

# LETTER OF TRANSMITTAL

Date: January 30, 2015

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**Sent By:** Aaron Disman, Project Engineer

**Attention:** Information & Technology Unit  
California Regional Water Quality Control Board  
320 West 4<sup>th</sup> Street, Suite 200  
Los Angeles, CA 90013

**Project:** DFSP Norwalk, Norwalk, CA

**Submittal:** Groundwater Discharge Monitoring Report, Quarter 4, 2014

**cc:**

Via Email:

Mr. Paul Cho, LARWQCB  
Mr. Everett Bole, DLA-E  
Mr. Stuart Strum, DLA-E  
Maj. Todd J. Morin, DLA-E  
Ms. Adriana Figueroa, City of Norwalk  
Ms. Phuong Ly, Water Replenishment District  
Mr. Everett Ferguson, Water Replenishment District  
Mr. Charles Emig, City of Cerritos  
Ms. Pearla Hernandez, Office of Congresswoman Grace Napolitano  
Mr. Jon Wreschinsky, March ARB  
Ms. Angelina Mancillas, Office of Congresswoman Linda T. Sánchez  
Mr. Calvin Sung, Office of State Senator Tony Mendoza  
Mr. Norman Dupont, Richards Watson Gershon  
Mr. Gary Lynch, Park Water Company  
Mr. Walter Scherer, March ARB  
Mr. Michael T. Wilson, Air Force Real Property Agency  
Mr. Steve Defibaugh, KMI  
Mr. Mark Wuttig, CH2M HILL  
Mr. Dan Jablonski, CH2M HILL  
Ms. Lorena Sierra, John Dolland Elementary School  
Mr. Marcos Alamillo, Office of Assemblymember Christina Garcia  
Ms. Mary Jane McIntosh, RAB Community Member  
Ms. Tracy Winkle, RAB Community Member

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Dr. Eugene Garcia, RAB Community Member  
Ms. Minxia Dong, Norwalk Regional Library

January 30, 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 4, 2014**  
**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 4, 2014 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, 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 182,190 gallons. Based on the total petroleum hydrocarbons as diesel (TPHd) results for influent water samples and total groundwater extracted, the mass of TPHd removed by the GWETS was approximately 0.9 pounds (Table 2c) during Quarter 4, 2014.

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 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 California Department of Public Health 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,



Aaron Disman, P.E.  
Project Engineer



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

Attachments and Distribution on Following Page:

Attachments:

Table 1 – Summary of Effluent Groundwater Analytical Sampling Results – 4<sup>th</sup> Quarter 2014  
Table 2a – Groundwater Extraction and Treatment System Summary of Operations - October  
Table 2b – Groundwater Extraction and Treatment System Summary of Ops - November  
Table 2c – Groundwater Extraction and Treatment System Summary of Ops - December

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

cc: Mr. Paul Cho, LARWQCB  
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Dr. Eugene Garcia, RAB Community Member  
Ms. Tracy Winkle, RAB Community Member

## TABLES

**TABLE 1**  
**Summary of Effluent Groundwater Analytical Sampling Results - 4th Quarter 2014**  
 DFSP, Norwalk  
 15306 Norwalk Blvd., Norwalk, CA

Sampling Frequency			Monthly								Quarterly										Annually
Laboratory Analysis Methods			--	SM 4500 H+B	--	EPA 8015B (M)	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	Temperature	TPHd	TPHg	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
			(gpd)	pH units	°C	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(µg/L)	(mg/L)	(mg/L)	(NTU)	(mg/L)	(mg/L)	(mg/L)	(mL/L/hr)	(mg/L)	(mg/L)
10/20/14	1,4	GW-2, GW-13, GW-15, GW-16	11.6	7.27	23.1	<60	<40	<0.40	<7.0	<6.0	--	--	--	--	--	--	--	--	--	--	--
11/17/14	2,3,4	GW-2, GW-13, GW-15, GW-16	0.0	7.32	19.0	<60	<40	<0.40	<7.0	<6.0	<b>4.2 J</b>	<0.0020	<b>26</b>	<0.027	<0.10	<b>17</b>	<0.100	<0.050	<0.15	<5.0	100
12/17/14	3,4	GW-2, GW-13, GW-15, GW-16	0.2	7.01	17.0	<b>110</b>	<40	<0.40	<7.0	<6.0	--	--	--	--	--	--	--	--	--	--	--

**Legend / Notes:**

- |   |  |
|---|--|
| GWETS = Groundwater extraction and treatment system   | 1 = GWETS restarted on 10/17/14 following manual shutdown on 09/26/14. |
| TPHd = Total petroleum hydrocarbons as diesel   | 2 = GWETS restarted on 11/03/14 and manually shut down on 11/11/14.    |
| TPHg = Total petroleum hydrocarbons as gasoline   | 3 = GWETS restarted.   |
| MTBE = Methyl tertiary-butyl ether  | 4 = GWETS manually shut down.  |
| TBA = tertiary-Butyl alcohol  |  |
| MBAS = Methylene blue active substances   |  |
| BOD = Biochemical oxygen demand   |  |
| gpd = Gallons per day   |  |
| 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. |  |

**TABLE 2a**  
**Groundwater Extraction and Treatment System Summary of Operations - October**  
 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)
10/01/14	Off line	1	3,691,102	2,437,751	955,808	6,499,390	7,455,198	6,128,853	71,656,389	--	9,926
10/02/14	Off line		3,691,200	2,437,812	955,880	6,499,470	7,455,350	6,129,012	71,656,652	--	9,926
10/03/14	Off line		3,691,298	2,437,874	955,952	6,499,550	7,455,502	6,129,172	71,656,916	--	9,926
10/04/14	Off line		3,691,397	2,437,935	956,024	6,499,630	7,455,654	6,129,332	71,657,180	--	9,926
10/05/14	Off line		3,691,495	2,437,997	956,097	6,499,710	7,455,807	6,129,492	71,657,443	--	9,926
10/06/14	Off line		3,691,593	2,438,058	956,169	6,499,790	7,455,959	6,129,652	71,657,707	--	9,926
10/07/14	Off line		3,691,692	2,438,120	956,241	6,499,870	7,456,111	6,129,812	71,657,971	--	9,926
10/08/14	Off line		3,691,790	2,438,181	956,314	6,499,950	7,456,264	6,129,971	71,658,235	--	9,926
10/09/14	Off line		3,691,889	2,438,243	956,386	6,500,030	7,456,416	6,130,131	71,658,498	--	9,926
10/10/14	Off line		3,691,987	2,438,304	956,458	6,500,110	7,456,568	6,130,291	71,658,762	--	9,926
10/11/14	Off line		3,692,085	2,438,366	956,531	6,500,190	7,456,721	6,130,451	71,659,026	--	9,926
10/12/14	Off line		3,692,184	2,438,427	956,603	6,500,270	7,456,873	6,130,611	71,659,289	--	9,926
10/13/14	Off line		3,692,282	2,438,489	956,675	6,500,350	7,457,025	6,130,771	71,659,553	--	9,926
10/14/14	Off line		3,692,380	2,438,550	956,748	6,500,430	7,457,178	6,130,930	71,659,817	--	9,926
10/15/14	Off line		3,692,479	2,438,612	956,820	6,500,510	7,457,330	6,131,090	71,660,081	--	9,926
10/16/14	Off line		3,692,577	2,438,673	956,892	6,500,590	7,457,482	6,131,250	71,660,344	--	9,926
10/17/14	Technician	2	3,692,663	2,438,727	956,956	6,500,660	7,457,616	6,131,390	71,660,575	--	9,926
10/18/14	*		3,699,111	2,443,061	961,500	6,505,742	7,467,242	6,142,172	71,677,311	--	9,926
10/19/14	*		3,705,559	2,447,395	966,045	6,510,824	7,476,869	6,152,954	71,694,047	--	9,927
10/20/14	Technician	3,4	3,711,985	2,451,714	970,574	6,515,889	7,486,463	6,163,699	71,710,725	560	9,927
10/21/14	Off line		3,711,985	2,451,714	970,574	6,515,889	7,486,463	6,163,699	71,710,725	--	9,927
10/22/14	Off line		3,711,985	2,451,714	970,574	6,515,889	7,486,463	6,163,699	71,710,725	--	9,927
10/23/14	Off line		3,711,985	2,451,714	970,574	6,515,889	7,486,463	6,163,699	71,710,725	--	9,927
10/24/14	Off line		3,711,985	2,451,714	970,574	6,515,889	7,486,463	6,163,699	71,710,725	--	9,927
10/25/14	Off line		3,711,985	2,451,714	970,574	6,515,889	7,486,463	6,163,699	71,710,725	--	9,927
10/26/14	Off line		3,711,985	2,451,714	970,574	6,515,889	7,486,463	6,163,699	71,710,725	--	9,927
10/27/14	Off line		3,711,985	2,451,714	970,574	6,515,889	7,486,463	6,163,699	71,710,725	--	9,927
10/28/14	Off line		3,711,985	2,451,714	970,574	6,515,889	7,486,463	6,163,699	71,710,725	--	9,927
10/29/14	Off line		3,711,985	2,451,714	970,574	6,515,889	7,486,463	6,163,699	71,710,725	--	9,927
10/30/14	Off line		3,711,985	2,451,714	970,574	6,515,889	7,486,463	6,163,699	71,710,725	--	9,927
10/31/14	Off line		3,711,985	2,451,714	970,574	6,515,889	7,486,463	6,163,699	71,710,725	--	9,927

Cumulative Groundwater Discharged by the GWETS to Date (gallons)							
Period	October	Quarter 1, 2014	Quarter 2, 2014	Quarter 3, 2014	Quarter 4, 2014	2014 to Date	April 1996 to Date
Volume	54,600	1,950,806	812,185	1,055,925	54,600	3,873,516	71,710,725

Cumulative Mass DRO Removed by the GWETS <sup>A</sup> (lb)			
Period	October	Quarter 4 to Date	April 1996 to Date
Mass	0.33	0.33	9,926.67

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

**Legend / Notes:**

1 = GWETS off line since manually shut down on 09/26/14.

2 = GWETS restarted.

3 = Collected monthly process, intermediate, and effluent water samples for laboratory analysis.

4 = GWETS manually shut down for semi-annual groundwater monitoring and sampling event.

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: 09/17/14 and 10/20/14 (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 - November**  
 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)
11/01/14	Off line		3,711,985	2,451,714	970,574	6,515,889	7,486,463	6,163,699	71,710,725	--	9,927
11/02/14	Off line		3,711,985	2,451,714	970,574	6,515,889	7,486,463	6,163,699	71,710,725	--	9,927
11/03/14	Technician	1	3,711,985	2,451,714	970,574	6,515,889	7,486,463	6,163,699	71,710,725	--	9,927
11/04/14	*		3,718,610	2,456,714	975,783	6,521,532	7,497,315	6,175,323	71,729,263	--	9,927
11/05/14	Technician		3,724,015	2,460,794	980,033	6,526,137	7,506,170	6,184,809	71,744,390	--	9,927
11/06/14	*		3,730,784	2,465,828	983,586	6,529,411	7,512,997	6,196,612	71,757,872	--	9,927
11/07/14	Technician		3,737,436	2,470,775	987,077	6,532,628	7,519,705	6,208,211	71,771,120	--	9,927
11/08/14	*		3,743,767	2,476,480	990,987	6,535,823	7,526,810	6,220,246	71,785,653	--	9,927
11/09/14	*		3,750,097	2,482,184	994,897	6,539,017	7,533,914	6,232,282	71,800,185	--	9,927
11/10/14	*		3,756,428	2,487,889	998,807	6,542,212	7,541,019	6,244,317	71,814,718	--	9,927
11/11/14	Technician	2	3,762,737	2,493,574	1,002,704	6,545,395	7,548,099	6,256,311	71,829,200	--	9,927
11/12/14	Off line		3,762,737	2,493,574	1,002,704	6,545,395	7,548,099	6,256,311	71,829,200	--	9,927
11/13/14	Off line		3,762,737	2,493,574	1,002,704	6,545,395	7,548,099	6,256,311	71,829,200	--	9,927
11/14/14	Off line		3,762,737	2,493,574	1,002,704	6,545,395	7,548,099	6,256,311	71,829,200	--	9,927
11/15/14	Off line		3,762,737	2,493,574	1,002,704	6,545,395	7,548,099	6,256,311	71,829,200	--	9,927
11/16/14	Off line		3,762,737	2,493,574	1,002,704	6,545,395	7,548,099	6,256,311	71,829,200	--	9,927
11/17/14	Technician	1,3,2	3,762,737	2,493,574	1,002,704	6,545,395	7,548,099	6,256,311	71,829,200	260	9,927
11/18/14	Off line		3,762,857	2,493,692	1,002,763	6,545,455	7,548,219	6,256,549	71,829,505	--	9,927
11/19/14	Off line		3,762,977	2,493,810	1,002,823	6,545,516	7,548,339	6,256,787	71,829,810	--	9,927
11/20/14	Off line		3,763,097	2,493,927	1,002,882	6,545,576	7,548,459	6,257,025	71,830,114	--	9,927
11/21/14	Off line		3,763,218	2,494,045	1,002,942	6,545,637	7,548,579	6,257,263	71,830,419	--	9,927
11/22/14	Off line		3,763,338	2,494,163	1,003,001	6,545,697	7,548,698	6,257,501	71,830,724	--	9,927
11/23/14	Off line		3,763,458	2,494,281	1,003,061	6,545,758	7,548,818	6,257,738	71,831,029	--	9,927
11/24/14	Off line		3,763,578	2,494,398	1,003,120	6,545,818	7,548,938	6,257,976	71,831,333	--	9,927
11/25/14	Off line		3,763,698	2,494,516	1,003,180	6,545,878	7,549,058	6,258,214	71,831,638	--	9,927
11/26/14	Off line		3,763,818	2,494,634	1,003,239	6,545,939	7,549,178	6,258,452	71,831,943	--	9,927
11/27/14	Off line		3,763,939	2,494,752	1,003,299	6,545,999	7,549,298	6,258,690	71,832,248	--	9,927
11/28/14	Off line		3,764,059	2,494,869	1,003,358	6,546,060	7,549,418	6,258,928	71,832,552	--	9,927
11/29/14	Off line		3,764,179	2,494,987	1,003,418	6,546,120	7,549,538	6,259,166	71,832,857	--	9,927
11/30/14	Off line		3,764,299	2,495,105	1,003,477	6,546,181	7,549,658	6,259,404	71,833,162	--	9,927

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	November	Quarter 1, 2014	Quarter 2, 2014	Quarter 3, 2014	Quarter 4, 2014	2014 to Date	April 1996 to Date
Volume	122,437	1,950,806	812,185	1,055,925	177,037	3,995,953	71,833,162

Cumulative Mass DRO Removed by the GWETS <sup>A</sup> (lb)			
Period	November	Quarter 4 to Date	April 1996 to Date
Mass	0.56	0.89	9,927.23

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

**Legend / Notes:**

- 1 = GWETS 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: 10/20/14 and 11/17/14 (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 - December**  
 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)
12/01/14	Off line		3,764,419	2,495,223	1,003,536	6,546,241	7,549,778	6,259,642	71,833,467	--	9,927
12/02/14	Off line		3,764,539	2,495,340	1,003,596	6,546,301	7,549,897	6,259,880	71,833,771	--	9,927
12/03/14	Off line		3,764,660	2,495,458	1,003,655	6,546,362	7,550,017	6,260,118	71,834,076	--	9,927
12/04/14	Off line		3,764,780	2,495,576	1,003,715	6,546,422	7,550,137	6,260,356	71,834,381	--	9,927
12/05/14	Off line		3,764,900	2,495,694	1,003,774	6,546,483	7,550,257	6,260,593	71,834,686	--	9,927
12/06/14	Off line		3,765,020	2,495,811	1,003,834	6,546,543	7,550,377	6,260,831	71,834,990	--	9,927
12/07/14	Off line		3,765,140	2,495,929	1,003,893	6,546,604	7,550,497	6,261,069	71,835,295	--	9,927
12/08/14	Off line		3,765,260	2,496,047	1,003,953	6,546,664	7,550,617	6,261,307	71,835,600	--	9,927
12/09/14	Off line		3,765,381	2,496,165	1,004,012	6,546,725	7,550,737	6,261,545	71,835,905	--	9,927
12/10/14	Off line		3,765,501	2,496,282	1,004,072	6,546,785	7,550,857	6,261,783	71,836,209	--	9,927
12/11/14	Off line		3,765,621	2,496,400	1,004,131	6,546,845	7,550,976	6,262,021	71,836,514	--	9,927
12/12/14	Off line		3,765,741	2,496,518	1,004,191	6,546,906	7,551,096	6,262,259	71,836,819	--	9,927
12/13/14	Off line		3,765,861	2,496,636	1,004,250	6,546,966	7,551,216	6,262,497	71,837,124	--	9,927
12/14/14	Off line		3,765,981	2,496,753	1,004,309	6,547,027	7,551,336	6,262,735	71,837,428	--	9,927
12/15/14	Off line		3,766,102	2,496,871	1,004,369	6,547,087	7,551,456	6,262,973	71,837,733	--	9,927
12/16/14	Off line		3,766,222	2,496,989	1,004,428	6,547,148	7,551,576	6,263,211	71,838,038	--	9,927
12/17/14	Technician	1,2,3	3,766,331	2,497,096	1,004,483	6,547,203	7,551,685	6,263,427	71,838,315	190	9,927
12/18/14	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
12/19/14	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
12/20/14	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
12/21/14	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
12/22/14	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
12/23/14	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
12/24/14	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
12/25/14	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
12/26/14	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
12/27/14	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
12/28/14	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
12/29/14	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
12/30/14	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
12/31/14	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

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	December	Quarter 1, 2014	Quarter 2, 2014	Quarter 3, 2014	Quarter 4, 2014	2014 to Date	April 1996 to Date
Volume	5,153	1,950,806	812,185	1,055,925	182,190	4,001,106	71,838,315

Cumulative Mass DRO Removed by the GWETS <sup>A</sup> (lb)			
Period	December	Quarter 4 to Date	April 1996 to Date
Mass	0.01	0.90	9,927.24

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

**Legend / Notes:**

- 1 = GWETS 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: 11/17/14 and 12/17/14 (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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October 30, 2014

Neil Irish

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

**Re : DFSP Norwalk GWETS NPDES Monthly / 04-NDLA-001  
A5331132 / 4J20004**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/20/14 17:10 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:** A5331132  
**Date Received:** 10/20/14  
**Date Reported:** 10/30/14

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

Effluent	4J20004-01	Water	5	10/20/14 10:40	10/20/14 17:10
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**Arsenic Total EPA 200.7**

Effluent	4J20004-01	Water	5	10/20/14 10:40	10/20/14 17:10
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**Diesel Range Organics 8015M**

Effluent	4J20004-01	Water	5	10/20/14 10:40	10/20/14 17:10
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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:** A5331132  
**Date Received:** 10/20/14  
**Date Reported:** 10/30/14  
**Units:** ug/L

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<b>Date Sampled:</b>	10/20/14		
<b>Date Prepared:</b>	10/23/14		
<b>Date Analyzed:</b>	10/23/14		
<b>AA ID No:</b>	4J20004-01		
<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	96%	70-140	
Dibromofluoromethane	95%	70-140	
Toluene-d8	102%	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:** A5331132  
**Date Received:** 10/20/14  
**Date Reported:** 10/30/14  
**Units:** ug/L

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<b>Date Sampled:</b>	10/20/14		
<b>Date Prepared:</b>	10/24/14		
<b>Date Analyzed:</b>	10/25/14		
<b>AA ID No:</b>	4J20004-01		
<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	76%	<b><u>%REC Limits</u></b>	50-150
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**Viorel Vasile**  
Operations Manager

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## LABORATORY ANALYSIS RESULTS

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

**AA Project No:** A5331132  
**Date Received:** 10/20/14  
**Date Reported:** 10/30/14

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>									
4J20004-01	Effluent	10/20/14	10/23/14	10/23/14	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:** A5331132  
**Date Received:** 10/20/14  
**Date Reported:** 10/30/14

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 B4J2310 - EPA 5030B

##### Blank (B4J2310-BLK1)

Prepared & Analyzed: 10/23/14

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

Surrogate: 4-Bromofluorobenzene	49.4		ug/L	50		98.7	70-140			
Surrogate: Dibromofluoromethane	49.2		ug/L	50		98.4	70-140			
Surrogate: Toluene-d8	49.6		ug/L	50		99.2	70-140			

##### LCS (B4J2310-BS1)

Prepared & Analyzed: 10/23/14

Benzene	19.6	0.20	ug/L	20		98.0	75-125			
Ethylbenzene	20.8	0.20	ug/L	20		104	75-125			
Methyl-tert-Butyl Ether (MTBE)	21.7	0.40	ug/L	20		108	70-135			
Toluene	21.6	0.30	ug/L	20		108	75-125			
o-Xylene	19.4	0.30	ug/L	20		97.2	75-125			

Surrogate: 4-Bromofluorobenzene	47.9		ug/L	50		95.9	70-140			
Surrogate: Dibromofluoromethane	49.2		ug/L	50		98.5	70-140			
Surrogate: Toluene-d8	49.1		ug/L	50		98.1	70-140			

##### Matrix Spike (B4J2310-MS1)

Source: 4J20004-01 Prepared & Analyzed: 10/23/14

Benzene	19.7	0.20	ug/L	20		98.5	70-130			
Ethylbenzene	21.5	0.20	ug/L	20		108	70-130			
Methyl-tert-Butyl Ether (MTBE)	17.0	0.40	ug/L	20	<2.0	84.8	70-130			
Toluene	21.0	0.30	ug/L	20		105	70-130			

Surrogate: 4-Bromofluorobenzene	48.4		ug/L	50		96.9	70-140			
Surrogate: Dibromofluoromethane	48.4		ug/L	50		96.7	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:** A5331132  
**Date Received:** 10/20/14  
**Date Reported:** 10/30/14

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 B4J2310 - EPA 5030B

**Matrix Spike (B4J2310-MS1) Continued Source: 4J20004-01** Prepared & Analyzed: 10/23/14

Surrogate: Toluene-d8 51.2 ug/L 50 102 70-140

**Matrix Spike Dup (B4J2310-MSD1) Source: 4J20004-01** Prepared & Analyzed: 10/23/14

Benzene	19.8	0.20	ug/L	20		99.0	70-130	0.456	30	
Ethylbenzene	21.2	0.20	ug/L	20		106	70-130	1.50	30	
Methyl-tert-Butyl Ether (MTBE)	16.8	0.40	ug/L	20	<2.0	83.8	70-130	1.13	30	
Toluene	20.9	0.30	ug/L	20		104	70-130	0.621	30	

Surrogate: 4-Bromofluorobenzene 48.5 ug/L 50 96.9 70-140

Surrogate: Dibromofluoromethane 49.2 ug/L 50 98.5 70-140

Surrogate: Toluene-d8 51.0 ug/L 50 102 70-140

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

Batch B4J2402 - EPA 3510C

**Blank (B4J2402-BLK1)** Prepared: 10/24/14 Analyzed: 10/25/14

Diesel Range Organics as Diesel <60 60 ug/L

Surrogate: o-Terphenyl 33.2 ug/L 40 83.0 50-150

**LCS (B4J2402-BS1)** Prepared: 10/24/14 Analyzed: 10/25/14

Diesel Range Organics as Diesel 601 60 ug/L 800 75.1 75-125 30

Surrogate: o-Terphenyl 34.6 ug/L 40 86.6 50-150

**LCS Dup (B4J2402-BSD1)** Prepared: 10/24/14 Analyzed: 10/25/14

Diesel Range Organics as Diesel 608 60 ug/L 800 76.0 75-125 1.25 30

Surrogate: o-Terphenyl 31.0 ug/L 40 77.4 50-150

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

Batch B4J2302 - EPA 3010A

**Blank (B4J2302-BLK1)** Prepared & Analyzed: 10/23/14

Arsenic <0.0060 0.0060 mg/L

**LCS (B4J2302-BS1)** Prepared & Analyzed: 10/23/14

Arsenic 0.206 0.0060 mg/L 0.20 103 80-120 20

**LCS Dup (B4J2302-BSD1)** Prepared & Analyzed: 10/23/14

Arsenic 0.199 0.0060 mg/L 0.20 99.5 80-120 3.55 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:** A5331132  
**Date Received:** 10/20/14  
**Date Reported:** 10/30/14

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 B4J2302 - EPA 3010A</i>										
<b>Duplicate (B4J2302-DUP1) Source: 4J20005-04</b> Prepared & Analyzed: 10/23/14										
Arsenic	<0.0060	0.0060	mg/L						30	
<b>Matrix Spike (B4J2302-MS1) Source: 4J20004-01</b> Prepared & Analyzed: 10/23/14										
Arsenic	0.247	0.0060	mg/L	0.20	<0.0070	124	75-125		20	
<b>Matrix Spike Dup (B4J2302-MSD1) Source: 4J20004-01</b> Prepared & Analyzed: 10/23/14										
Arsenic	0.228	0.0060	mg/L	0.20	<0.0070	114	75-125	8.18	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:** A5331132  
**Date Received:** 10/20/14  
**Date Reported:** 10/30/14

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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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December 11, 2014

Neil Irish

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

**Re : DFSP Norwalk GWETS NPDES Annually / 04-NDLA-001  
A5331160 / 4K17004**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 11/17/14 15:39 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile  
Operations Manager



## LABORATORY ANALYSIS RESULTS

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

**AA Project No:** A5331160  
**Date Received:** 11/17/14  
**Date Reported:** 12/11/14

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

Effluent	4K17004-01	Water	5	11/17/14 11:20	11/17/14 15:39
Effluent-Dup	4K17004-02	Water	5	11/17/14 11:25	11/17/14 15:39

**Arsenic Total EPA 200.7**

Effluent	4K17004-01	Water	5	11/17/14 11:20	11/17/14 15:39
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**BOD SM5210B**

Effluent	4K17004-01	Water	5	11/17/14 11:20	11/17/14 15:39
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**Chlorine Residual SM 4500 Cl G**

Effluent	4K17004-01	Water	5	11/17/14 11:20	11/17/14 15:39
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**Copper Total EPA 200.7**

Effluent	4K17004-01	Water	5	11/17/14 11:20	11/17/14 15:39
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**Diesel Range Organics 8015M**

Effluent	4K17004-01	Water	5	11/17/14 11:20	11/17/14 15:39
Effluent-Dup	4K17004-02	Water	5	11/17/14 11:25	11/17/14 15:39

**HEM Oil and Grease 1664**

Effluent	4K17004-01	Water	5	11/17/14 11:20	11/17/14 15:39
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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 Annually

**AA Project No:** A5331160  
**Date Received:** 11/17/14  
**Date Reported:** 12/11/14

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

Effluent 4K17004-01 Water 5 11/17/14 11:20 11/17/14 15:39

**Phenols 420.1**

Effluent 4K17004-01 Water 5 11/17/14 11:20 11/17/14 15:39

**SS SM2540F**

Effluent 4K17004-01 Water 5 11/17/14 11:20 11/17/14 15:39

**Sulfide SM4500-S=D**

Effluent 4K17004-01 Water 5 11/17/14 11:20 11/17/14 15:39

**TDS SM2540C**

Effluent 4K17004-01 Water 5 11/17/14 11:20 11/17/14 15:39

**TSS SM2540D**

Effluent 4K17004-01 Water 5 11/17/14 11:20 11/17/14 15:39

**Turbidity 180.1**

Effluent 4K17004-01 Water 5 11/17/14 11:20 11/17/14 15:39

**Viorel Vasile**  
Operations Manager



**LABORATORY ANALYSIS RESULTS**

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

**AA Project No:** A5331160  
**Date Received:** 11/17/14  
**Date Reported:** 12/11/14

<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>									
4K17004-01	Effluent	11/17/14	11/19/14	11/24/14	1	<5.0	mg/L	5	5
<b><u>Chlorine Residual SM 4500 Cl G (EPA 330.3)</u></b>									
4K17004-01	Effluent	11/17/14	11/18/14	11/18/14	1	<0.10	mg/L	0.1	0.5
<b><u>HEM Oil and Grease 1664 (EPA 1664)</u></b>									
4K17004-01	Effluent	11/17/14	11/25/14	11/26/14	1	<b>4.2J</b>	mg/L	1	5
<b><u>MBAS SM5540C (SM5540C) *</u></b>									
4K17004-01	Effluent	11/17/14	11/18/14	11/18/14	1	<0.050	mg/L	0.05	0.05
<b><u>Phenols 420.1 (EPA 420.1) *</u></b>									
4K17004-01	Effluent	11/17/14	11/24/14	11/24/14	1	<0.15	mg/L	0.15	0.3
<b><u>SS SM2540F (SM2540F)</u></b>									
4K17004-01	Effluent	11/17/14	11/18/14	11/18/14	1	<0.100	mL/L	0.1	0.1
<b><u>Sulfide SM4500-S=D (SM4500-S=D)</u></b>									
4K17004-01	Effluent	11/17/14	11/18/14	11/18/14	1	<0.027	mg/L	0.027	0.05
<b><u>TDS SM2540C (SM2540C)</u></b>									
4K17004-01	Effluent	11/17/14	11/17/14	11/18/14	5	<b>1800</b>	mg/L	6.2	10
<b><u>TSS SM2540D (SM2540D)</u></b>									
4K17004-01	Effluent	11/17/14	11/21/14	11/21/14	1	<b>17</b>	mg/L	5	10
<b><u>Turbidity 180.1 (EPA 180.1)</u></b>									
4K17004-01	Effluent	11/17/14	11/18/14	11/18/14	1	<b>26</b>	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 Annually  
**Method:** TPHG/BTEX/Oxygenates by GC/MS

**AA Project No:** A5331160  
**Date Received:** 11/17/14  
**Date Reported:** 12/11/14  
**Units:** ug/L

<b>Date Sampled:</b>	11/17/14	11/17/14		
<b>Date Prepared:</b>	11/21/14	11/21/14		
<b>Date Analyzed:</b>	11/21/14	11/21/14		
<b>AA ID No:</b>	4K17004-01	4K17004-02		
<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-Butyl alcohol (TBA)	<7.0	<7.0	7.0	10
Gasoline Range Organics (GRO)	<40	<40	40	100
Methyl-tert-Butyl Ether (MTBE)	<0.40	<0.40	0.40	2.0

**Surrogates**

			<b><u>%REC Limits</u></b>	
4-Bromofluorobenzene	100%	102%	70-140	
Dibromofluoromethane	95%	96%	70-140	
Toluene-d8	102%	99%	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 Annually  
**Method:** Diesel Range Organics by GC/FID

**AA Project No:** A5331160  
**Date Received:** 11/17/14  
**Date Reported:** 12/11/14  
**Units:** ug/L

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<b>Date Sampled:</b>	11/17/14	11/17/14		
<b>Date Prepared:</b>	11/20/14	11/20/14		
<b>Date Analyzed:</b>	11/21/14	11/21/14		
<b>AA ID No:</b>	4K17004-01	4K17004-02		
<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	105%	109%	<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 Annually  
**Method:** Total Metals by ICP Atomic Emission Spectroscopy

**AA Project No:** A5331160  
**Date Received:** 11/17/14  
**Date Reported:** 12/11/14

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>									
4K17004-01	Effluent	11/17/14	11/21/14	11/24/14	1	<0.0060	mg/L	0.006	0.007
<b><u>Copper Total EPA 200.7 (EPA 200.7)</u></b>									
4K17004-01	Effluent	11/17/14	11/21/14	11/24/14	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 Annually

**AA Project No:** A5331160  
**Date Received:** 11/17/14  
**Date Reported:** 12/11/14

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>General Chemistry Analyses - Quality Control</b>										
<i>Batch B4K1813 - NO PREP</i>										
<b>Blank (B4K1813-BLK1)</b>				Prepared & Analyzed: 11/18/14						
Sulfide	<0.027	0.027	mg/L							
<b>LCS (B4K1813-BS1)</b>				Prepared & Analyzed: 11/18/14						
Sulfide	<b>0.586</b>	0.027	mg/L	0.50		117	80-120			
<b>LCS Dup (B4K1813-BSD1)</b>				Prepared & Analyzed: 11/18/14						
Sulfide	<b>0.533</b>	0.027	mg/L	0.50		107	80-120	9.47	25	
<b>Duplicate (B4K1813-DUP1)</b>				Source: 4K17002-05 Prepared & Analyzed: 11/18/14						
Sulfide	<0.027	0.027	mg/L						200	
<b>Matrix Spike (B4K1813-MS1)</b>				Source: 4K17004-01 Prepared & Analyzed: 11/18/14						
Sulfide	<b>0.555</b>	0.027	mg/L	0.50	<0.050	111	75-125			
<b>Matrix Spike Dup (B4K1813-MSD1)</b>				Source: 4K17004-01 Prepared & Analyzed: 11/18/14						
Sulfide	<b>0.564</b>	0.027	mg/L	0.50	<0.050	113	75-125	1.61	25	
<i>Batch B4K1814 - NO PREP</i>										
<b>Blank (B4K1814-BLK1)</b>				Prepared & Analyzed: 11/18/14						
Chlorine Residual	<0.10	0.10	mg/L							
<b>Duplicate (B4K1814-DUP1)</b>				Source: 4K17004-01 Prepared & Analyzed: 11/18/14						
Chlorine Residual	<0.10	0.10	mg/L		<0.50				25	
<i>Batch B4K1815 - NO PREP</i>										
<b>Blank (B4K1815-BLK1)</b>				Prepared & Analyzed: 11/18/14						
Total Settleable Solids	<0.100	0.100	mL/L							
<i>Batch B4K1816 - NO PREP</i>										
<b>Blank (B4K1816-BLK1)</b>				Prepared & Analyzed: 11/18/14						
Turbidity	<0.17	0.17	NTU							
<b>Duplicate (B4K1816-DUP1)</b>				Source: 4K17004-01 Prepared & Analyzed: 11/18/14						
Turbidity	<b>25.8</b>	0.34	NTU		25.8			0.00	20	
<i>Batch B4K1914 - NO PREP</i>										
<b>Blank (B4K1914-BLK1)</b>				Prepared: 11/17/14 Analyzed: 11/18/14						
Total Dissolved Solids	<6.2	6.2	mg/L							
<b>LCS (B4K1914-BS1)</b>				Prepared: 11/17/14 Analyzed: 11/18/14						
Total Dissolved Solids	<b>58.0</b>	6.2	mg/L	50		116	80-120			

**Viorel Vasile**  
 Operations Manager



**LABORATORY ANALYSIS RESULTS**

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

**AA Project No:** A5331160  
**Date Received:** 11/17/14  
**Date Reported:** 12/11/14

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 B4K1914 - NO PREP*

<b>LCS Dup (B4K1914-BSD1)</b>	Prepared: 11/17/14 Analyzed: 11/18/14									
Total Dissolved Solids	49.0	6.2	mg/L	50	98.0	80-120	16.8	25		
<b>Duplicate (B4K1914-DUP1)</b>	Source: 4K12010-02 Prepared: 11/17/14 Analyzed: 11/18/14									
Total Dissolved Solids	2660	62	mg/L	2850	6.90		20			

*Batch B4K2421 - NO PREP*

<b>Blank (B4K2421-BLK1)</b>	Prepared & Analyzed: 11/21/14									
Total Suspended Solids	<5.0	5.0	mg/L							
<b>LCS (B4K2421-BS1)</b>	Prepared & Analyzed: 11/21/14									
Total Suspended Solids	53.0	5.0	mg/L	50	106	80-120				
<b>LCS Dup (B4K2421-BSD1)</b>	Prepared & Analyzed: 11/21/14									
Total Suspended Solids	51.5	5.0	mg/L	50	103	80-120	2.87	20		
<b>Duplicate (B4K2421-DUP1)</b>	Source: 4K17004-01 Prepared & Analyzed: 11/21/14									
Total Suspended Solids	19.6	5.0	mg/L	16.8	15.4		20			

*Batch B4K2504 - NO PREP*

<b>Blank (B4K2504-BLK1)</b>	Prepared: 11/25/14 Analyzed: 11/26/14									
HEM (Oil and Grease)	<1.0	1.0	mg/L							
<b>LCS (B4K2504-BS1)</b>	Prepared: 11/25/14 Analyzed: 11/26/14									
HEM (Oil and Grease)	47.1	1.0	mg/L	40	118	75-125				
<b>LCS Dup (B4K2504-BSD1)</b>	Prepared: 11/25/14 Analyzed: 11/26/14									
HEM (Oil and Grease)	46.2	1.0	mg/L	40	116	75-125	1.93	30		

*Batch B4L1101 - \*\*\* DEFAULT PREP \*\*\**

<b>Blank (B4L1101-BLK1)</b>	Prepared: 11/19/14 Analyzed: 11/24/14										*
Biochemical Oxygen Demand	<5.0	5.0	mg/L								
<b>LCS (B4L1101-BS1)</b>	Prepared: 11/19/14 Analyzed: 11/24/14										*
Biochemical Oxygen Demand	182	5.0	mg/L	200	92.1	80-120					

*Batch B4L1102 - NO PREP*

<b>Blank (B4L1102-BLK1)</b>	Prepared & Analyzed: 11/24/14										*
Phenolics	<0.15	0.15	mg/L								
<b>LCS (B4L1102-BS1)</b>	Prepared & Analyzed: 11/24/14										*
Phenolics	0.441	0.15	mg/L	0.50	88.2	80-120					

**Viorel Vasile**  
 Operations Manager



LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331160
Date Received: 11/17/14
Date Reported: 12/11/14

Table 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 B4L1102 - NO PREP

Table for Batch B4L1102 containing LCS Dup, Matrix Spike, and Matrix Spike Dup results for Phenolics.

Batch B4L1103 - NO PREP

Table for Batch B4L1103 containing Blank, LCS, and Matrix Spike Dup results for Methylene Blue Active Substances.

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

Batch B4K2108 - EPA 5030B

Table for Batch B4K2108 listing various compounds like tert-Amyl Methyl Ether, Benzene, etc., with their respective results and limits.

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 Annually

**AA Project No:** A5331160  
**Date Received:** 11/17/14  
**Date Reported:** 12/11/14

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
<b>TPHG/BTEX/Oxygenates by GC/MS - Quality Control</b>										
<i>Batch B4K2108 - EPA 5030B</i>										
<b>Blank (B4K2108-BLK1) Continued</b>					Prepared & Analyzed: 11/21/14					
Surrogate: 4-Bromofluorobenzene	49.2		ug/L	50		98.4	70-140			
Surrogate: Dibromofluoromethane	45.0		ug/L	50		90.0	70-140			
Surrogate: Toluene-d8	53.2		ug/L	50		106	70-140			
<b>LCS (B4K2108-BS1)</b>					Prepared & Analyzed: 11/21/14					
Benzene	19.5	0.20	ug/L	20		97.6	75-125			
Ethylbenzene	21.9	0.20	ug/L	20		109	75-125			
Methyl-tert-Butyl Ether (MTBE)	17.3	0.40	ug/L	20		86.5	70-135			
Toluene	21.7	0.30	ug/L	20		108	75-125			
o-Xylene	20.1	0.30	ug/L	20		101	75-125			
Surrogate: 4-Bromofluorobenzene	47.3		ug/L	50		94.6	70-140			
Surrogate: Dibromofluoromethane	46.7		ug/L	50		93.4	70-140			
Surrogate: Toluene-d8	50.7		ug/L	50		101	70-140			
<b>Matrix Spike (B4K2108-MS1)</b>					Source: 4K17004-01 Prepared & Analyzed: 11/21/14					
Benzene	20.5	0.20	ug/L	20		102	70-130			
Ethylbenzene	21.0	0.20	ug/L	20		105	70-130			
Methyl-tert-Butyl Ether (MTBE)	19.7	0.40	ug/L	20	<2.0	98.6	70-130			
Toluene	20.7	0.30	ug/L	20		104	70-130			
Surrogate: 4-Bromofluorobenzene	47.5		ug/L	50		95.0	70-140			
Surrogate: Dibromofluoromethane	48.1		ug/L	50		96.1	70-140			
Surrogate: Toluene-d8	47.3		ug/L	50		94.6	70-140			
<b>Matrix Spike Dup (B4K2108-MSD1)</b>					Source: 4K17004-01 Prepared & Analyzed: 11/21/14					
Benzene	19.7	0.20	ug/L	20		98.6	70-130	3.78	30	
Ethylbenzene	20.6	0.20	ug/L	20		103	70-130	1.68	30	
Methyl-tert-Butyl Ether (MTBE)	19.6	0.40	ug/L	20	<2.0	98.0	70-130	0.661	30	
Toluene	20.0	0.30	ug/L	20		100	70-130	3.34	30	
Surrogate: 4-Bromofluorobenzene	48.8		ug/L	50		97.7	70-140			
Surrogate: Dibromofluoromethane	48.2		ug/L	50		96.3	70-140			
Surrogate: Toluene-d8	48.0		ug/L	50		95.9	70-140			

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

**Viorel Vasile**  
 Operations Manager





### LABORATORY ANALYSIS RESULTS

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

**AA Project No:** A5331160  
**Date Received:** 11/17/14  
**Date Reported:** 12/11/14

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
<b>Diesel Range Organics by GC/FID - Quality Control</b>									
<i>Batch B4K2003 - EPA 3510C</i>									
<b>Blank (B4K2003-BLK1)</b>				Prepared: 11/20/14 Analyzed: 11/21/14					
Diesel Range Organics as Diesel	<60	60	ug/L						
Surrogate: o-Terphenyl	45.2		ug/L	40	113	50-150			
<b>LCS (B4K2003-BS1)</b>				Prepared: 11/20/14 Analyzed: 11/21/14					
Diesel Range Organics as Diesel	<b>792</b>	60	ug/L	800	99.0	75-125		30	
Surrogate: o-Terphenyl	50.3		ug/L	40	126	50-150			
<b>LCS Dup (B4K2003-BSD1)</b>				Prepared: 11/20/14 Analyzed: 11/21/14					
Diesel Range Organics as Diesel	<b>768</b>	60	ug/L	800	95.9	75-125	3.15	30	
Surrogate: o-Terphenyl	48.0		ug/L	40	120	50-150			
<b>Total Metals by ICP Atomic Emission Spectroscopy - Quality Control</b>									
<i>Batch B4K2111 - EPA 3010A</i>									
<b>Blank (B4K2111-BLK1)</b>				Prepared: 11/21/14 Analyzed: 11/24/14					
Arsenic	<0.0060	0.0060	mg/L						
Copper	<0.0020	0.0020	mg/L						
<b>LCS (B4K2111-BS1)</b>				Prepared: 11/21/14 Analyzed: 11/24/14					
Arsenic	<b>0.196</b>	0.0060	mg/L	0.20	98.0	80-120		20	
Copper	<b>0.194</b>	0.0020	mg/L	0.20	96.8	80-120		20	
<b>LCS Dup (B4K2111-BSD1)</b>				Prepared: 11/21/14 Analyzed: 11/24/14					
Arsenic	<b>0.207</b>	0.0060	mg/L	0.20	103	80-120	5.32	20	
Copper	<b>0.188</b>	0.0020	mg/L	0.20	94.0	80-120	2.88	20	
<b>Matrix Spike (B4K2111-MS1)</b>				<b>Source: 4K17004-01</b> Prepared: 11/21/14 Analyzed: 11/24/14					
Arsenic	<b>0.222</b>	0.0060	mg/L	0.20	<0.0070	111	75-125	20	
Copper	<b>0.200</b>	0.0020	mg/L	0.20	<0.0020	99.8	75-125	20	
<b>Matrix Spike Dup (B4K2111-MSD1)</b>				<b>Source: 4K17004-01</b> Prepared: 11/21/14 Analyzed: 11/24/14					
Arsenic	<b>0.238</b>	0.0060	mg/L	0.20	<0.0070	119	75-125	7.13	20
Copper	<b>0.217</b>	0.0020	mg/L	0.20	<0.0020	108	75-125	8.35	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 Annually

**AA Project No:** A5331160  
**Date Received:** 11/17/14  
**Date Reported:** 12/11/14

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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 11/18/2014  
Date Reported 11/25/2014

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

Job Number	Order Date	Client
75086	11/18/2014	AA

Project ID: A5331160/4K17004  
Project Name: PO# SUB02821-A5331160

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

ATL



# AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

A.A. COC No.:

70041855  
Page 1 of 1

Client: AMERICAN ANALYTICS Project Name / No.: AS331160 / 4K17004 Sampler's Name: \_\_\_\_\_

Project Manager: Yvonne Steele Site Address: \_\_\_\_\_ Sampler's Signature: \_\_\_\_\_

Phone: \_\_\_\_\_ City: \_\_\_\_\_ State & Zip: \_\_\_\_\_

Fax: \_\_\_\_\_ P.O. No.: SUB02821-AS331160 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	Special Instructions
4K17004-01	75086-01	11/07/14	1120	Water	3 X X X	No. and TAT
						Thank you

Please enter the TAT Turnaround Codes \*\* below

Relinquished by		Date	Time	Received by
		11/18/14	939	
		11/18/14	1015	
				Received by

A.A. Project No.: \_\_\_\_\_

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.



# American Environmental Testing Laboratory Inc.

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Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • [www.aetlab.com](http://www.aetlab.com)

Page: 1 A

## Ordered By

American Analytics  
9765 Eton Avenue  
Chatsworth, CA 91311-4306

Project ID: A5331160/4K17004  
Date Received 11/18/2014  
Date Reported 11/25/2014

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

Job Number	Order Date	Client
75086	11/18/2014	AA

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 1 samples with the following specification on 11/18/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers	
75086.01	4K17004-01	11/17/2014	Aqueous	3	
Method ^	Submethod	Req Date	Priority	TAT	Units
420.1		11/25/2014	2	Normal	mg/L
SM-5540C		11/25/2014	2	Normal	mg/L
SM5210B		11/25/2014	2	Normal	mg/L

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

Checked By: \_\_\_\_\_

Approved By: \_\_\_\_\_

Cyrus Razmara, Ph.D.  
Laboratory Director



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### ANALYTICAL RESULTS

**Ordered By**

American Analytics  
 9765 Eton Avenue  
 Chatsworth, CA 91311-4306

Telephone: (818)998-5547

Attn: Viorel Vasile

Page: **2**

Project ID: **A5331160/4K17004**

Project Name: **PO# SUB02821-A5331160**

AETL Job Number	Submitted	Client
75086	11/18/2014	AA

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

QC Batch No: 112414-1

Our Lab I.D.		Method Blank	75086.01			
Client Sample I.D.			4K17004-01			
Date Sampled			11/17/2014			
Date Prepared		11/24/2014	11/24/2014			
Preparation Method		420.1	420.1			
Date Analyzed		11/24/2014	11/24/2014			
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: 112414-1; Dup or Spiked Sample: 75086.01; LCS: Clean Water; QC Prepared: 11/24/2014; QC Analyzed: 11/24/2014;  
 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	0.432	86.4	0.500	0.435	87.0	<1	80-120	<15

QC Batch No: 112414-1; Dup or Spiked Sample: 75086.01; LCS: Clean Water; QC Prepared: 11/24/2014; QC Analyzed: 11/24/2014;  
 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	0.441	88.2	0.500	0.450	90.0	2.0	80-120	<20



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### ANALYTICAL RESULTS

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Telephone: (818)998-5547

Attn: Viorel Vasile

Page: **3**

Project ID: **A5331160/4K17004**

Project Name: **PO# SUB02821-A5331160**

<b>AETL Job Number</b>	<b>Submitted</b>	<b>Client</b>
75086	11/18/2014	AA

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

QC Batch No: 111814-1

<b>Our Lab I.D.</b>		Method Blank	<b>75086.01</b>			
Client Sample I.D.			4K17004-01			
Date Sampled			<b>11/17/2014</b>			
Date Prepared		<b>11/18/2014</b>	<b>11/18/2014</b>			
Preparation Method		<b>SM5540C</b>	<b>SM5540C</b>			
Date Analyzed		<b>11/18/2014</b>	<b>11/18/2014</b>			
Matrix		Aqueous	Aqueous			
Units		mg/L	mg/L			
Dilution Factor		1	1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>		
Surfactants (MBAS)	<b>0.05</b>	<b>0.05</b>	<b>ND</b>	<b>ND</b>		

### QUALITY CONTROL REPORT

QC Batch No: 111814-1; Dup or Spiked Sample: 75086.01; LCS: Clean Water; QC Prepared: 11/18/2014; QC Analyzed: 11/18/2014;  
 Units: mg/L

<b>Analytes</b>	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Surfactants (MBAS)	<b>0.00</b>	<b>0.500</b>	<b>0.464</b>	<b>92.8</b>	<b>0.500</b>	<b>0.462</b>	<b>92.4</b>	<b>&lt;1</b>	<b>80-120</b>	<b>&lt;15</b>

QC Batch No: 111814-1; Dup or Spiked Sample: 75086.01; LCS: Clean Water; QC Prepared: 11/18/2014; QC Analyzed: 11/18/2014;  
 Units: mg/L

<b>Analytes</b>	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Surfactants (MBAS)	<b>0.500</b>	<b>0.418</b>	<b>83.6</b>	<b>0.500</b>	<b>0.411</b>	<b>82.2</b>	<b>1.7</b>	<b>80-120</b>	<b>&lt;15</b>	



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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: **4**

Project ID: **A5331160/4K17004**

Project Name: **PO# SUB02821-A5331160**

<b>AETL Job Number</b>	<b>Submitted</b>	<b>Client</b>
75086	11/18/2014	AA

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

QC Batch No: 111914-1

<b>Our Lab I.D.</b>		Method Blank	<b>75086.01</b>			
Client Sample I.D.			4K17004-01			
Date Sampled			<b>11/17/2014</b>			
Date Prepared		<b>11/19/2014</b>	<b>11/19/2014</b>			
Preparation Method		<b>SM5210B</b>	<b>SM5210B</b>			
Date Analyzed		<b>11/24/2014</b>	<b>11/24/2014</b>			
Matrix		Aqueous	Aqueous			
Units		mg/L	mg/L			
Dilution Factor		1	1			
<b>Analytes</b>	<b>MDL</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>		
Biochemical Oxygen Demand (BOD)	<b>5.0</b>	<b>5.0</b>	<b>ND</b>	<b>ND</b>		

### QUALITY CONTROL REPORT

QC Batch No: 111914-1; Dup or Spiked Sample: 75077.01; LCS: Clean Water; LCS Prepared: 11/19/2014; LCS Analyzed: 11/24/2014;

Units: mg/L

<b>Analytes</b>	SM Result	SM DUP Result	RPD %	SM RPD % Limit	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit		
Biochemical Oxygen Demand (BOD)	<b>ND</b>	<b>ND</b>	<b>&lt;1</b>	<b>&lt;15</b>	<b>198</b>	<b>182</b>	<b>91.9</b>	<b>80-120</b>		





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### Data Qualifiers and Descriptors

#### ***Data Qualifier:***

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

#### ***Definition:***

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



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### Data Qualifiers and Descriptors

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

---

# LABORATORY REPORT



**Aquatic  
Testing  
Laboratories**

*"dedicated to providing quality aquatic toxicity testing"*

4350 Transport Street, Unit 107  
Ventura, CA 93003  
(805) 650-0546 FAX (805) 650-0756  
CA ELAP Cert. No.: 1775

**Date:** November 23, 2014

**Client:** American Analytics  
9765 Eton Avenue  
Chatsworth, CA 91311  
Attn: Viorel Vasile

**Laboratory No.:** A-14111803-001  
**Project No.:** A5331160  
**Sample ID.:** 4K17004-01

**Sample Control:** The sample was received by ATL chilled and with the chain of custody record attached.

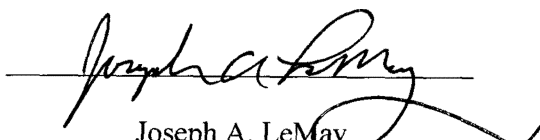
Date Sampled: 11/17/14  
Date Received: 11/18/14  
Temp. Received: 3.6°C  
Chlorine (TRC): 0.0 mg/l  
Date Tested: 11/18/14 to 11/22/14

**Sample Analysis:** The following analyses were performed on your sample:  
Fathead Minnow 96hr Percent Survival Bioassay (EPA-821-R-02-012 Method 2000.0);  
Attached are the test data generated from the analysis of your sample. All testing was conducted under the direct supervision of Joseph A. LeMay. Daily test readings were taken by Joseph A. LeMay (initials: JAL) and Jacob LeMay (initials: J).

## Result Summary:

<u>Sample ID.</u>	<u>Results</u>
4K17004-01	100% Survival (TU <sub>a</sub> = 0.0)

**Quality Control:** Reviewed and approved by:

  
Joseph A. LeMay  
Laboratory Director

## FATHEAD MINNOW PERCENT SURVIVAL TEST EPA Method 2000.0



Lab No.: A-14111803-001

Client/ID: American Analytics 4K17004-01

Start Date: 11/18/2014

### TEST SUMMARY

Species: *Pimephales promelas*.

Age: 14 (1-14) days.

Regulations: NPDES.

Test solution volume: 250 ml.

Feeding: prior to renewal at 48 hrs.

Number of replicates: 4.

Control water: Moderately hard reconstituted water.

Photoperiod: 16/8 hrs light/dark.

Source: In-laboratory Culture.

Test type: Static-Renewal.

Test Protocol: EPA-821-R-02-012.

Endpoints: Percent Survival at 96 hrs.

Test chamber: 600 ml beakers.

Temperature: 20 +/- 1°C.

Number of fish per chamber: 10.

QA/QC No.: RT-141103.

### TEST DATA

		°C	DO	pH	# Dead				Analyst & Time of Readings
					A	B	C	D	
INITIAL	Control	20.0	8.3	7.9	0	0	0	0	↗
	100%	20.1	7.3	7.4	0	0	0	0	
24 Hr	Control	20.1	7.8	8.0	0	0	0	0	↗
	100%	20.1	8.0	8.5	0	0	0	0	
48 Hr	Control	20.2	7.1	7.9	0	0	0	0	↗
	100%	20.3	7.5	8.3	0	0	0	0	
Renewal	Control	20.3	7.3	8.0	0	0	0	0	↗
	100%	20.4	8.1	8.3	0	0	0	0	
72 Hr	Control	20.5	7.4	8.0	0	0	0	0	↗
	100%	20.5	8.2	8.0	0	0	0	0	
96 Hr	Control	20.3	7.2	8.1	0	0	0	0	↗
	100%	20.4	7.3	8.1	0	0	0	0	

**Comments:**

Sample as received: Chlorine: 0.0 mg/l; pH: 7.4; Conductivity: 2421 umho; Temp: 3.6°C;

DO: 5.4 mg/l; Alkalinity: 523 mg/l; Hardness: 898 mg/l; NH<sub>3</sub>-N: 3.0 mg/l.

Sample aerated moderately (approx. 500 ml/min) to raise or lower DO? Yes / No.

Control: Alkalinity: 58 mg/l; Hardness: 88 mg/l; Conductivity: 332 umho.

Test solution aerated (not to exceed 100 bubbles/min) to maintain DO > 4.0 mg/l? Yes / No.

Sample used for renewal is the original sample kept at 0-6°C with minimal headspace.

Dissolved Oxygen (DO) readings in mg/l O<sub>2</sub>.

### RESULTS

Percent Survival In: Control: 100 %      100% Sample: 100 %

*Acquatic Testing Labs*



# AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

A.A. COC No.:  
**70041856**  
Page 1 of 1

Client: AMERICAN ANALYTICS Project Name / No.: AS33160/46704 Sampler's Name:  
 Project Manager: Nicole Valle Site Address: Sampler's Signature:  
 Phone: City: State & Zip: P.O. No.: SUSOL 822-AS33160  
 Fax: 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.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	ANALYSIS REQUESTED (Test Name)										Special Instructions			
						Please enter the TAT Turnaround Codes ** below													
467004-01		11/17/14	1120	Water	1	X													40 CFR part 136
																			EPA 821-R-02-012
																			Normal TA
																			Thank you
For Laboratory Use						Relinquished by		Date	11-18-14	Time	900	Received by							
						Relinquished by		Date	11-18-14	Time	1140	Received by							
A.A. Project No.:						Relinquished by		Date		Time		Received by							

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.



***REFERENCE  
TOXICANT  
DATA***

# FATHEAD MINNOW ACUTE Reference Toxicant - SDS



QA/QC Batch No.: RT-141103

## TEST SUMMARY

Species: *Pimephales promelas*.  
 Age: 14 days old.  
 Regulations: NPDES.  
 Test chamber volume: 250 ml.  
 Feeding: Prior to renewal at 48 hrs.  
 Temperature: 20 +/- 1°C.  
 Number of replicates: 2.  
 Dilution water: MHSF.

Source: In-lab culture.  
 Test type: Static-Renewal.  
 Test Protocol: EPA-821-R-02-012.  
 Endpoints: LC50 at 96 hrs.  
 Test chamber: 600 ml beakers.  
 Aeration: None.  
 Number of organisms per chamber: 10.  
 Photoperiod: 16/8 hrs light/dark.

## TEST DATA

Date/Time:	INITIAL			24 Hr						48 Hr				
	<u>11-3-14 1000</u>			<u>11-4-14</u>			<u>1030</u>			<u>11-5-14 1030</u>				
	<u>ML</u>			<u>2</u>						<u>2</u>				
	°C	DO	pH	°C	DO	pH	# Dead		°C	DO	pH	# Dead		
A							B	A				B		
Control	<u>19.8</u>	<u>9.1</u>	<u>8.1</u>	<u>19.8</u>	<u>8.1</u>	<u>7.9</u>	<u>0</u>	<u>0</u>	<u>20.2</u>	<u>8.1</u>	<u>8.0</u>	<u>0</u>	<u>0</u>	
1.0 mg/l	<u>19.8</u>	<u>9.1</u>	<u>8.1</u>	<u>19.7</u>	<u>8.4</u>	<u>7.9</u>	<u>0</u>	<u>0</u>	<u>20.0</u>	<u>8.2</u>	<u>8.0</u>	<u>0</u>	<u>0</u>	
2.0 mg/l	<u>19.8</u>	<u>9.1</u>	<u>8.1</u>	<u>19.7</u>	<u>8.5</u>	<u>7.9</u>	<u>0</u>	<u>0</u>	<u>20.1</u>	<u>8.2</u>	<u>8.0</u>	<u>0</u>	<u>0</u>	
4.0 mg/l	<u>19.7</u>	<u>8.9</u>	<u>8.1</u>	<u>19.6</u>	<u>8.6</u>	<u>7.9</u>	<u>0</u>	<u>0</u>	<u>20.1</u>	<u>8.2</u>	<u>8.0</u>	<u>0</u>	<u>0</u>	
8.0 mg/l	<u>19.7</u>	<u>9.0</u>	<u>8.1</u>	<u>19.5</u>	<u>8.3</u>	<u>7.9</u>	<u>0</u>	<u>10</u>	-	-	-	-	-	
16.0 mg/l	<u>19.7</u>	<u>9.3</u>	<u>8.1</u>	<u>19.5</u>	<u>7.9</u>	<u>7.9</u>	<u>10</u>	<u>10</u>	-	-	-	-	-	

Date/Time:	RENEWAL			72 Hr						96 Hr				
	<u>11-5-14 1030</u>			<u>11-6-14</u>			<u>1030</u>			<u>11-7-14 1030</u>				
	<u>1</u>			<u>2</u>						<u>2</u>				
	°C	DO	pH	°C	DO	pH	# Dead		°C	DO	pH	# Dead		
A							B	A				B		
Control	<u>20.1</u>	<u>8.4</u>	<u>8.1</u>	<u>19.8</u>	<u>8.7</u>	<u>7.9</u>	<u>0</u>	<u>0</u>	<u>19.7</u>	<u>7.7</u>	<u>8.1</u>	<u>0</u>	<u>0</u>	
1.0 mg/l	<u>20.0</u>	<u>8.6</u>	<u>8.1</u>	<u>19.9</u>	<u>8.4</u>	<u>7.9</u>	<u>0</u>	<u>0</u>	<u>19.6</u>	<u>7.8</u>	<u>8.1</u>	<u>0</u>	<u>0</u>	
2.0 mg/l	<u>19.9</u>	<u>8.7</u>	<u>8.1</u>	<u>19.8</u>	<u>8.6</u>	<u>7.8</u>	<u>0</u>	<u>0</u>	<u>19.6</u>	<u>7.9</u>	<u>8.1</u>	<u>0</u>	<u>0</u>	
4.0 mg/l	<u>20.0</u>	<u>8.8</u>	<u>8.1</u>	<u>19.7</u>	<u>8.5</u>	<u>7.9</u>	<u>0</u>	<u>0</u>	<u>19.7</u>	<u>8.0</u>	<u>8.1</u>	<u>0</u>	<u>0</u>	
8.0 mg/l	-	-	-	-	-	-	-	-	-	-	-	-	-	
16.0 mg/l	-	-	-	-	-	-	-	-	-	-	-	-	-	

Comments: Control: Alkalinity: 62 mg/l; Hardness: 88 mg/l; Conductivity: 300 umho.  
 SDS: Alkalinity: 62 mg/l; Hardness: 88 mg/l; Conductivity: 310 umho.

Concentration-response relationship acceptable? (see attached computer analysis):

Yes (response curve normal)  
 No (dose interrupted indicated or non-normal)

**Acute Fish Test-96 Hr Survival**

Start Date: 11/3/2014 10:00 Test ID: RT141103f Sample ID: REF-Ref Toxicant  
 End Date: 11/7/2014 10:30 Lab ID: CAATL-Aquatic Testing Labs Sample Type: SDS-Sodium dodecyl sulfate  
 Sample Date: 11/3/2014 Protocol: EPAAW02-EPA/821/R-02-01 Test Species: PP-Pimephales promelas  
 Comments:

Conc-mg/L	1	2
D-Control	1.0000	1.0000
1	1.0000	1.0000
2	1.0000	1.0000
4	1.0000	1.0000
8	0.0000	0.0000
16	0.0000	0.0000

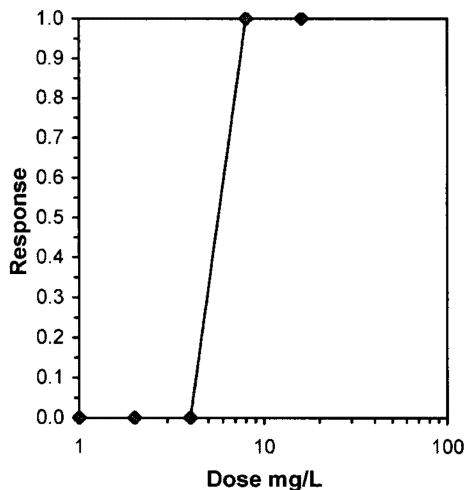
Conc-mg/L	Transform: Arcsin Square Root							Number Resp	Total Number
	Mean	N-Mean	Mean	Min	Max	CV%	N		
D-Control	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	2	0	20
1	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	2	0	20
2	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	2	0	20
4	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	2	0	20
8	0.0000	0.0000	0.1588	0.1588	0.1588	0.000	2	20	20
16	0.0000	0.0000	0.1588	0.1588	0.1588	0.000	2	20	20

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Normality of the data set cannot be confirmed				
Equality of variance cannot be confirmed				

**Graphical Method**

Trim Level	EC50
0.0%	5.6569

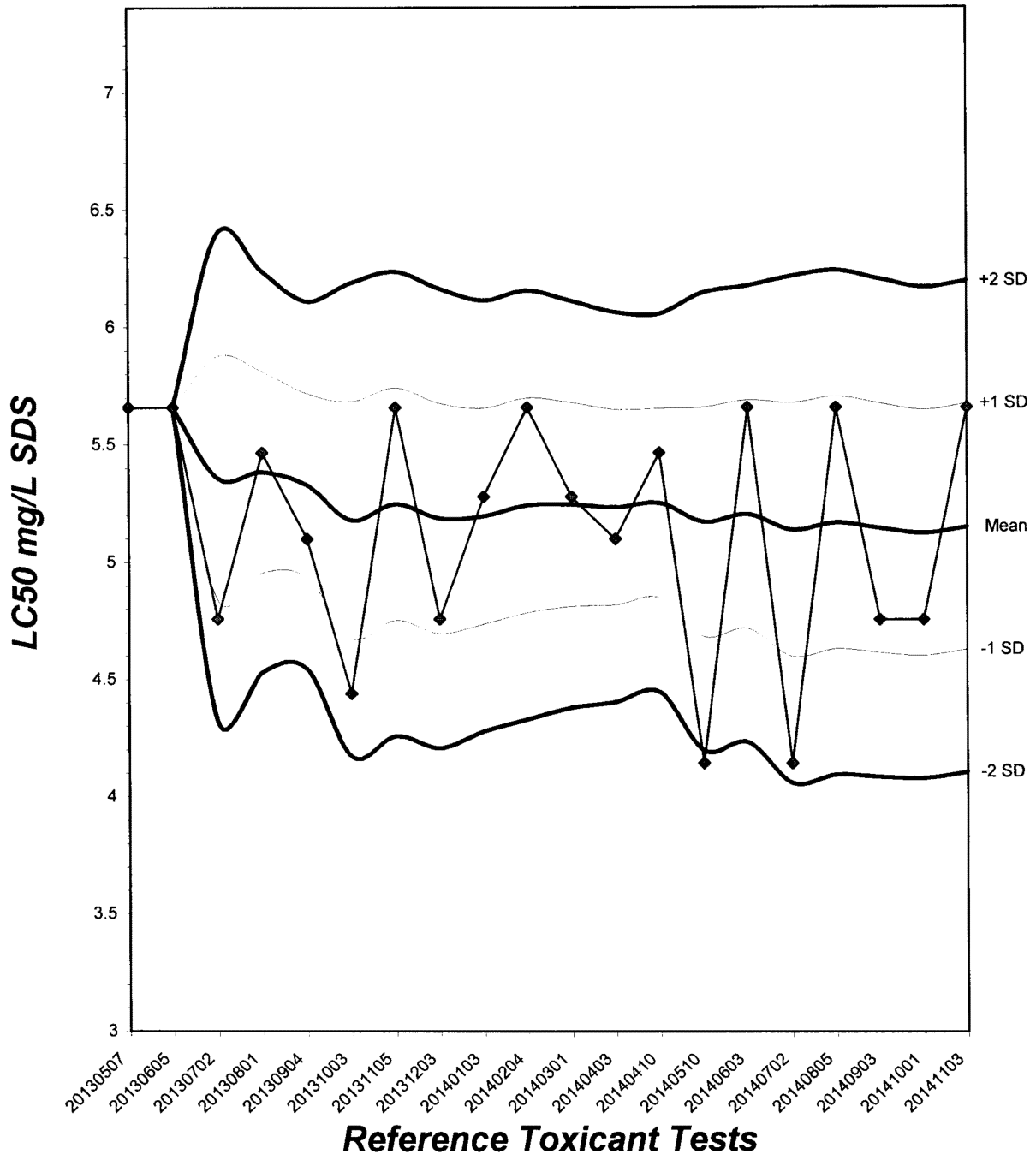
5.6569





# Fathead Minnow Acute Laboratory Control Chart

CV% = 10.2



TEST ORGANISM LOG  
FATHEAD MINNOW - LARVAL  
(*Pimephales promelas*)



QA/QC BATCH NO.: RT-141103

SOURCE: In-Lab Culture

DATE HATCHED: 10-20-14

APPROXIMATE QUANTITY: 40

GENERAL APPEARANCE: good

# MORTALITIES 48 HOURS PRIOR TO  
TO USE IN TESTING: 0

DATE USED IN LAB: 11 / 3 / 14

AVERAGE FISH WEIGHT: 0.006 gm

LOADING LIMITS: 0.65 gm/liter @ 20°C, 0.40 gm/liter @ 25°C

Approximately 1000 fish per 10 liters limit if held overnight for acclimation without filtration @ 20°C for fish with a mean weight of 0.006 gm.

Approximately 650 fish per 10 liters limit if held overnight for acclimation without filtration @ 25°C for fish with a mean weight of 0.006 gm.

200 ml test solution volume = 0.013 gm mean fish weight limit @ 20°C; 0.008 @ 25°C

250 ml test solution volume = 0.016 gm mean fish weight limit @ 20°C; 0.010 @ 25°C

ACCLIMATION WATER QUALITY:

Temp.: 19.8 °C

pH: 8.1 Ammonia: <0.1 mg/l NH<sub>3</sub>-N

DO: 9.1 mg/l

Alkalinity: 62 mg/l

Hardness: 88 mg/l

READINGS RECORDED BY: [Signature]

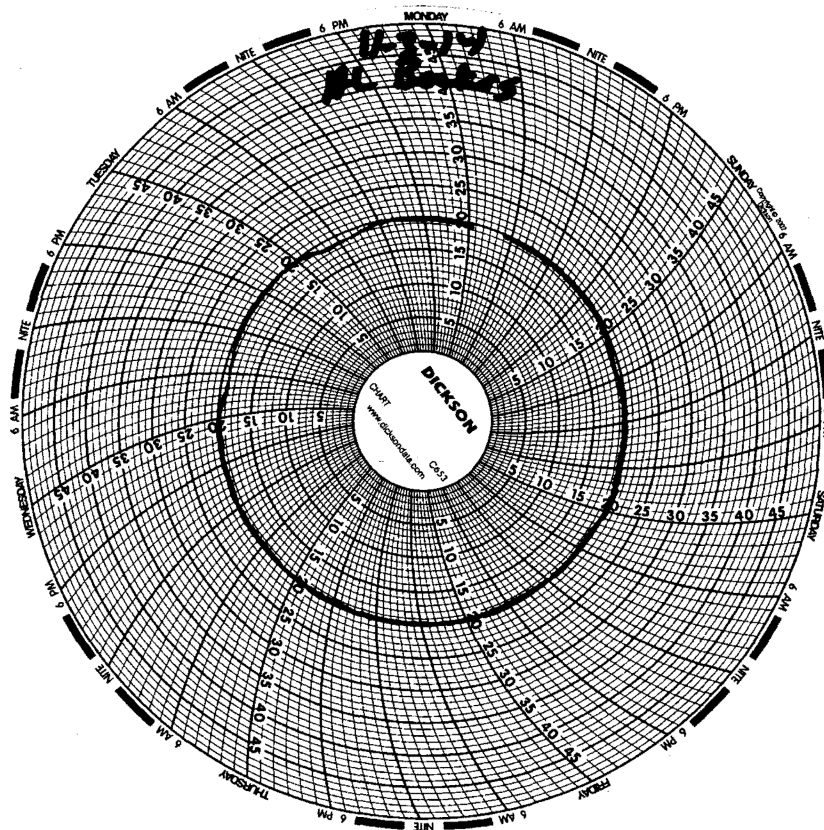
DATE: 11-4-14

# Test Temperature Chart

Test No: *RT-141103*

Date Tested: *11/03/14 to 11/07/14*

Acceptable Range: *20 +/- 1°C*







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

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January 07, 2015

Neil Irish

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

**Re : DFSP Norwalk GWETS NPDES Monthly / 04-NDLA-001  
A5331187 / 4L17012**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 12/17/14 15:23 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:** A5331187  
**Date Received:** 12/17/14  
**Date Reported:** 01/07/15

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

**8260B TPHGASOLINEBTEXOXY**

Effluent	4L17012-01	Water	5	12/17/14 12:20	12/17/14 15:23
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**Arsenic Total EPA 200.7**

Effluent	4L17012-01	Water	5	12/17/14 12:20	12/17/14 15:23
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**Diesel Range Organics 8015M**

Effluent	4L17012-01	Water	5	12/17/14 12:20	12/17/14 15:23
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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:** A5331187  
**Date Received:** 12/17/14  
**Date Reported:** 01/07/15  
**Units:** ug/L

---

<b>Date Sampled:</b>	12/17/14		
<b>Date Prepared:</b>	12/22/14		
<b>Date Analyzed:</b>	12/22/14		
<b>AA ID No:</b>	4L17012-01		
<b>Client ID No:</b>	Effluent		
<b>Matrix:</b>	Water		
<b>Dilution Factor:</b>	1	MDL	MRL

---

**8260B TPHGASOLINEBTEXOXY (EPA 8260B)**

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

---

**Surrogates**

		<b><u>%REC Limits</u></b>	
4-Bromofluorobenzene	90%	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:** A5331187  
**Date Received:** 12/17/14  
**Date Reported:** 01/07/15  
**Units:** ug/L

---

<b>Date Sampled:</b>	12/17/14		
<b>Date Prepared:</b>	12/29/14		
<b>Date Analyzed:</b>	12/30/14		
<b>AA ID No:</b>	4L17012-01		
<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	110	60	100
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**Surrogates**

o-Terphenyl	61%	<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:** A5331187  
**Date Received:** 12/17/14  
**Date Reported:** 01/07/15

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>									
4L17012-01	Effluent	12/17/14	12/19/14	12/22/14	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:** A5331187  
**Date Received:** 12/17/14  
**Date Reported:** 01/07/15

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 B4L2202 - EPA 5030B

##### Blank (B4L2202-BLK1)

Prepared & Analyzed: 12/22/14

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

Surrogate: 4-Bromofluorobenzene	46.2		ug/L	50	92.4	70-140
Surrogate: Dibromofluoromethane	43.0		ug/L	50	86.0	70-140
Surrogate: Toluene-d8	50.9		ug/L	50	102	70-140

##### LCS (B4L2202-BS1)

Prepared: 12/22/14 Analyzed: 12/23/14

Benzene	18.1	0.20	ug/L	20	90.4	75-125
Ethylbenzene	19.6	0.20	ug/L	20	98.2	75-125
Methyl-tert-Butyl Ether (MTBE)	19.0	0.40	ug/L	20	95.0	70-135
Toluene	19.8	0.30	ug/L	20	99.1	75-125
o-Xylene	18.9	0.30	ug/L	20	94.7	75-125

Surrogate: 4-Bromofluorobenzene	45.3		ug/L	50	90.5	70-140
Surrogate: Dibromofluoromethane	45.2		ug/L	50	90.3	70-140
Surrogate: Toluene-d8	49.0		ug/L	50	98.0	70-140

##### Matrix Spike (B4L2202-MS1)

Source: 4L17009-05 Prepared & Analyzed: 12/22/14

Benzene	18.5	0.20	ug/L	20	92.6	70-130
Ethylbenzene	20.8	0.20	ug/L	20	104	70-130
Methyl-tert-Butyl Ether (MTBE)	17.6	0.40	ug/L	20	87.8	70-130
Toluene	20.8	0.30	ug/L	20	104	70-130

Surrogate: 4-Bromofluorobenzene	46.2		ug/L	50	92.3	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: A5331187  
 Date Received: 12/17/14  
 Date Reported: 01/07/15

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 B4L2202 - EPA 5030B

Matrix Spike (B4L2202-MS1) Continued Source: 4L17009-05 Prepared & Analyzed: 12/22/14

Surrogate: Toluene-d8	49.3		ug/L	50		98.6	70-140			
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Matrix Spike Dup (B4L2202-MSD1) Source: 4L17009-05 Prepared & Analyzed: 12/22/14

Benzene	18.5	0.20	ug/L	20		92.5	70-130	0.162	30	
Ethylbenzene	20.0	0.20	ug/L	20		100	70-130	3.63	30	
Methyl-tert-Butyl Ether (MTBE)	18.8	0.40	ug/L	20		93.9	70-130	6.66	30	
Toluene	20.1	0.30	ug/L	20		101	70-130	3.52	30	

Surrogate: 4-Bromofluorobenzene	46.2		ug/L	50		92.3	70-140			
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Surrogate: Dibromofluoromethane	44.4		ug/L	50		88.7	70-140			
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Surrogate: Toluene-d8	47.9		ug/L	50		95.8	70-140			
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#### Diesel Range Organics by GC/FID - Quality Control

Batch B4L2908 - EPA 3510C

Blank (B4L2908-BLK1) Prepared: 12/29/14 Analyzed: 12/30/14

Diesel Range Organics as Diesel	<60	60	ug/L							
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Surrogate: o-Terphenyl	38.6		ug/L	40		96.6	50-150			
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LCS (B4L2908-BS1) Prepared: 12/29/14 Analyzed: 12/30/14

Diesel Range Organics as Diesel	823	60	ug/L	800		103	75-125		30	
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Surrogate: o-Terphenyl	52.7		ug/L	40		132	50-150			
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LCS Dup (B4L2908-BSD1) Prepared: 12/29/14 Analyzed: 12/30/14

Diesel Range Organics as Diesel	745	60	ug/L	800		93.1	75-125	10.0	30	
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Surrogate: o-Terphenyl	52.7		ug/L	40		132	50-150			
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#### Total Metals by ICP Atomic Emission Spectroscopy - Quality Control

Batch B4L2203 - EPA 3010A

Blank (B4L2203-BLK1) Prepared: 12/19/14 Analyzed: 12/22/14

Arsenic	<0.0060	0.0060	mg/L							
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LCS (B4L2203-BS1) Prepared: 12/19/14 Analyzed: 12/22/14

Arsenic	0.181	0.0060	mg/L	0.20		90.6	80-120		20	
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LCS Dup (B4L2203-BSD1) Prepared: 12/19/14 Analyzed: 12/22/14

Arsenic	0.220	0.0060	mg/L	0.20		110	80-120	19.4	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:** A5331187  
**Date Received:** 12/17/14  
**Date Reported:** 01/07/15

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 B4L2203 - EPA 3010A</i>										
<b>Matrix Spike (B4L2203-MS1) Source: 4L17012-01</b> Prepared: 12/19/14 Analyzed: 12/22/14										
Arsenic	0.239	0.0060	mg/L	0.20	<0.0070	119	75-125		20	
<b>Matrix Spike Dup (B4L2203-MSD1) Source: 4L17012-01</b> Prepared: 12/19/14 Analyzed: 12/22/14										
Arsenic	0.233	0.0060	mg/L	0.20	<0.0070	116	75-125	2.55	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:** A5331187  
**Date Received:** 12/17/14  
**Date Reported:** 01/07/15

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### Special Notes

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**Viorel Vasile**  
Operations Manager



**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

**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
108.113	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**

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
<b>Field of Testing: 104 - Volatile Organic Chemistry of Drinking Water</b>			
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