Project No:** A5331245  
**Date Received:** 02/20/15  
**Date Reported:** 03/03/15

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Total Metals by ICP Atomic Emission Spectroscopy - Quality Control</b>										
<i>Batch B5B2417 - EPA 3010A</i>										
<b>Matrix Spike (B5B2417-MS1) Source: 5B20009-04 Prepared: 02/24/15 Analyzed: 02/27/15</b>										
Arsenic	0.233	0.0060	mg/L	0.20	116	75-125			20	
<b>Matrix Spike Dup (B5B2417-MSD1) Source: 5B20009-04 Prepared: 02/24/15 Analyzed: 02/27/15</b>										
Arsenic	0.240	0.0060	mg/L	0.20	120	75-125	2.96		20	

**Viorel Vasile**  
Operations Manager



## LABORATORY ANALYSIS RESULTS

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

**AA Project No:** A5331245  
**Date Received:** 02/20/15  
**Date Reported:** 03/03/15

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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



# AMERICAN ANALYTICALS CHAIN-OF-CUSTODY RECORD

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

121901

Page 1 of 1

Client: The Source Group, Inc.  
Project Name / No.: DFSP - Norwalk / 04-SDLA / Monthly NPDES Sampler's Name: Glenn Androsko  
Project Manager: Neil Irish Site Address: 15306 Norwalk Blvd Sampler's Signature: *Glenn Androsko*  
Phone: 562-597-1055 City: Norwalk P.O. No.: 04-NDLA-001  
Fax: 569-597-1070 State & Zip: CA 90650 Quote No.:

### TAT Turnaround Codes \*\*

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

### ANALYSIS REQUESTED (Test Name)

Client I.D.	Date	Time	Sample Matrix	No. of Cont.	Special Instructions
Effluent	2-20-15	0955	Water	5	Report J-Flags

TAT Turnaround Codes \*\* below

TPHD 8015M    ✓  
TPH9/MTBE/TBA 8200B    ✓  
Arsenic 200.7    ✓

**REVIEWED**  
Date: 2/21/15 Time: 1:30  
TAT: N Days sign: *[Signature]*

Relinquished by	Date	Time	Received by	Time
<i>Glenn Androsko</i>	2-20-15	1040	<i>[Signature]</i>	
<i>[Signature]</i>	2/20/15	1126	<i>[Signature]</i>	
<i>[Signature]</i>			<i>[Signature]</i>	

AS331245 / 5820028

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



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

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March 10, 2015

Neil Irish

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

**Re : DFSP Norwalk GWETS NPDES Quarterly / 04-NDLA-001  
A5331254 / 5B25005**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 02/25/15 15:05 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile  
Operations Manager



## LABORATORY ANALYSIS RESULTS

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

**AA Project No:** A5331254  
**Date Received:** 02/25/15  
**Date Reported:** 03/10/15

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

Effluent	5B25005-01	Water	5	02/25/15 13:00	02/25/15 15:05
Effluent-Dup	5B25005-02	Water	5	02/25/15 13:02	02/25/15 15:05

**Arsenic Total EPA 200.7**

Effluent	5B25005-01	Water	5	02/25/15 13:00	02/25/15 15:05
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**BOD SM5210B**

Effluent	5B25005-01	Water	5	02/25/15 13:00	02/25/15 15:05
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**Chlorine Residual SM 4500 Cl G**

Effluent	5B25005-01	Water	5	02/25/15 13:00	02/25/15 15:05
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**Copper Total EPA 200.7**

Effluent	5B25005-01	Water	5	02/25/15 13:00	02/25/15 15:05
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**Diesel Range Organics 8015M**

Effluent	5B25005-01	Water	5	02/25/15 13:00	02/25/15 15:05
Effluent-Dup	5B25005-02	Water	5	02/25/15 13:02	02/25/15 15:05

**HEM Oil and Grease 1664**

Effluent	5B25005-01	Water	5	02/25/15 13:00	02/25/15 15:05
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**Viorel Vasile**  
Operations Manager



**LABORATORY ANALYSIS RESULTS**

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

**AA Project No:** A5331254  
**Date Received:** 02/25/15  
**Date Reported:** 03/10/15

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
<b><u>MBAS SM5540C</u></b>					
Effluent	5B25005-01	Water	5	02/25/15 13:00	02/25/15 15:05
<b><u>Phenols 420.1</u></b>					
Effluent	5B25005-01	Water	5	02/25/15 13:00	02/25/15 15:05
<b><u>SS SM2540F</u></b>					
Effluent	5B25005-01	Water	5	02/25/15 13:00	02/25/15 15:05
<b><u>Sulfide SM4500-S=D</u></b>					
Effluent	5B25005-01	Water	5	02/25/15 13:00	02/25/15 15:05
<b><u>TDS SM2540C</u></b>					
Effluent	5B25005-01	Water	5	02/25/15 13:00	02/25/15 15:05
<b><u>TSS SM2540D</u></b>					
Effluent	5B25005-01	Water	5	02/25/15 13:00	02/25/15 15:05
<b><u>Turbidity 180.1</u></b>					
Effluent	5B25005-01	Water	5	02/25/15 13:00	02/25/15 15:05

**Viorel Vasile**  
Operations Manager

**LABORATORY ANALYSIS RESULTS**

**Client:** The Source Group, Inc. (SH)  
**Project No:** 04-NDLA-001  
**Project Name:** DFSP Norwalk GWETS NPDES Quarterly  
**Method:** General Chemistry Analyses

**AA Project No:** A5331254  
**Date Received:** 02/25/15  
**Date Reported:** 03/10/15

<b>AA I.D. No.</b>	<b>Client I.D. No.</b>	<b>Sampled</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Dilution</b>	<b>Result</b>	<b>Units</b>	<b>MDL</b>	<b>MRL</b>
<b><u>BOD SM5210B (SM5210B) *</u></b>									
5B25005-01	Effluent	02/25/15	02/26/15	03/03/15	1	<5.0	mg/L	5	5
<b><u>Chlorine Residual SM 4500 Cl G (EPA 330.3)</u></b>									
5B25005-01	Effluent	02/25/15	02/25/15	02/25/15	1	<0.10	mg/L	0.1	0.5
<b><u>HEM Oil and Grease 1664 (EPA 1664)</u></b>									
5B25005-01	Effluent	02/25/15	03/05/15	03/10/15	1	<5.0	mg/L	5	10
<b><u>MBAS SM5540C (SM5540C) *</u></b>									
5B25005-01	Effluent	02/25/15	02/26/15	02/26/15	1	<0.050	mg/L	0.05	0.05
<b><u>Phenols 420.1 (EPA 420.1) *</u></b>									
5B25005-01	Effluent	02/25/15	02/27/15	02/27/15	1	<0.15	mg/L	0.15	0.3
<b><u>SS SM2540F (SM2540F)</u></b>									
5B25005-01	Effluent	02/25/15	02/26/15	02/26/15	1	<0.100	mL/L	0.1	0.1
<b><u>Sulfide SM4500-S=D (SM4500-S=D)</u></b>									
5B25005-01	Effluent	02/25/15	02/26/15	02/26/15	1	<0.027	mg/L	0.027	0.05
<b><u>TDS SM2540C (SM2540C)</u></b>									
5B25005-01	Effluent	02/25/15	02/27/15	03/02/15	10	<b>1600</b>	mg/L	6.2	10
<b><u>TSS SM2540D (SM2540D)</u></b>									
5B25005-01	Effluent	02/25/15	02/27/15	02/27/15	1	<b>5.0J</b>	mg/L	5	10
<b><u>Turbidity 180.1 (EPA 180.1)</u></b>									
5B25005-01	Effluent	02/25/15	02/26/15	02/26/15	1	<0.17	NTU	0.168	1

**Viorel Vasile**  
Operations Manager



**LABORATORY ANALYSIS RESULTS**

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

**AA Project No:** A5331254  
**Date Received:** 02/25/15  
**Date Reported:** 03/10/15  
**Units:** ug/L

<b>Date Sampled:</b>	02/25/15	02/25/15		
<b>Date Prepared:</b>	02/27/15	02/27/15		
<b>Date Analyzed:</b>	02/27/15	02/27/15		
<b>AA ID No:</b>	5B25005-01	5B25005-02		
<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	<b>0.40 J</b>	<0.40	0.40	1.0

**Surrogates**

			<b>%REC Limits</b>
4-Bromofluorobenzene	102%	104%	70-140
Dibromofluoromethane	81%	82%	70-140
Toluene-d8	109%	110%	70-140

**Viorel Vasile**  
Operations Manager

**LABORATORY ANALYSIS RESULTS**

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

**AA Project No:** A5331254  
**Date Received:** 02/25/15  
**Date Reported:** 03/10/15  
**Units:** ug/L

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<b>Date Sampled:</b>	02/25/15	02/25/15		
<b>Date Prepared:</b>	03/05/15	03/05/15		
<b>Date Analyzed:</b>	03/05/15	03/05/15		
<b>AA ID No:</b>	5B25005-01	5B25005-02		
<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	75%	101%	<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-001  
**Project Name:** DFSP Norwalk GWETS NPDES Quarterly  
**Method:** Total Metals by ICP Atomic Emission Spectroscopy

**AA Project No:** A5331254  
**Date Received:** 02/25/15  
**Date Reported:** 03/10/15

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>									
5B25005-01	Effluent	02/25/15	02/27/15	02/27/15	1	<0.0060	mg/L	0.006	0.007
<b><u>Copper Total EPA 200.7 (EPA 200.7)</u></b>									
5B25005-01	Effluent	02/25/15	02/27/15	02/27/15	1	<0.0020	mg/L	0.002	0.002

**Viorel Vasile**  
Operations Manager



### LABORATORY ANALYSIS RESULTS

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

**AA Project No:** A5331254  
**Date Received:** 02/25/15  
**Date Reported:** 03/10/15

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

Batch B5B2516 - NO PREP

**Blank (B5B2516-BLK1)**

Prepared & Analyzed: 02/25/15

Chlorine Residual <0.10 0.10 mg/L

**LCS (B5B2516-BS1)**

Prepared & Analyzed: 02/25/15

Chlorine Residual **0.810** 0.10 mg/L 1.0 81.0 80-120

**LCS Dup (B5B2516-BSD1)**

Prepared & Analyzed: 02/25/15

Chlorine Residual **0.820** 0.10 mg/L 1.0 82.0 80-120 1.23 20

**Duplicate (B5B2516-DUP1)**

**Source: 5B25005-01** Prepared: 02/25/15 Analyzed: 02/26/15

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

Batch B5B2606 - NO PREP

**Blank (B5B2606-BLK1)**

Prepared & Analyzed: 02/26/15

Total Settleable Solids <0.100 0.100 mL/L

Batch B5B2607 - NO PREP

**Blank (B5B2607-BLK1)**

Prepared & Analyzed: 02/26/15

Sulfide <0.027 0.027 mg/L

**LCS (B5B2607-BS1)**

Prepared & Analyzed: 02/26/15

Sulfide **0.468** 0.027 mg/L 0.50 93.6 80-120 25

**LCS Dup (B5B2607-BSD1)**

Prepared & Analyzed: 02/26/15

Sulfide **0.489** 0.027 mg/L 0.50 97.8 80-120 4.39 25

**Duplicate (B5B2607-DUP1)**

**Source: 5B23004-01** Prepared: 02/26/15 Analyzed: 03/09/15

Sulfide **<0.027** 0.027 mg/L 25

**Matrix Spike (B5B2607-MS1)**

**Source: 5B25005-01** Prepared & Analyzed: 02/26/15

Sulfide **0.494** 0.027 mg/L 0.50 <0.050 98.8 75-125 25

**Matrix Spike Dup (B5B2607-MSD1)**

**Source: 5B25005-01** Prepared & Analyzed: 02/26/15

Sulfide **0.478** 0.027 mg/L 0.50 <0.050 95.6 75-125 3.29 25

Batch B5B2608 - NO PREP

**Blank (B5B2608-BLK1)**

Prepared & Analyzed: 02/26/15

Turbidity <0.17 0.17 NTU

**Duplicate (B5B2608-DUP1)**

**Source: 5B25005-01** Prepared & Analyzed: 02/26/15

Turbidity **<0.17** 0.17 NTU <1.0 20

Batch B5B2706 - NO PREP

**Viorel Vasile**  
Operations Manager



**LABORATORY ANALYSIS RESULTS**

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

**AA Project No:** A5331254  
**Date Received:** 02/25/15  
**Date Reported:** 03/10/15

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 B5B2706 - NO PREP*

<b>Blank (B5B2706-BLK1)</b>										Prepared: 02/27/15 Analyzed: 03/02/15
Total Dissolved Solids	<6.2	6.2	mg/L							
<b>LCS (B5B2706-BS1)</b>										Prepared: 02/27/15 Analyzed: 03/02/15
Total Dissolved Solids	<b>50.0</b>	6.2	mg/L	50		100	80-120			
<b>LCS Dup (B5B2706-BSD1)</b>										Prepared: 02/27/15 Analyzed: 03/02/15
Total Dissolved Solids	<b>46.0</b>	6.2	mg/L	50		92.0	80-120	8.33	25	
<b>Duplicate (B5B2706-DUP1)</b>										<b>Source: 5B26005-02</b> Prepared: 02/27/15 Analyzed: 03/02/15
Total Dissolved Solids	<b>2500</b>	62	mg/L		2390			4.50	20	

*Batch B5C0202 - NO PREP*

<b>Blank (B5C0202-BLK1)</b>										Prepared & Analyzed: 02/27/15
Total Suspended Solids	<5.0	5.0	mg/L							
<b>LCS (B5C0202-BS1)</b>										Prepared & Analyzed: 02/27/15
Total Suspended Solids	<b>55.0</b>	5.0	mg/L	50		110	80-120			
<b>LCS Dup (B5C0202-BSD1)</b>										Prepared & Analyzed: 02/27/15
Total Suspended Solids	<b>51.0</b>	5.0	mg/L	50		102	80-120	7.55	20	
<b>Duplicate (B5C0202-DUP1)</b>										<b>Source: 5B23004-01</b> Prepared & Analyzed: 02/27/15
Total Suspended Solids	<b>39.0</b>	5.0	mg/L		37.8			3.13	20	

*Batch B5C0512 - NO PREP*

<b>Blank (B5C0512-BLK1)</b>										Prepared: 03/05/15 Analyzed: 03/10/15
HEM (Oil and Grease)	<5.0	5.0	mg/L							
<b>LCS (B5C0512-BS1)</b>										Prepared: 03/05/15 Analyzed: 03/10/15
HEM (Oil and Grease)	<b>30.7</b>	5.0	mg/L	40		76.8	75-125			
<b>LCS Dup (B5C0512-BSD1)</b>										Prepared: 03/05/15 Analyzed: 03/10/15
HEM (Oil and Grease)	<b>33.6</b>	5.0	mg/L	40		84.0	75-125	9.02	30	

*Batch B5C1011 - \*\*\* DEFAULT PREP \*\*\**

<b>Blank (B5C1011-BLK1)</b>										Prepared: 02/26/15 Analyzed: 03/03/15	*
Biochemical Oxygen Demand	<5.0	5.0	mg/L								
<b>LCS (B5C1011-BS1)</b>										Prepared: 02/26/15 Analyzed: 03/03/15	*
Biochemical Oxygen Demand	<b>161</b>	5.0	mg/L	200		81.5	80-120		20		
<b>Duplicate (B5C1011-DUP1)</b>										<b>Source: 5B25005-01</b> Prepared: 02/26/15 Analyzed: 03/03/15	*

**Viorel Vasile**  
 Operations Manager



LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331254
Date Received: 02/25/15
Date Reported: 03/10/15

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

General Chemistry Analyses - Quality Control

Batch B5C1011 - \*\*\* DEFAULT PREP \*\*\*

Table row: Duplicate (B5C1011-DUP1) Continued Source: 5B25005-01 Prepared: 02/26/15 Analyzed: 03/03/15 Biochemical Oxygen Demand <5.0 5.0 mg/L <5.0 15 \*

Batch B5C1012 - NO PREP

Table row: Blank (B5C1012-BLK1) Prepared & Analyzed: 02/27/15 \*

Table row: Phenolics <0.15 0.15 mg/L \*

Table row: LCS (B5C1012-BS1) Prepared & Analyzed: 02/27/15 \*

Table row: Phenolics 0.480 0.15 mg/L 0.50 96.0 80-120 15 \*

Table row: LCS Dup (B5C1012-BSD1) Prepared & Analyzed: 02/27/15 \*

Table row: Phenolics 0.462 0.15 mg/L 0.50 92.4 80-120 3.82 15 \*

Batch B5C1013 - NO PREP

Table row: Blank (B5C1013-BLK1) Prepared & Analyzed: 02/26/15 \*

Table row: Methylene Blue Active Substances <0.050 0.050 mg/L \*

Table row: LCS (B5C1013-BS1) Prepared & Analyzed: 02/26/15 \*

Table row: Methylene Blue Active Substances 0.455 0.050 mg/L 0.50 91.0 75-125 15 \*

Table row: LCS Dup (B5C1013-BSD1) Prepared & Analyzed: 02/26/15 \*

Table row: Methylene Blue Active Substances 0.452 0.050 mg/L 0.50 90.4 75-125 0.662 15 \*

Table row: Matrix Spike (B5C1013-MS1) Source: 5B25005-01 Prepared & Analyzed: 02/26/15 \*

Table row: Methylene Blue Active Substances 0.435 0.050 mg/L 0.50 <0.050 87.0 75-125 15 \*

Table row: Matrix Spike Dup (B5C1013-MSD1) Source: 5B25005-01 Prepared & Analyzed: 02/26/15 \*

Table row: Methylene Blue Active Substances 0.444 0.050 mg/L 0.50 <0.050 88.8 75-125 2.05 15 \*

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

Batch B5B2704 - EPA 5030B

Table row: Blank (B5B2704-BLK1) Prepared & Analyzed: 02/27/15

Table row: tert-Amyl Methyl Ether (TAME) <0.30 0.30 ug/L

Table row: Benzene <0.20 0.20 ug/L

Table row: tert-Butyl alcohol (TBA) <7.0 7.0 ug/L

Table row: Diisopropyl ether (DIPE) <0.50 0.50 ug/L

Table row: Ethylbenzene <0.20 0.20 ug/L

Table row: Ethyl-tert-Butyl Ether (ETBE) <0.40 0.40 ug/L

Table row: Gasoline Range Organics (GRO) <40 40 ug/L

Handwritten signature

Viorel Vasile
Operations Manager



**LABORATORY ANALYSIS RESULTS**

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

**AA Project No:** A5331254  
**Date Received:** 02/25/15  
**Date Reported:** 03/10/15

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Notes
<b>TPHG/BTEX/Oxygenates by GC/MS - Quality Control</b>										
<i>Batch B5B2704 - EPA 5030B</i>										
<b>Blank (B5B2704-BLK1) Continued</b> Prepared & Analyzed: 02/27/15										
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							
<i>Surrogate: 4-Bromofluorobenzene</i>	53.2		ug/L	50		106	70-140			
<i>Surrogate: Dibromofluoromethane</i>	41.7		ug/L	50		83.4	70-140			
<i>Surrogate: Toluene-d8</i>	54.2		ug/L	50		108	70-140			
<b>LCS (B5B2704-BS1)</b> Prepared & Analyzed: 02/27/15										
Benzene	19.6	0.20	ug/L	20		98.0	75-125			
Ethylbenzene	21.7	0.20	ug/L	20		109	75-125			
Methyl-tert-Butyl Ether (MTBE)	16.6	0.40	ug/L	20		83.0	70-135			
Toluene	22.3	0.30	ug/L	20		111	75-125			
o-Xylene	20.6	0.30	ug/L	20		103	75-125			
<i>Surrogate: 4-Bromofluorobenzene</i>	47.8		ug/L	50		95.7	70-140			
<i>Surrogate: Dibromofluoromethane</i>	44.3		ug/L	50		88.5	70-140			
<i>Surrogate: Toluene-d8</i>	52.6		ug/L	50		105	70-140			
<b>Matrix Spike (B5B2704-MS1)</b> Source: 5B23004-01 Prepared & Analyzed: 02/27/15										
Benzene	20.2	0.20	ug/L	20		101	70-130			
Ethylbenzene	21.3	0.20	ug/L	20		106	70-130			
Methyl-tert-Butyl Ether (MTBE)	17.0	0.40	ug/L	20		85.0	70-130			
Toluene	21.5	0.30	ug/L	20	0.680	104	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	57.6		ug/L	50		115	70-140			
<i>Surrogate: Dibromofluoromethane</i>	43.1		ug/L	50		86.2	70-140			
<i>Surrogate: Toluene-d8</i>	50.8		ug/L	50		102	70-140			
<b>Matrix Spike Dup (B5B2704-MSD1)</b> Source: 5B23004-01 Prepared & Analyzed: 02/27/15										
Benzene	20.2	0.20	ug/L	20		101	70-130	0.00	30	
Ethylbenzene	21.6	0.20	ug/L	20		108	70-130	1.54	30	
Methyl-tert-Butyl Ether (MTBE)	16.7	0.40	ug/L	20		83.6	70-130	1.54	30	
Toluene	22.3	0.30	ug/L	20	0.680	108	70-130	3.56	30	
<i>Surrogate: 4-Bromofluorobenzene</i>	56.1		ug/L	50		112	70-140			

**Viorel Vasile**  
 Operations Manager



### LABORATORY ANALYSIS RESULTS

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

**AA Project No:** A5331254  
**Date Received:** 02/25/15  
**Date Reported:** 03/10/15

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

Batch B5B2704 - EPA 5030B

**Matrix Spike Dup (B5B2704-MSD1)** Source: 5B23004-01 Prepared & Analyzed: 02/27/15  
**Continued**

Surrogate: Dibromofluoromethane	41.9		ug/L	50		83.8	70-140			
Surrogate: Toluene-d8	52.8		ug/L	50		106	70-140			

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

Batch B5C0501 - EPA 3510C

**Blank (B5C0501-BLK1)** Prepared & Analyzed: 03/05/15

Diesel Range Organics as Diesel	<60	60	ug/L							
Surrogate: o-Terphenyl	49.4		ug/L	50		98.9	50-150			

**LCS (B5C0501-BS1)** Prepared & Analyzed: 03/05/15

Diesel Range Organics as Diesel	<b>1060</b>	60	ug/L	1000		106	75-125		30	
Surrogate: o-Terphenyl	69.9		ug/L	50		140	50-150			

**LCS Dup (B5C0501-BSD1)** Prepared & Analyzed: 03/05/15

Diesel Range Organics as Diesel	<b>1100</b>	60	ug/L	1000		110	75-125	4.37	30	
Surrogate: o-Terphenyl	72.7		ug/L	50		145	50-150			

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

Batch B5B2711 - EPA 3010A

**Blank (B5B2711-BLK1)** Prepared & Analyzed: 02/27/15

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

**LCS (B5B2711-BS1)** Prepared & Analyzed: 02/27/15

Copper	<b>0.202</b>	0.0020	mg/L	0.20		101	80-120		20	
Arsenic	<b>0.211</b>	0.0060	mg/L	0.20		106	80-120		20	

**LCS Dup (B5B2711-BSD1)** Prepared & Analyzed: 02/27/15

Arsenic	<b>0.207</b>	0.0060	mg/L	0.20		103	80-120	2.20	20	
Copper	<b>0.194</b>	0.0020	mg/L	0.20		96.8	80-120	4.10	20	

**Matrix Spike (B5B2711-MS1)** Source: 5B25005-01 Prepared & Analyzed: 02/27/15

Copper	<b>0.175</b>	0.0020	mg/L	0.20	<0.0020	87.6	75-125		20	
Arsenic	<b>0.214</b>	0.0060	mg/L	0.20	<0.0070	107	75-125		20	

**Viorel Vasile**  
 Operations Manager



**LABORATORY ANALYSIS RESULTS**

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

**AA Project No:** A5331254  
**Date Received:** 02/25/15  
**Date Reported:** 03/10/15

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

*Batch B5B2711 - EPA 3010A*

**Matrix Spike Dup (B5B2711-MSD1)**      **Source: 5B25005-01**      Prepared & Analyzed: 02/27/15

Copper	<b>0.210</b>	0.0020	mg/L	0.20	<0.0020	105	75-125	17.9	20	
Arsenic	<b>0.240</b>	0.0060	mg/L	0.20	<0.0070	120	75-125	11.5	20	

**Viorel Vasile**  
Operations Manager



## LABORATORY ANALYSIS RESULTS

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

**AA Project No:** A5331254  
**Date Received:** 02/25/15  
**Date Reported:** 03/10/15

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### Special Notes

- [1] = \* : Subcontracted to a DOHS State-Certified Laboratory
- J : Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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**Viorel Vasile**  
Operations Manager



## American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181  
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • [www.aetlab.com](http://www.aetlab.com)

### Ordered By

American Analytics  
9765 Eton Avenue  
Chatsworth, CA 91311-4306

Number of Pages 4  
Date Received 02/26/2015  
Date Reported 03/04/2015

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

Job Number	Order Date	Client
76117	02/26/2015	AA

Project ID: A5331254/5B25005  
Project Name: PO# SUB02888-A5331254

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.

70042554

Page 1 of 1

Client: **AMERICAN ANALYTICS** Project Name / No.: **AS331254 / SB25005** 76117 Sampler's Name: \_\_\_\_\_

Project Manager: **Norel Yoak** Site Address: \_\_\_\_\_ Sampler's Signature: \_\_\_\_\_

Phone: \_\_\_\_\_ P.O. No.: **SUB02888-AS331254**

Fax: \_\_\_\_\_ State & Zip: \_\_\_\_\_ Quote No.: \_\_\_\_\_

### TAT Turnaround Codes \*\*

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

### ANALYSIS REQUESTED (Test Name)

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Please enter the TAT Turnaround Codes ** below			Special Instructions
SB25005-91	76117-01	2/25/15	1300	Water	3	R	R	X	None
									Thank you

Relinquished by	Date	Time	Received by	Time
<i>[Signature]</i>	2-26-15	8:00	<i>[Signature]</i>	
<i>[Signature]</i>	2/26/15	8:00	<i>[Signature]</i>	
<i>[Signature]</i>			<i>[Signature]</i>	

ROB-SM5212R  
MEAB-SM5590R  
Pherox 420R

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. Samplers will be disposed of after 45 days following the submittal of the samples to American Analytics.



# American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181

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Page: 1 A

### Ordered By

American Analytics  
9765 Eton Avenue  
Chatsworth, CA 91311-4306

Project ID: A5331254/5B25005  
Date Received 02/26/2015  
Date Reported 03/04/2015

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

Job Number	Order Date	Client
76117	02/26/2015	AA

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 1 samples with the following specification on 02/26/2015.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers	
76117.01	5B25005-01	02/25/2015	Aqueous	3	
Method ^	Submethod	Req Date	Priority	TAT	Units
420.1		03/05/2015	2	Normal	mg/L
SM-5540C		03/05/2015	2	Normal	mg/L
SM5210B		03/05/2015	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



# American Environmental Testing Laboratory Inc.

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## ANALYTICAL RESULTS

### Ordered By

American Analytics  
 9765 Eton Avenue  
 Chatsworth, CA 91311-4306

Telephone: (818)998-5547

Attn: Viorel Vasile

Page: **2**

Project ID: **A5331254/5B25005**

Project Name: **PO# SUB02888-A5331254**

AETL Job Number	Submitted	Client
76117	02/26/2015	AA

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

QC Batch No: 022715

Our Lab I.D.		Method Blank	76117.01			
Client Sample I.D.			5B25005-01			
Date Sampled			02/25/2015			
Date Prepared		02/27/2015	02/27/2015			
Preparation Method		420.1	420.1			
Date Analyzed		02/27/2015	02/27/2015			
Matrix		Aqueous	Aqueous			
Units		mg/L	mg/L			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Phenolic compounds as phenol	0.15	0.30	ND	ND		

## QUALITY CONTROL REPORT

QC Batch No: 022715; Dup or Spiked Sample: 76099.01; LCS: Clean Water; QC Prepared: 02/27/2015; QC Analyzed: 02/27/2015;

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
Phenol	0.00	0.500	0.476	95.2	0.500	0.492	98.4	3.3	80-120	<15

QC Batch No: 022715; Dup or Spiked Sample: 76099.01; LCS: Clean Water; QC Prepared: 02/27/2015; QC Analyzed: 02/27/2015;

Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Phenol	0.500	0.480	96.0	0.500	0.462	92.4	3.8	80-120	<20	





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## ANALYTICAL RESULTS

### Ordered By

American Analytics  
 9765 Eton Avenue  
 Chatsworth, CA 91311-4306

Telephone: (818)998-5547

Attn: Viorel Vasile

Page: **3**

Project ID: **A5331254/5B25005**

Project Name: **PO# SUB02888-A5331254**

AETL Job Number	Submitted	Client
76117	02/26/2015	AA

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

QC Batch No: 022615

Our Lab I.D.		Method Blank	76117.01			
Client Sample I.D.			5B25005-01			
Date Sampled			02/25/2015			
Date Prepared		02/26/2015	02/26/2015			
Preparation Method		SM5540C	SM5540C			
Date Analyzed		02/26/2015	02/26/2015			
Matrix		Aqueous	Aqueous			
Units		mg/L	mg/L			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Surfactants (MBAS)	0.05	0.05	ND	ND		

## QUALITY CONTROL REPORT

QC Batch No: 022615; Dup or Spiked Sample: 76117.01; LCS: Clean Water; QC Prepared: 02/26/2015; QC Analyzed: 02/26/2015;  
 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)	0.00	0.500	0.455	91.0	0.500	0.452	90.4	<1	80-120	<15

QC Batch No: 022615; Dup or Spiked Sample: 76117.01; LCS: Clean Water; QC Prepared: 02/26/2015; QC Analyzed: 02/26/2015;  
 Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Surfactants (MBAS)	0.500	0.435	87.0	0.500	0.444	88.8	2.0	80-120	<15



## American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181  
 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • [www.aetlab.com](http://www.aetlab.com)

### ANALYTICAL RESULTS

#### Ordered By

American Analytics  
 9765 Eton Avenue  
 Chatsworth, CA 91311-4306

Telephone: (818)998-5547

Attn: Viorel Vasile

Page: **4**

Project ID: **A5331254/5B25005**  
 Project Name: **PO# SUB02888-A5331254**

AETL Job Number	Submitted	Client
76117	02/26/2015	AA

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

QC Batch No: 022615

Our Lab I.D.		Method Blank	76117.01			
Client Sample I.D.			5B25005-01			
Date Sampled			02/25/2015			
Date Prepared		02/26/2015	02/26/2015			
Preparation Method		SM5210B	SM5210B			
Date Analyzed		03/03/2015	03/03/2015			
Matrix		Aqueous	Aqueous			
Units		mg/L	mg/L			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Biochemical Oxygen Demand (BOD)	5.0	5.0	ND	ND		

### QUALITY CONTROL REPORT

QC Batch No: 022615; Dup or Spiked Sample: 76117.01; LCS: Clean Water; LCS Prepared: 02/26/2015; LCS Analyzed: 03/03/2015;

Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit		
Biochemical Oxygen Demand (BOD)	ND	ND	<1	<15	198	161	81.3	80-120		



## American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181  
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

### 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.



## American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street, Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181  
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

### 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

12930

Page 1 of 1

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

**TAT Turnaround Codes \*\***

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

**ANALYSIS REQUESTED (Test Name)**

Client I.D.	Date	Time	Sample Matrix	No. of Cont.	Please enter the TAT Turnaround Codes ** below										Special Instructions		
					TPHd 8075M	TPHg/MTBE/TBA	8260B	Arsenic 2007	TDS, TSS, Turbidity	BOD5 20 deg C	Oil & Grease	Settleable Solids	Sulfides, Thionals	Residual Chlorine		Copper	Methylene Blue Active Substances
Effluent	2-25-15	1300	Water	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Report J-Flags
Effluent-Dup	"	1302	Water	5	✓												

**PRIORITY**  
 2/25/15  
 10:55 AM  
 2/25/15

Relinquished by <i>Glenn Androsko</i>	Date 2-25-15	Time 13:20	Received by <i>[Signature]</i>
Relinquished by <i>[Signature]</i>	Date 2/25/15	Time 1505	Received by <i>[Signature]</i>
Relinquished by	Date	Time	Received by

AS331254 / 582505

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

---

April 06, 2015

Neil Irish

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

**Re : DFSP Norwalk GWETS NPDES Monthly / 04-NDLA-001  
A5331287 / 5C27005**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 03/27/15 13:17 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile  
Operations Manager

**LABORATORY ANALYSIS RESULTS**

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

**AA Project No:** A5331287  
**Date Received:** 03/27/15  
**Date Reported:** 04/06/15

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
-----------	---------------	--------	-----	--------------	---------------

**8260B TPHGASOLINEBTEXOXY**

Effluent	5C27005-01	Water	5	03/27/15 10:50	03/27/15 13:17
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**Arsenic Total EPA 200.7**

Effluent	5C27005-01	Water	5	03/27/15 10:50	03/27/15 13:17
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**Diesel Range Organics 8015M**

Effluent	5C27005-01	Water	5	03/27/15 10:50	03/27/15 13:17
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**Viorel Vasile**  
Operations Manager

**LABORATORY ANALYSIS RESULTS**

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

**AA Project No:** A5331287  
**Date Received:** 03/27/15  
**Date Reported:** 04/06/15  
**Units:** ug/L

---

<b>Date Sampled:</b>	03/27/15		
<b>Date Prepared:</b>	03/30/15		
<b>Date Analyzed:</b>	03/30/15		
<b>AA ID No:</b>	5C27005-01		
<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	119%	70-140	
Dibromofluoromethane	91%	70-140	
Toluene-d8	107%	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-001  
**Project Name:** DFSP Norwalk GWETS NPDES Monthly  
**Method:** Diesel Range Organics by GC/FID

**AA Project No:** A5331287  
**Date Received:** 03/27/15  
**Date Reported:** 04/06/15  
**Units:** ug/L

---

<b>Date Sampled:</b>	03/27/15		
<b>Date Prepared:</b>	04/01/15		
<b>Date Analyzed:</b>	04/01/15		
<b>AA ID No:</b>	5C27005-01		
<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	114%	<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-001  
**Project Name:** DFSP Norwalk GWETS NPDES Monthly  
**Method:** Total Metals by ICP Atomic Emission Spectroscopy

**AA Project No:** A5331287  
**Date Received:** 03/27/15  
**Date Reported:** 04/06/15

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>									
5C27005-01	Effluent	03/27/15	03/30/15	03/31/15	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-001  
**Project Name:** DFSP Norwalk GWETS NPDES Monthly

**AA Project No:** A5331287  
**Date Received:** 03/27/15  
**Date Reported:** 04/06/15

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

Batch B5C3009 - EPA 5030B

##### Blank (B5C3009-BLK1)

Prepared & Analyzed: 03/30/15

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

Surrogate: 4-Bromofluorobenzene	60.6		ug/L	50	121	70-140
Surrogate: Dibromofluoromethane	40.6		ug/L	50	81.2	70-140
Surrogate: Toluene-d8	50.4		ug/L	50	101	70-140

##### LCS (B5C3009-BS1)

Prepared & Analyzed: 03/30/15

Benzene	20.6	0.20	ug/L	20	103	75-125
Ethylbenzene	21.2	0.20	ug/L	20	106	75-125
Methyl-tert-Butyl Ether (MTBE)	23.2	0.40	ug/L	20	116	70-135
Toluene	21.9	0.30	ug/L	20	109	75-125
o-Xylene	19.7	0.30	ug/L	20	98.5	75-125

Surrogate: 4-Bromofluorobenzene	52.9		ug/L	50	106	70-140
Surrogate: Dibromofluoromethane	41.3		ug/L	50	82.7	70-140
Surrogate: Toluene-d8	54.7		ug/L	50	109	70-140

##### LCS Dup (B5C3009-BSD1)

Prepared & Analyzed: 03/30/15

Benzene	21.4	0.20	ug/L	20	107	75-125	3.53	30
Ethylbenzene	22.0	0.20	ug/L	20	110	75-125	3.71	30
Methyl-tert-Butyl Ether (MTBE)	17.7	0.40	ug/L	20	88.5	70-135	26.9	30
Toluene	22.0	0.30	ug/L	20	110	75-125	0.592	30
o-Xylene	20.2	0.30	ug/L	20	101	75-125	2.70	30

Surrogate: 4-Bromofluorobenzene	64.7		ug/L	50	129	70-140
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**Viorel Vasile**  
 Operations Manager



### LABORATORY ANALYSIS RESULTS

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

**AA Project No:** A5331287  
**Date Received:** 03/27/15  
**Date Reported:** 04/06/15

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
<b>TPHG/BTEX/Oxygenates by GC/MS - Quality Control</b>									
<i>Batch B5C3009 - EPA 5030B</i>									
<b>LCS Dup (B5C3009-BSD1) Continued</b>				Prepared & Analyzed: 03/30/15					
<i>Surrogate: Dibromofluoromethane</i>	44.8		ug/L	50	89.7	70-140			
<i>Surrogate: Toluene-d8</i>	51.3		ug/L	50	103	70-140			
<b>Diesel Range Organics by GC/FID - Quality Control</b>									
<i>Batch B5D0101 - EPA 3510C</i>									
<b>Blank (B5D0101-BLK1)</b>				Prepared & Analyzed: 04/01/15					
Diesel Range Organics as Diesel	<60	60	ug/L						
<i>Surrogate: o-Terphenyl</i>	47.1		ug/L	40	118	50-150			
<b>LCS (B5D0101-BS1)</b>				Prepared & Analyzed: 04/01/15					
Diesel Range Organics as Diesel	<b>690</b>	60	ug/L	800	86.2	75-125		30	
<i>Surrogate: o-Terphenyl</i>	46.6		ug/L	40	117	50-150			
<b>LCS Dup (B5D0101-BSD1)</b>				Prepared & Analyzed: 04/01/15					
Diesel Range Organics as Diesel	<b>662</b>	60	ug/L	800	82.7	75-125	4.21	30	
<i>Surrogate: o-Terphenyl</i>	52.0		ug/L	40	130	50-150			
<b>Total Metals by ICP Atomic Emission Spectroscopy - Quality Control</b>									
<i>Batch B5C3023 - EPA 3010A</i>									
<b>Blank (B5C3023-BLK1)</b>				Prepared: 03/30/15 Analyzed: 03/31/15					
Arsenic	<0.0060	0.0060	mg/L						
<b>LCS (B5C3023-BS1)</b>				Prepared: 03/30/15 Analyzed: 03/31/15					
Arsenic	<b>0.211</b>	0.0060	mg/L	0.20	105	80-120		20	
<b>LCS Dup (B5C3023-BSD1)</b>				Prepared: 03/30/15 Analyzed: 03/31/15					
Arsenic	<b>0.188</b>	0.0060	mg/L	0.20	93.8	80-120	11.7	20	
<b>Matrix Spike (B5C3023-MS1)</b>				<b>Source: 5C27006-01</b> Prepared: 03/30/15 Analyzed: 03/31/15					
Arsenic	<b>0.312</b>	0.0060	mg/L	0.20	0.0840	114	75-125	20	
<b>Matrix Spike Dup (B5C3023-MSD1)</b>				<b>Source: 5C27006-01</b> Prepared: 03/30/15 Analyzed: 03/31/15					
Arsenic	<b>0.298</b>	0.0060	mg/L	0.20	0.0840	107	75-125	4.59	20

**Viorel Vasile**  
 Operations Manager



## LABORATORY ANALYSIS RESULTS

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

**AA Project No:** A5331287  
**Date Received:** 03/27/15  
**Date Reported:** 04/06/15

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### Special Notes

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**Viorel Vasile**  
Operations Manager



# AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

122177

Page 1 of 1

**Client:** The Source Group, Inc.     **Project Name / No.:** DFSP - Norwalk / 04-SDLA / Monthly NPDES     **Sampler's Name:** Glenn Androsko  
**Project Manager:** Neil Irish     **Site Address:** 15306 Norwalk Blvd     **Sampler's Signature:** *Glenn Androsko*  
**Phone:** 562-597-1055     **City:** Norwalk     **P.O. No.:** 04-NDLA-001  
**Fax:** 569-597-1070     **State & Zip:** CA 90650     **Quote No.:**

**TAT Turnaround Codes \*\***

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

Client I.D.	Date	Time	Sample Matrix	No. of Cont.	ANALYSIS REQUESTED (Test Name)		Special Instructions
					TPH/MTBE/TBA 829B	Arsenic 200.7	
Effluent	3-27-15	1050	Water	5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Report J-Flags
Please enter the TAT Turnaround Codes ** below							
<b>REVIEWED</b> <i>By: [Signature]</i> Date: 3/27/15     Station: [Blank]							
<b>DATE 30 DAYS</b> Date: 3/27/15     Station: [Blank]							
<b>TAT</b>							
Relinquished by: <i>Glenn Androsko</i> Date: 3-27-15     Time: 1130     Received by: <i>[Signature]</i>							
Relinquished by: <i>[Signature]</i> Date: 3/27/15     Time: 1317     Received by: <i>[Signature]</i>							
Relinquished by:     Date:     Time:     Received by:							

AS331287 / SC27005

Note: By relinquishing samples to American Analytix, 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 Analytix.

**APPENDIX B**  
Laboratory ELAP Certification



CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM BRANCH

**CERTIFICATE OF ENVIRONMENTAL LABORATORY 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,  
proficiency testing studies, and payment of applicable fees.

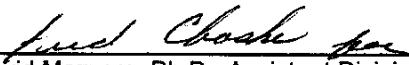
This Certificate is granted in accordance with provisions of  
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1471**

Expiration Date: **03/31/2015**

Effective Date: **04/01/2013**

Richmond, California  
subject to forfeiture or revocation

  
\_\_\_\_\_  
David Mazzer, Ph.D., Assistant Division Chief  
Division of Drinking Water and Environmental Management





**CALIFORNIA DEPARTMENT OF PUBLIC HEALTH  
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  
Renew Date: 3/31/2015**

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

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	EPA 300.0
102.030	007	Nitrite	EPA 300.0
102.030	008	Phosphate, Ortho	EPA 300.0
102.030	010	Sulfate	EPA 300.0
102.045	001	Perchlorate	EPA 314.0
102.100	001	Alkalinity	SM2320B
102.120	001	Hardness	SM2340B
102.121	001	Hardness	SM2340C
102.130	001	Conductivity	SM2510B
102.140	001	Total Dissolved Solids	SM2540C
102.145	001	Total Dissolved Solids	EPA 160.1
102.190	001	Cyanide, Total	SM4500-CN E
102.192	001	Cyanide, amenable	SM4500-CN G
102.260	001	Total Organic Carbon	SM5310B
102.510	001	Calcium	SM3120B
102.510	002	Magnesium	SM3120B
102.510	003	Potassium	SM3120B
102.510	004	Silica	SM3120B
102.510	006	Hardness (calculation)	SM3120B
102.520	001	Calcium	EPA 200.7
102.520	002	Magnesium	EPA 200.7
102.520	003	Potassium	EPA 200.7
102.520	004	Silica	EPA 200.7
102.520	005	Sodium	EPA 200.7
102.520	006	Hardness (calculation)	EPA 200.7
102.551	002	Chlorine, Free, Combined, Total	SM4500-Cl G

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

103.040	002	Antimony	SM3113B
103.040	003	Arsenic	SM3113B
103.040	005	Beryllium	SM3113B
103.040	006	Cadmium	SM3113B
103.040	007	Chromium	SM3113B

103.040	010	Lead	SM3113B
103.040	013	Selenium	SM3113B
103.040	014	Silver	SM3113B
103.060	001	Aluminum	SM3120B
103.060	003	Barium	SM3120B
103.060	004	Beryllium	SM3120B
103.060	007	Chromium	SM3120B
103.060	008	Copper	SM3120B
103.060	009	Iron	SM3120B
103.060	011	Manganese	SM3120B
103.060	015	Silver	SM3120B
103.060	017	Zinc	SM3120B
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	008	Copper	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	001	Aluminum	EPA 200.8
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
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	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.150	014	Thallium	EPA 200.9
103.160	001	Mercury	EPA 245.1

103.310 001 Chromium (VI) EPA 218.6

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

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104.035	001	1,2,3-Trichloropropane	SRL 524M-TCP
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	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	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	001	Bromodichloromethane	EPA 524.2

104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2
104.045	005	Trihalomethanes	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	004	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	005	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	006	Trichlorotrifluoroethane	EPA 524.2
104.050	007	tert-Butyl Alcohol (TBA)	EPA 524.2
104.050	008	Carbon Disulfide	EPA 524.2
104.050	009	Methyl Isobutyl Ketone	EPA 524.2

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


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108.020	001	Conductivity	EPA 120.1
108.090	001	Residue, Volatile	EPA 160.4
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	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.113	001	Boron	EPA 200.8
108.113	002	Calcium	EPA 200.8
108.113	003	Magnesium	EPA 200.8
108.113	004	Potassium	EPA 200.8
108.113	005	Silica	EPA 200.8
108.113	006	Sodium	EPA 200.8
108.120	001	Bromide	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	004	Nitrate	EPA 300.0
108.120	005	Nitrite	EPA 300.0
108.120	006	Nitrate-nitrite	EPA 300.0
108.120	007	Phosphate, Ortho	EPA 300.0
108.120	008	Sulfate	EPA 300.0
108.183	001	Cyanide, Total	EPA 335.4
108.323	001	Chemical Oxygen Demand	EPA 410.4
108.350	001	Total Recoverable Petroleum Hydrocarbons	EPA 418.1
108.381	001	Oil and Grease	EPA 1664A
108.390	001	Turbidity	SM2130B
108.410	001	Alkalinity	SM2320B
108.420	001	Hardness (calculation)	SM2340B

108.421	001	Hardness	SM2340C
108.430	001	Conductivity	SM2510B
108.440	001	Residue, Total	SM2540B
108.441	001	Residue, Filterable TDS	SM2540C
108.442	001	Residue, Non-filterable TSS	SM2540D
108.443	001	Residue, Settleable	SM2540F
108.447	001	Boron	SM3120B
108.447	002	Calcium	SM3120B
108.447	003	Hardness (calculation)	SM3120B
108.447	004	Magnesium	SM3120B
108.447	005	Potassium	SM3120B
108.447	006	Silica	SM3120B
108.447	007	Sodium	SM3120B
108.465	001	Chlorine, Total	SM4500-Cl G
108.470	001	Cyanide, Manual Distillation	SM4500-CN C
108.472	001	Cyanide, Total	SM4500-CN E
108.473	001	Cyanide, amenable	SM4500-CN G
108.490	001	Hydrogen Ion (pH)	SM4500-H+ B
108.493	001	Ammonia	SM4500-NH3 D or E (19th/20th)
108.531	001	Dissolved Oxygen	SM4500-O G
108.580	001	Sulfide	SM4500-S= D
108.590	001	Biochemical Oxygen Demand	SM5210B
108.602	001	Chemical Oxygen Demand	SM5220D
108.610	001	Total Organic Carbon	SM5310B
108.630	001	Oil and Grease	SM5520B (20th)
108.660	001	Chemical Oxygen Demand	HACH8000

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**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	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	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
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
109.025	015	Thallium	EPA 200.9
109.104	001	Chromium (VI)	EPA 218.6
109.190	001	Mercury	EPA 245.1
109.311	001	Thallium	EPA 279.2
109.410	003	Arsenic	SM3113B
109.410	007	Chromium	SM3113B
109.410	011	Lead	SM3113B
109.410	015	Selenium	SM3113B
109.410	016	Silver	SM3113B
109.430	001	Aluminum	SM3120B
109.430	002	Antimony	SM3120B
109.430	003	Arsenic	SM3120B
109.430	004	Barium	SM3120B
109.430	005	Beryllium	SM3120B
109.430	007	Cadmium	SM3120B
109.430	009	Chromium	SM3120B
109.430	010	Cobalt	SM3120B
109.430	011	Copper	SM3120B
109.430	012	Iron	SM3120B
109.430	013	Lead	SM3120B
109.430	015	Manganese	SM3120B

109.430	016	Molybdenum	SM3120B
109.430	017	Nickel	SM3120B
109.430	019	Selenium	SM3120B
109.430	021	Silver	SM3120B
109.430	023	Thallium	SM3120B
109.430	024	Vanadium	SM3120B
109.430	025	Zinc	SM3120B
109.810	001	Chromium, Total	SM3500-Cr D (18th/19th)
109.825	001	Iron	SM3500-Fe D (18th/19th)

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

110.020	000	Aromatic Volatiles	EPA 602
110.040	040	Halogenated Hydrocarbons	EPA 624
110.040	041	Aromatic Compounds	EPA 624
110.040	042	Oxygenates	EPA 624
110.040	043	Other Volatile Organics	EPA 624

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

111.060	000	Polynuclear Aromatics	EPA 610
111.101	032	Polynuclear Aromatic Hydrocarbons	EPA 625
111.101	034	Phthalates	EPA 625
111.101	036	Other Extractables	EPA 625
111.170	030	Organochlorine Pesticides & PCBs	EPA 608
111.170	031	PCBs	EPA 608
111.270	001	Oil and Grease	EPA 413.1
111.272	001	Oil and Grease	SM5520B (20th)
111.273	001	Oil and Grease	EPA 1664A

**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
114.031	001	Antimony	EPA 7041
114.040	001	Arsenic	EPA 7060A
114.071	001	Beryllium	EPA 7091
114.081	001	Cadmium	EPA 7131A
114.091	001	Chromium	EPA 7191
114.103	001	Chromium (VI)	EPA 7196A
114.106	001	Chromium (VI)	EPA 7199
114.131	001	Lead	EPA 7421
114.140	001	Mercury	EPA 7470A
114.141	001	Mercury	EPA 7471A
114.170	001	Selenium	EPA 7740
114.181	001	Silver	EPA 7761
114.191	001	Thallium	EPA 7841
114.240	001	Corrosivity - pH Determination	EPA 9040B
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
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 Chapter11, Article 5, Appendix II
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312

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

116.020	030	Nonhalogenated Volatiles	EPA 8015B
116.020	031	Ethanol and Methanol	EPA 8015B
116.030	001	Gasoline-range Organics	EPA 8015B



116.040	041	Methyl tert-butyl Ether (MTBE)	EPA 8021B
116.040	061	Aromatic Volatiles	EPA 8021B
116.040	062	BTEX	EPA 8021B
116.080	000	Volatile Organic Compounds	EPA 8260B
116.080	120	Oxygenates	EPA 8260B
116.100	001	Total Petroleum Hydrocarbons - Gasoline	LUFT GC/MS
116.100	010	BTEX and MTBE	LUFT GC/MS
116.110	001	Total Petroleum Hydrocarbons - Gasoline	LUFT

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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
117.015	001	Diesel-range Total Petroleum Hydrocarbons	LUFT GC/MS
117.016	001	Diesel-range Total Petroleum Hydrocarbons	LUFT
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 & PCBs	EPA 8081A
117.220	000	PCBs	EPA 8082



CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM BRANCH

**CERTIFICATE OF ENVIRONMENTAL LABORATORY ACCREDITATION**

Is hereby granted to

**American Environmental Testing Laboratory, Inc.**

2834 and 2908 North Naomi Street

Burbank, CA 91504

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,  
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.: **1541**

Expiration Date: **06/30/2015**

Effective Date: **07/01/2013**

Richmond, California  
subject to forfeiture or revocation

  
David Mazzera, Ph.D., Assistant Division Chief  
Division of Drinking Water and Environmental Management



RON CHAPMAN, MD, MPH  
Director & State Health Officer

State of California—Health and Human Services Agency  
California Department of Public Health



EDMUND G. BROWN JR.  
Governor

July 1, 2013

Cyrus Razmara, Ph.D.  
American Environmental Testing Laboratory, Inc.  
2834 North Naomi Street  
Burbank, CA 91504

Dear Cyrus Razmara, Ph.D.:

Certificate No. 1541

This is to advise you that the laboratory named above continues to be 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. Certification for all currently certified Fields of Testing that the laboratory has applied for renewal shall remain in effect until **6/30/2015** unless it is revoked.

**Please note that the renewal application for certification is subject to an on-site process, and the continued use of this certificate is contingent upon:**

- \* **successful completion of the on-site process;**
- \* **acceptable performance in the required proficiency testing (PT) studies;**
- \* **timely payment of all fees, including an annual fee due before June 30, 2014;**
- \* **compliance with Environmental Laboratory Accreditation Program Branch (ELAPB); statutes (HSC, Section 100825, et seq.) and Regulations (California Code of Regulations (CCR), Title 22, Division 4, Chapter 19).**

An updated certificate of the "Fields of Testing" will be issued to the laboratory upon successful completion of the on-site process.

The application for the renewal of this certificate must be received before the expiration date to remain in force according to the HSC100845(a).

Please note that the laboratory is required to notify ELAPB of any major changes in the laboratory such as the transfer of ownership, change of laboratory director, change in location, or structural alterations which may affect adversely the quality of analyses (HSC, Section 100845(b)(d)). Please include the above certificate number in all your correspondence with ELAPB.

If you have any questions, please contact ELAPB at (510) 620-3155.

Sincerely,

David Mazzera, Ph.D., Assistant Division Chief  
Division of Drinking Water and Environmental Management



CALIFORNIA DEPARTMENT OF PUBLIC HEALTH  
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM  
Accredited Fields of Testing



American Environmental Testing Laboratory, Inc.  
2834 and 2908 North Naomi Street  
Burbank, CA 91504  
Phone: (818) 845-8200

Certificate No.: 1541  
Renew Date: 6/30/2015

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

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	EPA 300.0
102.030	007	Nitrite	EPA 300.0
102.030	008	Phosphate, Ortho	EPA 300.0
102.030	010	Sulfate	EPA 300.0
102.045	001	Perchlorate	EPA 314.0
102.100	001	Alkalinity	SM2320B
102.120	001	Hardness	SM2340B
102.121	001	Hardness	SM2340C
102.130	001	Conductivity	SM2510B
102.140	001	Total Dissolved Solids	SM2540C
102.145	001	Total Dissolved Solids	EPA 160.1
102.150	001	Chloride	SM4110B
102.150	002	Fluoride	SM4110B
102.150	003	Nitrate	SM4110B
102.150	004	Nitrite	SM4110B
102.150	005	Phosphate, Ortho	SM4110B
102.150	006	Sulfate	SM4110B
102.163	001	Chlorine, Free and Total	SM4500-CI G
102.190	001	Cyanide, Total	SM4500-CN E
102.192	001	Cyanide, amenable	SM4500-CN G
102.200	001	Fluoride	SM4500-F C
102.240	001	Phosphate, Ortho	SM4500-P E
102.251	001	Sulfate	SM4500-SO4 E
102.270	001	Surfactants	SM5540C
102.510	001	Calcium	SM3120B
102.510	002	Magnesium	SM3120B
102.510	003	Potassium	SM3120B
102.510	004	Silica	SM3120B
102.510	006	Hardness (calculation)	SM3120B
102.520	001	Calcium	EPA 200.7
102.520	002	Magnesium	EPA 200.7
102.520	003	Potassium	EPA 200.7
102.520	004	Silica	EPA 200.7

102.520	005	Sodium	EPA 200.7
102.520	006	Hardness (calculation)	EPA 200.7
102.533	001	Silica	SM4500-Si D (18th/19th)

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

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103.060	001	Aluminum	SM3120B
103.060	003	Barium	SM3120B
103.060	004	Beryllium	SM3120B
103.060	007	Chromium	SM3120B
103.060	008	Copper	SM3120B
103.060	009	Iron	SM3120B
103.060	011	Manganese	SM3120B
103.060	015	Silver	SM3120B
103.060	017	Zinc	SM3120B
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	008	Copper	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	001	Aluminum	EPA 200.8
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
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	011	Mercury	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	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8

103.161	001	Mercury	EPA 245.2
103.310	001	Chromium (VI)	EPA 218.6

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

104.035	001	1,2,3-Trichloropropane	SRL 524M-TCP
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	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	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	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2
104.045	005	Trihalomethanes	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	004	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	005	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	006	Trichlorotrifluoroethane	EPA 524.2
104.050	007	tert-Butyl Alcohol (TBA)	EPA 524.2
104.050	008	Carbon Disulfide	EPA 524.2
104.050	009	Methyl Isobutyl Ketone	EPA 524.2

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

108.020	001	Conductivity	EPA 120.1
108.090	001	Residue, Volatile	EPA 160.4
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	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	004	Nitrate	EPA 300.0
108.120	005	Nitrite	EPA 300.0
108.120	006	Nitrate-nitrite	EPA 300.0
108.120	007	Phosphate, Ortho	EPA 300.0
108.120	008	Sulfate	EPA 300.0
108.264	001	Phosphate, Ortho	EPA 365.3
108.323	001	Chemical Oxygen Demand	EPA 410.4
108.350	001	Total Recoverable Petroleum Hydrocarbons	EPA 418.1
108.360	001	Phenols, Total	EPA 420.1
108.381	001	Oil and Grease	EPA 1664A
108.390	001	Turbidity	SM2130B
108.400	001	Acidity	SM2310B
108.410	001	Alkalinity	SM2320B
108.420	001	Hardness (calculation)	SM2340B
108.421	001	Hardness	SM2340C
108.430	001	Conductivity	SM2510B
108.440	001	Residue, Total	SM2540B

108.441	001	Residue, Filterable	SM2540C
108.442	001	Residue, Non-filterable	SM2540D
108.443	001	Residue, Settleable	SM2540F
108.447	001	Boron	SM3120B
108.447	002	Calcium	SM3120B
108.447	003	Hardness (calculation)	SM3120B
108.447	004	Magnesium	SM3120B
108.447	005	Potassium	SM3120B
108.447	006	Silica	SM3120B
108.447	007	Sodium	SM3120B
108.465	001	Chlorine, Total	SM4500-Cl G
108.472	001	Cyanide, Total	SM4500-CN E
108.473	001	Cyanide, amenable	SM4500-CN G
108.480	001	Fluoride	SM4500-F C
108.490	001	pH	SM4500-H+ B
108.491	001	Ammonia	SM4500-NH3 C (18th)
108.491	002	Kjeldahl Nitrogen	SM4500-NH3 C (18th)
108.510	001	Nitrite	SM4500-NO2 B
108.530	001	Dissolved Oxygen	SM4500-O C
108.531	001	Dissolved Oxygen	SM4500-O G
108.540	001	Phosphate, Ortho	SM4500-P E
108.580	001	Sulfide	SM4500-S= D
108.590	001	Biochemical Oxygen Demand	SM5210B
108.602	001	Chemical Oxygen Demand	SM5220D
108.630	001	Oil and Grease	SM5520B (20th)
108.640	001	Surfactants	SM5540C

**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	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	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
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
109.020	020	Gold	EPA 200.8
109.020	021	Iron	EPA 200.8
109.190	001	Mercury	EPA 245.1
109.191	001	Mercury	EPA 245.2
109.400	001	Mercury	SM3112B
109.430	001	Aluminum	SM3120B
109.430	002	Antimony	SM3120B
109.430	003	Arsenic	SM3120B
109.430	004	Barium	SM3120B
109.430	005	Beryllium	SM3120B
109.430	007	Cadmium	SM3120B
109.430	009	Chromium	SM3120B
109.430	010	Cobalt	SM3120B
109.430	011	Copper	SM3120B
109.430	012	Iron	SM3120B
109.430	013	Lead	SM3120B
109.430	015	Manganese	SM3120B
109.430	016	Molybdenum	SM3120B
109.430	017	Nickel	SM3120B
109.430	019	Selenium	SM3120B
109.430	021	Silver	SM3120B

109.430	023	Thallium	SM3120B
109.430	024	Vanadium	SM3120B
109.430	025	Zinc	SM3120B
109.808	001	Chromium (VI)	SM3500-Cr B (21st)
109.825	001	Iron	SM3500-Fe D (18th/19th)

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

110.040	040	Halogenated Hydrocarbons	EPA 624
110.040	041	Aromatic Compounds	EPA 624
110.040	042	Oxygenates	EPA 624
110.040	043	Other Volatile Organics	EPA 624

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

111.060	000	Polynuclear Aromatics	EPA 610
111.101	032	Polynuclear Aromatic Hydrocarbons	EPA 625
111.101	033	Adipates	EPA 625
111.101	034	Phthalates	EPA 625
111.101	036	Other Extractables	EPA 625
111.170	030	Organochlorine Pesticides	EPA 608
111.170	031	PCBs	EPA 608
111.270	001	Oil and Grease	EPA 413.1
111.272	001	Oil and Grease	SM5520B (20th)
111.273	001	Oil and Grease	EPA 1664A

**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
114.103	001	Chromium (VI)	EPA 7196A
114.106	001	Chromium (VI)	EPA 7199
114.140	001	Mercury	EPA 7470A
114.141	001	Mercury	EPA 7471A
114.221	001	Cyanide, Total	EPA 9012A
114.230	001	Sulfides, Total	EPA 9034
114.231	001	Sulfide	EPA 9215
114.240	001	Corrosivity - pH Determination	EPA 9040B
114.241	001	Corrosivity - pH Determination	EPA 9045C
114.250	001	Fluoride	EPA 9056
114.280	001	Organic Lead	HML 939-M

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

115.010	001	Extraction Procedure Toxicity (EPTox)	EPA 1310A
115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312

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

116.020	030	Nonhalogenated Volatiles	EPA 8015B
116.020	031	Ethanol and Methanol	EPA 8015B
116.030	001	Gasoline-range Organics	EPA 8015B
116.040	041	Methyl tert-butyl Ether (MTBE)	EPA 8021B
116.040	062	BTEX	EPA 8021B
116.080	000	Volatile Organic Compounds	EPA 8260B
116.080	120	Oxygenates	EPA 8260B
116.100	010	BTEX and MTBE	LUFT GC/MS
116.110	001	Total Petroleum Hydrocarbons - Gasoline	LUFT

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

117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015B
117.016	001	Diesel-range Total Petroleum Hydrocarbons	LUFT
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
117.240	000	Organophosphorus Pesticides	EPA 8141A
117.250	000	Chlorinated Herbicides	EPA 8151A

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**Field of Testing: 120 - Physical Properties of Hazardous Waste**

120.010	001	Ignitability	EPA 1010
120.040	001	Reactive Cyanide	Section 7.3 SW-846
120.050	001	Reactive Sulfide	Section 7.3 SW-846
120.070	001	Corrosivity - pH Determination	EPA 9040B
120.080	001	Corrosivity - pH Determination	EPA 9045C