

LETTER OF TRANSMITTAL

Date: October 27, 2014

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Sent By: Aaron Disman, Project Engineer

Attention: Paul Cho, PG
California Regional Water Quality Control Board
Site Cleanup Unit III
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Project: DFSP Norwalk, Norwalk, CA
Submittal: Groundwater Discharge Monitoring Report, Quarter 3, 2014

cc:

Via Email:

Information & Technology Unit, CRWQCB-LA Region
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. Evelyn Herrera, Office of Congresswoman Grace Napolitano
Mr. Jon Wreschinsky, March ARB
Ms. Angelina Mancillas, Office of Congresswoman Linda T. Sánchez
Mr. Luis Gonzalez, Office of State Senator Ron Calderon
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, KMEP
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Ms. Lorena Sierra, John Dolland Elementary School
Mr. Marcos Alamillo, Office of Assemblymember Christina Garcia
Ms. Mary Jane McIntosh, RAB Community Member
Ms. Tracy Winkle, RAB Community Member

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



October 27, 2014

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

Subject: **GROUNDWATER DISCHARGE MONITORING REPORT
QUARTER 3, 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 discharge monitoring report to summarize the National Pollutant Discharge Elimination System (NPDES) monitoring activities for Quarter 3, 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 1,054,870 gallons. Based on the TPHd results for influent water samples and total groundwater extracted, the mass of TPHd removed by the GWETS was approximately 4 pounds (Table 2c) during Quarter 3, 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 Monitoring and Reporting Program. 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.

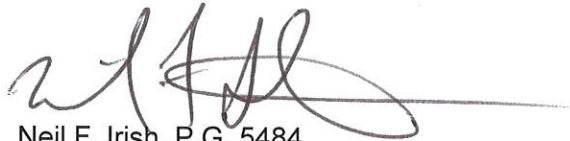
REPORT CERTIFICATION

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



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

Attachments and Distribution on Following Page:

Attachments:

Table 1 – Summary of Effluent Groundwater Analytical Sampling Results – 3rd Quarter 2014
Table 2a – Groundwater Extraction and Treatment System Summary of Operations - July
Table 2b – Groundwater Extraction and Treatment System Summary of Operations - August
Table 2b – Groundwater Extraction and Treatment System Summary of Operations -
September

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

cc: Mr. Paul Cho, LARWQCB
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Ms. Mary Jane McIntosh, RAB Community Member
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Ms. Tracy Winkle, RAB Community Member

TABLES

TABLE 1
Summary of Effluent Groundwater Analytical Sampling Results - 3rd 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	
Daily Discharge Limitation			--	--	--	100 µg/L	5 µg/L	12 µg/L	10 µg/L	15 mg/L	30 µg/L	150 NTU	1.0 mg/L	0.1 mg/L	75 mg/L	0.3 mL/L	0.5 mg/L	1.0 mg/L	30 mg/L	--	
Monthly Discharge Limitation			--	--	--	--	--	--	--	10 mg/L	15 µg/L	50 NTU	--	--	50 mg/L	0.1 mL/L	--	--	20 mg/L	--	
Sample Date	Notes	GWETS Wells On Line	Average Flow Rate	pH	Temp-erature	TPHd	TPHg	MTBE	TBA	Arsenic	Oil & Grease	Copper	Turbidity	Sulfides	Residual Chlorine	Total Suspended Solids	Settleable Solids	MBAS	Phenols	BOD ₅ 20°C	Acute Toxicity
			(gpd)	pH units	°C	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(µg/L)	(NTU)	(mg/L)	(mg/L)	(mg/L)	(mL/L/hr)	(mg/L)	(mg/L)	(mg/L)	(%)
07/09/14	1	GW-2, GW-13, GW-15, GW-16	12.0	7.26	25.5	<60	<40	<0.40	<7.0	9.0	--	--	--	--	--	--	--	--	--	--	--
08/13/14		GW-2, GW-13, GW-15, GW-16	10.9	7.26	26.3	<60	<40	<0.40	<7.0	<6.0	4.5 J	<0.0020	<0.17	<0.027	<0.10	5.3 J	<0.100	<0.050	<0.15	<5.0	--
09/17/14		GW-2, GW-13, GW-15, GW-16	11.7	7.35	27.9	<60	<40	<0.40	<7.0	<6.0	--	--	--	--	--	--	--	--	--	--	--

Legend / Notes:

Data collected prior to July 2014 not verified for completeness nor accuracy. 1 = GWETS restarted on 07/02/14 following manual shutdown on 05/29/14.
 GWETS = Groundwater extraction and treatment system
 TPHd = Total petroleum hydrocarbons as diesel
 TPHg = Total petroleum hydrocarbons as gasoline
 MTBE = Methyl tertiary-butyl ether
 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 Reporting Limit (MRL) shown. Beginning 07/09/14, not detected at or above the Method Detection Limit (MDL) shown.
 -- = Not available or not analyzed
 J = Estimated value. Analyte detected at a level less than the MRL and greater than or equal to the MDL.

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

Date	Data Source	Notes	GW-2 Totalizer Reading (gallons)	GW-13 Totalizer Reading (gallons)	GW-15 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from 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 ^A (lb)
07/01/14	Off line	1	3,234,516	2,087,551	743,492	6,175,410	6,918,902	5,322,066	70,600,200	--	9,922
07/02/14	Technician		3,234,516	2,087,551	743,492	6,175,410	6,918,902	5,322,066	70,600,200	--	9,922
07/03/14	Off line		3,234,516	2,087,551	743,492	6,175,410	6,918,902	5,322,066	70,600,200	--	9,922
07/04/14	Off line		3,234,516	2,087,551	743,492	6,175,410	6,918,902	5,322,066	70,600,200	--	9,922
07/05/14	Off line		3,234,516	2,087,551	743,492	6,175,410	6,918,902	5,322,066	70,600,200	--	9,922
07/06/14	Off line		3,234,516	2,087,551	743,492	6,175,410	6,918,902	5,322,066	70,600,200	--	9,922
07/07/14	Technician	2	3,234,516	2,087,551	743,492	6,175,410	6,918,902	5,322,066	70,600,200	--	9,922
07/08/14	*		3,240,236	2,095,934	747,310	6,180,947	6,928,256	5,336,170	70,617,505	--	9,922
07/09/14	Technician	3	3,246,989	2,105,832	751,817	6,187,483	6,939,300	5,352,821	70,637,935	720	9,923
07/10/14	*		3,253,512	2,112,821	755,160	6,193,087	6,948,248	5,366,333	70,655,610	--	9,923
07/11/14	*		3,260,035	2,119,810	758,504	6,198,692	6,957,196	5,379,845	70,673,286	--	9,923
07/12/14	*		3,266,558	2,126,800	761,848	6,204,296	6,966,144	5,393,358	70,690,961	--	9,923
07/13/14	*		3,273,081	2,133,789	765,192	6,209,900	6,975,093	5,406,870	70,708,637	--	9,923
07/14/14	*		3,279,604	2,140,778	768,536	6,215,505	6,984,041	5,420,382	70,726,312	--	9,923
07/15/14	*		3,286,127	2,147,767	771,880	6,221,109	6,992,989	5,433,894	70,743,988	--	9,923
07/16/14	*		3,292,650	2,154,756	775,224	6,226,713	7,001,938	5,447,407	70,761,663	--	9,923
07/17/14	*		3,299,173	2,161,746	778,568	6,232,318	7,010,886	5,460,919	70,779,339	--	9,923
07/18/14	Technician		3,303,975	2,166,891	781,030	6,236,443	7,017,473	5,470,866	70,792,350	--	9,923
07/19/14	*		3,310,282	2,172,648	784,266	6,241,982	7,026,248	5,482,930	70,808,616	--	9,924
07/20/14	*		3,316,590	2,178,405	787,502	6,247,521	7,035,023	5,494,995	70,824,881	--	9,924
07/21/14	Technician		3,322,941	2,184,202	790,760	6,253,099	7,043,859	5,507,143	70,841,260	--	9,924
07/22/14	*		3,329,435	2,189,617	793,877	6,258,616	7,052,493	5,519,051	70,858,112	--	9,924
07/23/14	Technician	4,5	3,335,653	2,194,803	796,862	6,263,900	7,060,762	5,530,456	70,874,250	--	9,924
07/24/14	Off line		3,335,653	2,194,803	796,862	6,263,900	7,060,762	5,530,456	70,874,250	--	9,924
07/25/14	Off line		3,335,653	2,194,803	796,862	6,263,900	7,060,762	5,530,456	70,874,250	--	9,924
07/26/14	Off line		3,335,653	2,194,803	796,862	6,263,900	7,060,762	5,530,456	70,874,250	--	9,924
07/27/14	Off line		3,335,653	2,194,803	796,862	6,263,900	7,060,762	5,530,456	70,874,250	--	9,924
07/28/14	Off line		3,335,653	2,194,803	796,862	6,263,900	7,060,762	5,530,456	70,874,250	--	9,924
07/29/14	Off line		3,335,653	2,194,803	796,862	6,263,900	7,060,762	5,530,456	70,874,250	--	9,924
07/30/14	Off line		3,335,653	2,194,803	796,862	6,263,900	7,060,762	5,530,456	70,874,250	--	9,924
07/31/14	Technician	2	3,335,653	2,194,803	796,862	6,263,900	7,060,762	5,530,456	70,874,250	--	9,924

Cumulative Groundwater Discharged by the GWETS to Date (gallons)							
Period	July	Quarter 1, 2014	Quarter 2, 2014	Quarter 3, 2014	Quarter 4, 2014	2014	April 1996 to Date
Volume	274,050	1,950,806	812,185	274,050	--	3,037,041	70,874,250

Cumulative Mass DRO Removed by the GWETS ^A (lb)			
Period	July	Quarter 3 to Date	April 1996 to Date
Mass	1.76	1.76	9,923.96

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

Legend / Notes:

- 1 = GWETS off line since manually shut down on 06/05/14.
- 2 = GWETS restarted.
- 3 = Collected monthly process, intermediate, and effluent vapor samples for laboratory analysis.
- 4 = GWETS manually shut down for maintenance.
- 5 = GW-15 manually shut down for maintenance.

GWETS = Groundwater extraction and treatment system lb = Pounds
 ug/L - Micrograms per liter DRO = Diesel range organics
 A = Hydrocarbon removal is calculated using analytical laboratory results for DRO (if not detected, half the detection limit is used) from samples collected on: 07/09/14 (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 - August
 DFSP, Norwalk
 15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	GW-2 Totalizer Reading (gallons)	GW-13 Totalizer Reading (gallons)	GW-15 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from 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 ^A (lb)
08/01/14	*		3,341,880	2,200,018	796,862	6,263,911	7,060,773	5,541,898	70,882,267	--	9,924
08/02/14	*		3,348,107	2,205,234	796,862	6,263,921	7,060,783	5,553,341	70,890,284	--	9,924
08/03/14	*		3,354,333	2,210,450	796,862	6,263,932	7,060,794	5,564,783	70,898,300	--	9,924
08/04/14	*		3,360,560	2,215,666	796,862	6,263,942	7,060,804	5,576,226	70,906,317	--	9,924
08/05/14	*		3,366,787	2,220,881	796,862	6,263,953	7,060,815	5,587,668	70,914,334	--	9,924
08/06/14	Technician		3,372,283	2,225,485	796,862	6,263,962	7,060,824	5,597,768	70,921,410	--	9,924
08/07/14	*		3,378,531	2,230,054	796,925	6,264,172	7,061,098	5,608,585	70,929,139	--	9,924
08/08/14	*		3,384,779	2,234,622	796,989	6,264,383	7,061,372	5,619,401	70,936,869	--	9,924
08/09/14	*		3,391,027	2,239,191	797,052	6,264,593	7,061,645	5,630,218	70,944,598	--	9,924
08/10/14	*		3,397,275	2,243,760	797,116	6,264,804	7,061,919	5,641,034	70,952,327	--	9,924
08/11/14	Technician	1	3,404,447	2,249,004	797,189	6,265,045	7,062,234	5,653,451	70,961,200	--	9,924
08/12/14	*		3,410,828	2,253,693	799,686	6,270,841	7,070,527	5,664,521	70,976,900	--	9,925
08/13/14	Technician	2	3,416,721	2,258,024	801,993	6,276,195	7,078,188	5,674,745	70,991,400	150	9,925
08/14/14	*		3,423,252	2,262,639	803,955	6,281,785	7,085,739	5,685,891	71,006,293	--	9,925
08/15/14	*		3,429,783	2,267,254	805,916	6,287,375	7,093,291	5,697,038	71,021,186	--	9,925
08/16/14	*		3,436,314	2,271,870	807,878	6,292,965	7,100,842	5,708,184	71,036,079	--	9,925
08/17/14	*		3,442,846	2,276,485	809,839	6,298,555	7,108,394	5,719,331	71,050,972	--	9,925
08/18/14	*		3,449,377	2,281,101	811,801	6,304,145	7,115,945	5,730,477	71,065,865	--	9,925
08/19/14	*		3,455,908	2,285,716	813,762	6,309,735	7,123,497	5,741,624	71,080,758	--	9,925
08/20/14	*		3,462,439	2,290,331	815,724	6,315,325	7,131,048	5,752,770	71,095,651	--	9,925
08/21/14	*		3,468,970	2,294,947	817,685	6,320,915	7,138,600	5,763,917	71,110,544	--	9,925
08/22/14	Technician		3,474,753	2,299,033	819,422	6,325,864	7,145,286	5,773,786	71,123,730	--	9,925
08/23/14	*		3,478,434	2,301,559	820,570	6,329,019	7,149,589	5,779,994	71,131,817	--	9,925
08/24/14	*		3,482,115	2,304,085	821,718	6,332,174	7,153,892	5,786,201	71,139,904	--	9,925
08/25/14	*		3,485,797	2,306,611	822,866	6,335,328	7,158,195	5,792,408	71,147,991	--	9,925
08/26/14	*		3,489,478	2,309,137	824,014	6,338,483	7,162,497	5,798,615	71,156,078	--	9,925
08/27/14	*		3,493,159	2,311,663	825,162	6,341,638	7,166,800	5,804,822	71,164,165	--	9,925
08/28/14	*		3,496,840	2,314,189	826,311	6,344,793	7,171,103	5,811,030	71,172,252	--	9,925
08/29/14	Technician	3,4	3,501,148	2,317,145	827,654	6,348,484	7,176,138	5,818,293	71,181,715	--	9,925
08/30/14	*		3,507,629	2,321,872	832,567	6,354,030	7,186,597	5,829,501	71,199,430	--	9,925
08/31/14	*		3,514,111	2,326,599	837,481	6,359,576	7,197,057	5,840,710	71,217,145	--	9,925

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	August	Quarter 1, 2014	Quarter 2, 2014	Quarter 3, 2014	Quarter 4, 2014	2014	April 1996 to Date
Volume	342,895	1,950,806	812,185	616,945	--	3,379,936	71,217,145

Cumulative Mass DRO Removed by the GWETS ^A (lb)			
Period	August	Quarter 3 to Date	April 1996 to Date
Mass	0.92	2.68	9,924.88

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

Legend / Notes:

- 1 = GW-15 restarted.
- 2 = Collected monthly process, intermediate, and effluent vapor samples for laboratory analysis.
- 3 = GWETS automatically shut down prior to technician visit.
- 4 = GWETS restarted.

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: 07/09/14 and 08/13/14 (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 - September
 DFSP, Norwalk
 15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	GW-2 Totalizer Reading (gallons)	GW-13 Totalizer Reading (gallons)	GW-15 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from 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 ^A (lb)
09/01/14	*		3,520,592	2,331,326	842,394	6,365,122	7,207,516	5,851,918	71,234,860	--	9,925
09/02/14	*		3,527,074	2,336,053	847,308	6,370,668	7,217,976	5,863,126	71,252,575	--	9,925
09/03/14	Technician		3,533,105	2,340,452	851,880	6,375,829	7,227,709	5,873,557	71,269,060	--	9,925
09/04/14	Technician		3,540,201	2,345,292	857,027	6,381,772	7,238,799	5,885,493	71,286,620	--	9,925
09/05/14	*		3,546,991	2,349,683	861,666	6,387,176	7,248,842	5,896,674	71,303,850	--	9,925
09/06/14	*		3,553,780	2,354,075	866,305	6,392,580	7,258,885	5,907,855	71,321,079	--	9,925
09/07/14	*		3,560,570	2,358,466	870,945	6,397,983	7,268,928	5,919,036	71,338,309	--	9,925
09/08/14	Technician		3,567,878	2,363,193	875,939	6,403,800	7,279,739	5,931,071	71,356,855	--	9,925
09/09/14	*		3,574,703	2,367,452	880,521	6,409,214	7,289,735	5,942,155	71,373,768	--	9,925
09/10/14	*		3,581,529	2,371,711	885,104	6,414,627	7,299,731	5,953,239	71,390,682	--	9,925
09/11/14	*		3,588,354	2,375,969	889,687	6,420,041	7,309,728	5,964,323	71,407,595	--	9,925
09/12/14	Technician		3,593,852	2,379,400	893,379	6,424,402	7,317,781	5,973,252	71,421,220	--	9,925
09/13/14	*		3,600,788	2,383,601	897,885	6,429,751	7,327,637	5,984,389	71,438,370	--	9,925
09/14/14	*		3,607,725	2,387,801	902,392	6,435,101	7,337,493	5,995,526	71,455,519	--	9,925
09/15/14	*		3,614,661	2,392,002	906,898	6,440,450	7,347,349	6,006,663	71,472,669	--	9,925
09/16/14	Technician		3,621,501	2,396,144	911,343	6,445,726	7,357,068	6,017,645	71,489,580	--	9,925
09/17/14	Technician	1	3,628,769	2,400,521	916,252	6,451,559	7,367,811	6,029,290	71,507,170	800	9,925
09/18/14	*		3,635,693	2,404,688	920,695	6,456,847	7,377,541	6,040,381	71,523,900	--	9,925
09/19/14	Technician		3,643,002	2,409,087	925,385	6,462,429	7,387,813	6,052,089	71,541,560	--	9,926
09/20/14	*		3,649,900	2,413,257	929,788	6,467,734	7,397,522	6,063,157	71,558,078	--	9,926
09/21/14	*		3,656,798	2,417,428	934,192	6,473,039	7,407,231	6,074,225	71,574,597	--	9,926
09/22/14	*		3,663,696	2,421,598	938,596	6,478,344	7,416,940	6,085,294	71,591,115	--	9,926
09/23/14	Technician	2	3,669,851	2,425,320	942,526	6,483,078	7,425,604	6,095,171	71,605,855	--	9,926
09/24/14	Technician		3,677,410	2,429,770	947,278	6,488,842	7,436,120	6,107,180	71,623,170	--	9,926
09/25/14	*		3,683,810	2,433,490	951,238	6,493,762	7,445,000	6,117,300	71,638,637	--	9,926
09/26/14	Technician	3	3,690,610	2,437,444	955,446	6,498,990	7,454,436	6,128,054	71,655,070	--	9,926
09/27/14	Off line		3,690,610	2,437,444	955,446	6,498,990	7,454,436	6,128,054	71,655,070	--	9,926
09/28/14	Off line		3,690,610	2,437,444	955,446	6,498,990	7,454,436	6,128,054	71,655,070	--	9,926
09/29/14	Off line		3,690,610	2,437,444	955,446	6,498,990	7,454,436	6,128,054	71,655,070	--	9,926
09/30/14	Off line		3,690,610	2,437,444	955,446	6,498,990	7,454,436	6,128,054	71,655,070	--	9,926

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	September	Quarter 1, 2014	Quarter 2, 2014	Quarter 3, 2014	Quarter 4, 2014	2014	April 1996 to Date
Volume	437,925	1,950,806	812,185	1,054,870	--	3,817,861	71,655,070

Cumulative Mass DRO Removed by the GWETS ^A (lb)			
Period	September	Quarter 3 to Date	April 1996 to Date
Mass	1.45	4.12	9,926.33

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

Legend / Notes:

- 1 = Collected monthly process, intermediate, and effluent vapor samples for laboratory analysis.
- 2 = GWETS temporarily shut down for maintenance.
- 3 = GWETS manually shut down for maintenance.

GWETS = Groundwater extraction and treatment system lb = Pounds
 ug/L - Micrograms per liter DRO = Diesel range organics
 A = Hydrocarbon removal is calculated using analytical laboratory results for DRO (if not detected, half the detection limit is used)
 from samples collected on: 08/13/14 and 09/17/14 (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 Results and Chain-of-Custody Documentation



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

August 14, 2014

Neil Irish

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

**Re : DFSP Norwalk GWETS NPDES Monthly / 04-NDLA-001
A5331075 / 4G09005**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 07/09/14 16:54 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: A5331075
Date Received: 07/09/14
Date Reported: 08/14/14

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

Effluent	4G09005-01	Water	5	07/09/14 11:16	07/09/14 16:54
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Arsenic Total EPA 200.7

Effluent	4G09005-01	Water	5	07/09/14 11:16	07/09/14 16:54
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Diesel Range Organics 8015M

Effluent	4G09005-01	Water	5	07/09/14 11:16	07/09/14 16:54
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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: A5331075
Date Received: 07/09/14
Date Reported: 08/14/14
Units: ug/L

Date Sampled:	07/09/14		
Date Prepared:	07/15/14		
Date Analyzed:	07/15/14		
AA ID No:	4G09005-01		
Client ID No:	Effluent		
Matrix:	Water		
Dilution Factor:	1	MDL	MRL

8260B TPHGASOLINEBTEXOXY (EPA 8260B)

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

Surrogates

		<u>%REC Limits</u>	
Dibromofluoromethane	95%	70-140	
Toluene-d8	102%	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
Method: Diesel Range Organics by GC/FID

AA Project No: A5331075
Date Received: 07/09/14
Date Reported: 08/14/14
Units: ug/L

Date Sampled:	07/09/14		
Date Prepared:	07/14/14		
Date Analyzed:	07/14/14		
AA ID No:	4G09005-01		
Client ID No:	Effluent		
Matrix:	Water		
Dilution Factor:	1	MDL	MRL

Diesel Range Organics 8015M (EPA 8015M)

Diesel Range Organics as Diesel	<60	60	100
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Surrogates

o-Terphenyl	105%	<u>%REC Limits</u>	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: A5331075
Date Received: 07/09/14
Date Reported: 08/14/14

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
<u>Arsenic Total EPA 200.7 (EPA 200.7)</u>									
4G09005-01	Effluent	07/09/14	07/11/14	07/11/14	1	0.0090	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: A5331075
Date Received: 07/09/14
Date Reported: 08/14/14

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 B4G1505 - EPA 5030B

Blank (B4G1505-BLK1)

Prepared & Analyzed: 07/15/14

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	51.2		ug/L	50	102	70-140
Surrogate: Dibromofluoromethane	49.8		ug/L	50	99.7	70-140
Surrogate: Toluene-d8	50.7		ug/L	50	101	70-140

LCS (B4G1505-BS1)

Prepared: 07/15/14 Analyzed: 07/16/14

Benzene	19.1	0.20	ug/L	20	95.7	75-125
Ethylbenzene	19.1	0.20	ug/L	20	95.6	75-125
Methyl-tert-Butyl Ether (MTBE)	17.9	0.40	ug/L	20	89.6	70-135
Toluene	18.8	0.30	ug/L	20	94.0	75-125
o-Xylene	19.2	0.30	ug/L	20	96.2	75-125

Surrogate: 4-Bromofluorobenzene	50.9		ug/L	50	102	70-140
Surrogate: Dibromofluoromethane	50.5		ug/L	50	101	70-140
Surrogate: Toluene-d8	49.4		ug/L	50	98.7	70-140

Matrix Spike (B4G1505-MS1)

Source: 4G09005-01 Prepared & Analyzed: 07/15/14

Benzene	20.7	0.20	ug/L	20	104	70-130
Ethylbenzene	20.6	0.20	ug/L	20	103	70-130
Methyl-tert-Butyl Ether (MTBE)	19.9	0.40	ug/L	20	<2.0	99.7 70-130
Toluene	20.0	0.30	ug/L	20	99.8	70-130

Surrogate: 4-Bromofluorobenzene	49.3		ug/L	50	98.6	70-140
Surrogate: Dibromofluoromethane	50.3		ug/L	50	101	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: A5331075
Date Received: 07/09/14
Date Reported: 08/14/14

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

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

Batch B4G1505 - EPA 5030B

Matrix Spike (B4G1505-MS1) Continued Source: 4G09005-01 Prepared & Analyzed: 07/15/14

Surrogate: Toluene-d8 49.1 ug/L 50 98.2 70-140

Matrix Spike Dup (B4G1505-MSD1) Source: 4G09005-01 Prepared & Analyzed: 07/15/14

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

Surrogate: 4-Bromofluorobenzene 50.0 ug/L 50 100 70-140

Surrogate: Dibromofluoromethane 50.3 ug/L 50 101 70-140

Surrogate: Toluene-d8 50.2 ug/L 50 100 70-140

Diesel Range Organics by GC/FID - Quality Control

Batch B4G1401 - EPA 3510C

Blank (B4G1401-BLK1) Prepared & Analyzed: 07/14/14

Diesel Range Organics as Diesel <60 60 ug/L

Surrogate: o-Terphenyl 66.9 ug/L 50 134 50-150

LCS (B4G1401-BS1) Prepared & Analyzed: 07/14/14

Diesel Range Organics as Diesel 939 60 ug/L 1000 93.9 75-125 30

Surrogate: o-Terphenyl 63.6 ug/L 50 127 50-150

LCS Dup (B4G1401-BSD1) Prepared & Analyzed: 07/14/14

Diesel Range Organics as Diesel 1030 60 ug/L 1000 103 75-125 8.94 30

Surrogate: o-Terphenyl 60.1 ug/L 50 120 50-150

Total Metals by ICP Atomic Emission Spectroscopy - Quality Control

Batch B4G1111 - EPA 3010A

Blank (B4G1111-BLK1) Prepared & Analyzed: 07/11/14

Arsenic <0.0060 0.0060 mg/L

LCS (B4G1111-BS1) Prepared & Analyzed: 07/11/14

Arsenic 0.227 0.0060 mg/L 0.20 114 80-120 20

LCS Dup (B4G1111-BSD1) Prepared & Analyzed: 07/11/14

Arsenic 0.239 0.0060 mg/L 0.20 120 80-120 5.23 20

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 Monthly

AA Project No: A5331075
Date Received: 07/09/14
Date Reported: 08/14/14

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Metals by ICP Atomic Emission Spectroscopy - Quality Control										
<i>Batch B4G1111 - EPA 3010A</i>										
Duplicate (B4G1111-DUP1) Source: 4G09005-01 Prepared & Analyzed: 07/11/14										
Arsenic	0.00840	0.0060	mg/L		0.00900			6.90	30	
Matrix Spike (B4G1111-MS1) Source: 4G09006-04 Prepared & Analyzed: 07/11/14										
Arsenic	0.258	0.0060	mg/L	0.20	0.0120	123	75-125		20	
Matrix Spike Dup (B4G1111-MSD1) Source: 4G09006-04 Prepared & Analyzed: 07/11/14										
Arsenic	0.262	0.0060	mg/L	0.20	0.0120	125	75-125	1.50	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: A5331075
Date Received: 07/09/14
Date Reported: 08/14/14

Special Notes

Viorel Vasile
Operations Manager



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

August 25, 2014

Neil Irish

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

**Re : DFSP Norwalk GWETS NPDES Quarterly / 04-NDLA-001
A5331092 / 4H13006**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 08/13/14 15:54 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

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

AA Project No: A5331092
Date Received: 08/13/14
Date Reported: 08/25/14

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

Effluent	4H13006-01	Water	5	08/13/14 11:35	08/13/14 15:54
Effluent-Dup	4H13006-02	Water	5	08/13/14 11:37	08/13/14 15:54

Arsenic Total EPA 200.7

Effluent	4H13006-01	Water	5	08/13/14 11:35	08/13/14 15:54
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BOD SM5210B

Effluent	4H13006-01	Water	5	08/13/14 11:35	08/13/14 15:54
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Chlorine Residual SM 4500 Cl G

Effluent	4H13006-01	Water	5	08/13/14 11:35	08/13/14 15:54
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Copper Total EPA 200.7

Effluent	4H13006-01	Water	5	08/13/14 11:35	08/13/14 15:54
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Diesel Range Organics 8015M

Effluent	4H13006-01	Water	5	08/13/14 11:35	08/13/14 15:54
Effluent-Dup	4H13006-02	Water	5	08/13/14 11:37	08/13/14 15:54

HEM Oil and Grease 1664

Effluent	4H13006-01	Water	5	08/13/14 11:35	08/13/14 15:54
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Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

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

AA Project No: A5331092
Date Received: 08/13/14
Date Reported: 08/25/14

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
<u>MBAS SM5540C</u>					
Effluent	4H13006-01	Water	5	08/13/14 11:35	08/13/14 15:54
<u>Phenols 420.1</u>					
Effluent	4H13006-01	Water	5	08/13/14 11:35	08/13/14 15:54
<u>SS SM2540F</u>					
Effluent	4H13006-01	Water	5	08/13/14 11:35	08/13/14 15:54
<u>Sulfide SM4500-S=D</u>					
Effluent	4H13006-01	Water	5	08/13/14 11:35	08/13/14 15:54
<u>TDS SM2540C</u>					
Effluent	4H13006-01	Water	5	08/13/14 11:35	08/13/14 15:54
<u>TSS SM2540D</u>					
Effluent	4H13006-01	Water	5	08/13/14 11:35	08/13/14 15:54
<u>Turbidity 180.1</u>					
Effluent	4H13006-01	Water	5	08/13/14 11:35	08/13/14 15:54

Viorel Vasile
Operations Manager

**LABORATORY ANALYSIS RESULTS**

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

AA Project No: A5331092
Date Received: 08/13/14
Date Reported: 08/25/14

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
<u>BOD SM5210B (SM5210B) *</u>									
4H13006-01	Effluent	08/13/14	08/14/14	08/19/14	1	<5.0	mg/L	5	5
<u>Chlorine Residual SM 4500 Cl G (EPA 330.3)</u>									
4H13006-01	Effluent	08/13/14	08/13/14	08/13/14	1	<0.10	mg/L	0.1	0.5
<u>HEM Oil and Grease 1664 (EPA 1664)</u>									
4H13006-01	Effluent	08/13/14	08/15/14	08/20/14	1	4.5J	mg/L	1	5
<u>MBAS SM5540C (SM5540C) *</u>									
4H13006-01	Effluent	08/13/14	08/14/14	08/14/14	1	<0.050	mg/L	0.05	0.05
<u>Phenols 420.1 (EPA 420.1) *</u>									
4H13006-01	Effluent	08/13/14	08/15/14	08/15/14	1	<0.15	mg/L	0.15	0.3
<u>SS SM2540F (SM2540F)</u>									
4H13006-01	Effluent	08/13/14	08/14/14	08/14/14	1	<0.100	mL/L	0.1	0.1
<u>Sulfide SM4500-S=D (SM4500-S=D)</u>									
4H13006-01	Effluent	08/13/14	08/14/14	08/14/14	1	<0.027	mg/L	0.027	0.05
<u>TDS SM2540C (SM2540C)</u>									
4H13006-01	Effluent	08/13/14	08/18/14	08/19/14	5	1500	mg/L	6.2	10
<u>TSS SM2540D (SM2540D)</u>									
4H13006-01	Effluent	08/13/14	08/19/14	08/19/14	1	5.3J	mg/L	5	10
<u>Turbidity 180.1 (EPA 180.1)</u>									
4H13006-01	Effluent	08/13/14	08/14/14	08/14/14	1	<0.17	NTU	0.168	1

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331092
Date Received: 08/13/14
Date Reported: 08/25/14
Units: ug/L

Date Sampled:	08/13/14	08/13/14		
Date Prepared:	08/22/14	08/22/14		
Date Analyzed:	08/22/14	08/22/14		
AA ID No:	4H13006-01	4H13006-02		
Client ID No:	Effluent	Effluent-Dup		
Matrix:	Water	Water		
Dilution Factor:	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

			<u>%REC Limits</u>
4-Bromofluorobenzene	101%	102%	70-140
Dibromofluoromethane	101%	102%	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 Quarterly
Method: Diesel Range Organics by GC/FID

AA Project No: A5331092
Date Received: 08/13/14
Date Reported: 08/25/14
Units: ug/L

Date Sampled:	08/13/14	08/13/14		
Date Prepared:	08/19/14	08/19/14		
Date Analyzed:	08/19/14	08/19/14		
AA ID No:	4H13006-01	4H13006-02		
Client ID No:	Effluent	Effluent-Dup		
Matrix:	Water	Water		
Dilution Factor:	1	1	MDL	MRL

Diesel Range Organics 8015M (EPA 8015M)

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

o-Terphenyl	118%	116%	<u>%REC Limits</u>	50-150
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Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331092
Date Received: 08/13/14
Date Reported: 08/25/14

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
<u>Arsenic Total EPA 200.7 (EPA 200.7)</u>									
4H13006-01	Effluent	08/13/14	08/18/14	08/18/14	1	<0.0060	mg/L	0.006	0.007
<u>Copper Total EPA 200.7 (EPA 200.7)</u>									
4H13006-01	Effluent	08/13/14	08/18/14	08/18/14	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 Quarterly

AA Project No: A5331092
Date Received: 08/13/14
Date Reported: 08/25/14

Table with columns: Analyte, Reporting Result, Reporting Limit, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Notes. Includes sections for General Chemistry Analyses - Quality Control, Batch B4H1408, B4H1409, B4H1410, B4H1411, and B4H1807.

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331092
Date Received: 08/13/14
Date Reported: 08/25/14

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
General Chemistry Analyses - Quality Control										
<i>Batch B4H1807 - NO PREP</i>										
LCS Dup (B4H1807-BSD1)	Prepared: 08/18/14 Analyzed: 08/19/14									
Total Dissolved Solids	60.0	6.2	mg/L	50	120	80-120	24.3	25		
Duplicate (B4H1807-DUP1)	Source: 4H13006-01 Prepared: 08/18/14 Analyzed: 08/19/14									
Total Dissolved Solids	1660	31	mg/L		1500		9.83	20		
<i>Batch B4H1915 - NO PREP</i>										
Blank (B4H1915-BLK1)	Prepared & Analyzed: 08/19/14									
Total Suspended Solids	<5.0	5.0	mg/L							
LCS (B4H1915-BS1)	Prepared & Analyzed: 08/19/14									
Total Suspended Solids	45.0	5.0	mg/L	50	90.0	80-120				
LCS Dup (B4H1915-BSD1)	Prepared & Analyzed: 08/19/14									
Total Suspended Solids	51.0	5.0	mg/L	50	102	80-120	12.5	20		
Duplicate (B4H1915-DUP1)	Source: 4H13006-01 Prepared & Analyzed: 08/19/14									
Total Suspended Solids	5.80	5.0	mg/L		5.30		9.01	20		J
<i>Batch B4H2019 - NO PREP</i>										
Blank (B4H2019-BLK1)	Prepared: 08/15/14 Analyzed: 08/20/14									
HEM (Oil and Grease)	<1.0	1.0	mg/L							
LCS (B4H2019-BS1)	Prepared: 08/15/14 Analyzed: 08/20/14									
HEM (Oil and Grease)	42.3	1.0	mg/L	40	106	75-125				
LCS Dup (B4H2019-BSD1)	Prepared: 08/15/14 Analyzed: 08/20/14									
HEM (Oil and Grease)	32.0	1.0	mg/L	40	80.0	75-125	27.7	30		
<i>Batch B4H2122 - NO PREP</i>										
Blank (B4H2122-BLK1)	Prepared & Analyzed: 08/14/14									
Methylene Blue Active Substances	<0.050	0.050	mg/L							*
LCS (B4H2122-BS1)	Prepared & Analyzed: 08/14/14									
Methylene Blue Active Substances	0.402	0.050	mg/L	0.50	80.4	75-125		15		*
LCS Dup (B4H2122-BSD1)	Prepared & Analyzed: 08/14/14									
Methylene Blue Active Substances	0.403	0.050	mg/L	0.50	80.6	75-125	0.248	15		*
Matrix Spike (B4H2122-MS1)	Source: 4H13006-01 Prepared & Analyzed: 08/14/14									
Methylene Blue Active Substances	0.392	0.050	mg/L	0.50	<0.050	78.4	75-125	15		*
Matrix Spike Dup (B4H2122-MSD1)	Source: 4H13006-01 Prepared & Analyzed: 08/14/14									

Viorel Vasile
 Operations Manager



LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331092
Date Received: 08/13/14
Date Reported: 08/25/14

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

General Chemistry Analyses - Quality Control

Batch B4H2122 - NO PREP

Table row: Matrix Spike Dup (B4H2122-MSD1) Source: 4H13006-01 Prepared & Analyzed: 08/14/14 *
Continued
Methylene Blue Active Substances 0.400 0.050 mg/L 0.50 <0.050 80.0 75-125 2.02 15

Batch B4H2123 - NO PREP

Table row: Blank (B4H2123-BLK1) Prepared & Analyzed: 08/15/14 *

Table row: Phenolics <0.15 0.15 mg/L

Table row: LCS (B4H2123-BS1) Prepared & Analyzed: 08/15/14 *

Table row: Phenolics 0.476 0.15 mg/L 0.50 95.2 80-120 15

Table row: LCS Dup (B4H2123-BSD1) Prepared & Analyzed: 08/15/14 *

Table row: Phenolics 0.495 0.15 mg/L 0.50 99.0 80-120 3.91 15

Table row: Matrix Spike (B4H2123-MS1) Source: 4H13006-01 Prepared & Analyzed: 08/15/14 *

Table row: Phenolics 0.481 0.15 mg/L 0.50 <0.30 96.2 80-120 15

Table row: Matrix Spike Dup (B4H2123-MSD1) Source: 4H13006-01 Prepared & Analyzed: 08/15/14 *

Table row: Phenolics 0.490 0.15 mg/L 0.50 <0.30 98.0 80-120 1.85 15

Batch B4H2124 - *** DEFAULT PREP ***

Table row: Blank (B4H2124-BLK1) Prepared: 08/14/14 Analyzed: 08/19/14 *

Table row: Biochemical Oxygen Demand <5.0 5.0 mg/L

Table row: LCS (B4H2124-BS1) Prepared: 08/14/14 Analyzed: 08/19/14 *

Table row: Biochemical Oxygen Demand 172 5.0 mg/L 200 87.0 80-120 20

Table row: Duplicate (B4H2124-DUP1) Source: 4H13006-01 Prepared: 08/14/14 Analyzed: 08/19/14 *

Table row: Biochemical Oxygen Demand <5.0 5.0 mg/L <5.0 15

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

Batch B4H2202 - EPA 5030B

Table row: Blank (B4H2202-BLK1) Prepared & Analyzed: 08/22/14

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

Table row: Benzene <0.20 0.20 ug/L

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

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

Table row: Ethylbenzene <0.20 0.20 ug/L

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

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331092
Date Received: 08/13/14
Date Reported: 08/25/14

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
TPHG/BTEX/Oxygenates by GC/MS - Quality Control										
<i>Batch B4H2202 - EPA 5030B</i>										
Blank (B4H2202-BLK1) Continued Prepared & Analyzed: 08/22/14										
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							
<i>Surrogate: 4-Bromofluorobenzene</i>	50.6		ug/L	50		101	70-140			
<i>Surrogate: Dibromofluoromethane</i>	49.4		ug/L	50		98.9	70-140			
<i>Surrogate: Toluene-d8</i>	51.4		ug/L	50		103	70-140			
LCS (B4H2202-BS1) Prepared: 08/22/14 Analyzed: 08/23/14										
Benzene	18.7	0.20	ug/L	20		93.6	75-125			
Ethylbenzene	19.0	0.20	ug/L	20		95.0	75-125			
Methyl-tert-Butyl Ether (MTBE)	16.9	0.40	ug/L	20		84.5	70-135			
Toluene	17.5	0.30	ug/L	20		87.7	75-125			
o-Xylene	18.7	0.30	ug/L	20		93.4	75-125			
<i>Surrogate: 4-Bromofluorobenzene</i>	47.9		ug/L	50		95.7	70-140			
<i>Surrogate: Dibromofluoromethane</i>	50.2		ug/L	50		100	70-140			
<i>Surrogate: Toluene-d8</i>	43.5		ug/L	50		87.0	70-140			
Matrix Spike (B4H2202-MS1) Source: 4H13004-17 Prepared & Analyzed: 08/22/14										
Benzene	18.2	0.20	ug/L	20		91.0	70-130			
Ethylbenzene	18.8	0.20	ug/L	20		94.0	70-130			
Methyl-tert-Butyl Ether (MTBE)	18.0	0.40	ug/L	20		89.8	70-130			
Toluene	17.8	0.30	ug/L	20		89.1	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	48.0		ug/L	50		96.1	70-140			
<i>Surrogate: Dibromofluoromethane</i>	49.2		ug/L	50		98.3	70-140			
<i>Surrogate: Toluene-d8</i>	42.9		ug/L	50		85.9	70-140			
Matrix Spike Dup (B4H2202-MSD1) Source: 4H13004-17 Prepared & Analyzed: 08/22/14										
Benzene	17.9	0.20	ug/L	20		89.7	70-130	1.44	30	
Ethylbenzene	18.8	0.20	ug/L	20		94.0	70-130	0.106	30	
Methyl-tert-Butyl Ether (MTBE)	20.8	0.40	ug/L	20		104	70-130	14.6	30	
Toluene	18.1	0.30	ug/L	20		90.3	70-130	1.34	30	

Viorel Vasile
 Operations Manager

**LABORATORY ANALYSIS RESULTS**

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

AA Project No: A5331092
Date Received: 08/13/14
Date Reported: 08/25/14

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
TPHG/BTEX/Oxygenates by GC/MS - Quality Control									
<i>Batch B4H2202 - EPA 5030B</i>									
Matrix Spike Dup (B4H2202-MSD1) Source: 4H13004-17 Prepared & Analyzed: 08/22/14									
Continued									
<i>Surrogate: 4-Bromofluorobenzene</i>	47.7		ug/L	50		95.4 70-140			
<i>Surrogate: Dibromofluoromethane</i>	50.0		ug/L	50		100 70-140			
<i>Surrogate: Toluene-d8</i>	42.9		ug/L	50		85.8 70-140			
Diesel Range Organics by GC/FID - Quality Control									
<i>Batch B4H1901 - EPA 3510C</i>									
Blank (B4H1901-BLK1) Prepared & Analyzed: 08/19/14									
Diesel Range Organics as Diesel	<60	60	ug/L						
<i>Surrogate: o-Terphenyl</i>	47.1		ug/L	40		118 50-150			
LCS (B4H1901-BS1) Prepared & Analyzed: 08/19/14									
Diesel Range Organics as Diesel	609	60	ug/L	800		76.2 75-125		30	
<i>Surrogate: o-Terphenyl</i>	43.2		ug/L	40		108 50-150			
LCS Dup (B4H1901-BSD1) Prepared & Analyzed: 08/19/14									
Diesel Range Organics as Diesel	624	60	ug/L	800		78.0 75-125	2.43	30	
<i>Surrogate: o-Terphenyl</i>	38.7		ug/L	40		96.8 50-150			
Total Metals by ICP Atomic Emission Spectroscopy - Quality Control									
<i>Batch B4H1817 - EPA 3010A</i>									
Blank (B4H1817-BLK1) Prepared & Analyzed: 08/18/14									
Arsenic	<0.0060	0.0060	mg/L						
Copper	<0.0020	0.0020	mg/L						
LCS (B4H1817-BS1) Prepared & Analyzed: 08/18/14									
Arsenic	0.214	0.0060	mg/L	0.20		107 80-120		20	
Copper	0.212	0.0020	mg/L	0.20		106 80-120		20	
LCS Dup (B4H1817-BSD1) Prepared & Analyzed: 08/18/14									
Arsenic	0.179	0.0060	mg/L	0.20		89.6 80-120	17.5	20	
Copper	0.180	0.0020	mg/L	0.20		89.8 80-120	16.4	20	

Viorel Vasile
Operations Manager



LABORATORY ANALYSIS RESULTS

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

AA Project No: A5331092
Date Received: 08/13/14
Date Reported: 08/25/14

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).

Viorel Vasile
Operations Manager



American Environmental Testing Laboratory Inc.

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American Analytics
9765 Eton Avenue
Chatsworth, CA 91311-4306

Number of Pages 4
Date Received 08/14/2014
Date Reported 08/21/2014

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

Job Number	Order Date	Client
74073	08/14/2014	AA

Project ID: A5331092/4H13006
Project Name: PO# SUB02760-A5331092

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



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Page: 1 A

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Project ID: A5331092/4H13006
Date Received 08/14/2014
Date Reported 08/21/2014

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

Job Number	Order Date	Client
74073	08/14/2014	AA

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 1 samples with the following specification on 08/14/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers	
74073.01	4H13006-01	08/13/2014	Aqueous	3	
Method ^	Submethod	Req Date	Priority	TAT	Units
420.1		08/21/2014	2	Normal	mg/L
SM-5540C		08/21/2014	2	Normal	mg/L
SM5210B		08/21/2014	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



American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

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American Analytics
 9765 Eton Avenue
 Chatsworth, CA 91311-4306

Telephone: (818)998-5547

Attn: Viorel Vasile

Page: **2**

Project ID: **A5331092/4H13006**

Project Name: **PO# SUB02760-A5331092**

AETL Job Number	Submitted	Client
74073	08/14/2014	AA

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

QC Batch No: 081514-1

Our Lab I.D.		Method Blank	74073.01			
Client Sample I.D.			4H13006-01			
Date Sampled			08/13/2014			
Date Prepared		08/15/2014	08/15/2014			
Preparation Method		420.1	420.1			
Date Analyzed		08/15/2014	08/15/2014			
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: 081514-1; Dup or Spiked Sample: 74073.01; LCS: Clean Water; QC Prepared: 08/15/2014; QC Analyzed: 08/15/2014;

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	0.481	96.2	0.500	0.490	98.0	1.9	80-120	<15

QC Batch No: 081514-1; Dup or Spiked Sample: 74073.01; LCS: Clean Water; QC Prepared: 08/15/2014; QC Analyzed: 08/15/2014;

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	0.476	95.2	0.500	0.495	99.0	3.9	80-120	<15	



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ANALYTICAL RESULTS

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 Chatsworth, CA 91311-4306

Telephone: (818)998-5547

Attn: Viorel Vasile

Page: **3**

Project ID: **A5331092/4H13006**

Project Name: **PO# SUB02760-A5331092**

AETL Job Number	Submitted	Client
74073	08/14/2014	AA

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

QC Batch No: 081414-1

Our Lab I.D.		Method Blank	74073.01			
Client Sample I.D.			4H13006-01			
Date Sampled			08/13/2014			
Date Prepared		08/14/2014	08/14/2014			
Preparation Method		SM5540C	SM5540C			
Date Analyzed		08/14/2014	08/14/2014			
Matrix		Aqueous	Aqueous			
Units		mg/L	mg/L			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Surfactants (MBAS)	0.05	0.05	ND	ND		

QUALITY CONTROL REPORT

QC Batch No: 081414-1; Dup or Spiked Sample: 74073.01; LCS: Clean Water; QC Prepared: 08/14/2014; QC Analyzed: 08/14/2014;
 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
Surfactants (MBAS)	0.00	0.500	0.392	78.4	0.500	0.400	80.0	2.0	75-125	<15

QC Batch No: 081414-1; Dup or Spiked Sample: 74073.01; LCS: Clean Water; QC Prepared: 08/14/2014; QC Analyzed: 08/14/2014;
 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	
Surfactants (MBAS)	0.500	0.402	80.4	0.500	0.403	80.6	<1	75-125	<15	



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ANALYTICAL RESULTS

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Attn: Viorel Vasile

Page: **4**

Project ID: **A5331092/4H13006**

Project Name: **PO# SUB02760-A5331092**

AETL Job Number	Submitted	Client
74073	08/14/2014	AA

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

QC Batch No: 081414-1

Our Lab I.D.		Method Blank	74073.01			
Client Sample I.D.			4H13006-01			
Date Sampled			08/13/2014			
Date Prepared		08/14/2014	08/14/2014			
Preparation Method		SM5210B	SM5210B			
Date Analyzed		08/19/2014	08/19/2014			
Matrix		Aqueous	Aqueous			
Units		mg/L	mg/L			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Biochemical Oxygen Demand (BOD)	5.0	5.0	ND	ND		

QUALITY CONTROL REPORT

QC Batch No: 081414-1; Dup or Spiked Sample: 74073.01; LCS: Clean Water; LCS Prepared: 08/14/2014; LCS Analyzed: 08/19/2014;

Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit		
Biochemical Oxygen Demand (BOD)	ND	ND	<1	<15	198	172	87.0	80-120		



American Environmental Testing Laboratory Inc.

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

Data Qualifiers and Descriptors

Data Qualifier:

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

Definition:

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



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Data Qualifiers and Descriptors

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



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

September 24, 2014

Neil Irish

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

**Re : DFSP Norwalk GWETS NPDES Monthly / 04-NDLA-001
A5331107 / 4I17009**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 09/17/14 15:27 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: A5331107
Date Received: 09/17/14
Date Reported: 09/24/14

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

Effluent	4I17009-01	Water	5	09/17/14 11:00	09/17/14 15:27
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Arsenic Total EPA 200.7

Effluent	4I17009-01	Water	5	09/17/14 11:00	09/17/14 15:27
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Diesel Range Organics 8015M

Effluent	4I17009-01	Water	5	09/17/14 11:00	09/17/14 15:27
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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: A5331107
Date Received: 09/17/14
Date Reported: 09/24/14
Units: ug/L

Date Sampled:	09/17/14		
Date Prepared:	09/22/14		
Date Analyzed:	09/22/14		
AA ID No:	4117009-01		
Client ID No:	Effluent		
Matrix:	Water		
Dilution Factor:	1	MDL	MRL

8260B TPHGASOLINEBTEXOXY (EPA 8260B)

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

Surrogates

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

AA Project No: A5331107
Date Received: 09/17/14
Date Reported: 09/24/14
Units: ug/L

Date Sampled:	09/17/14		
Date Prepared:	09/23/14		
Date Analyzed:	09/23/14		
AA ID No:	4117009-01		
Client ID No:	Effluent		
Matrix:	Water		
Dilution Factor:	1	MDL	MRL

Diesel Range Organics 8015M (EPA 8015M)

Diesel Range Organics as Diesel	<60	60	100
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Surrogates

o-Terphenyl	94%	<u>%REC Limits</u>	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: A5331107
Date Received: 09/17/14
Date Reported: 09/24/14

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
<u>Arsenic Total EPA 200.7 (EPA 200.7)</u>									
4I17009-01	Effluent	09/17/14	09/19/14	09/19/14	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: A5331107
Date Received: 09/17/14
Date Reported: 09/24/14

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 B4I2208 - EPA 5030B

Blank (B4I2208-BLK1)

Prepared & Analyzed: 09/22/14

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	50.4		ug/L	50	101	70-140
Surrogate: Dibromofluoromethane	48.7		ug/L	50	97.5	70-140
Surrogate: Toluene-d8	51.0		ug/L	50	102	70-140

LCS (B4I2208-BS1)

Prepared: 09/22/14 Analyzed: 09/23/14

Benzene	19.7	0.20	ug/L	20	98.4	75-125
Ethylbenzene	20.7	0.20	ug/L	20	104	75-125
Methyl-tert-Butyl Ether (MTBE)	19.3	0.40	ug/L	20	96.6	70-135
Toluene	20.0	0.30	ug/L	20	100	75-125
o-Xylene	20.6	0.30	ug/L	20	103	75-125

Surrogate: 4-Bromofluorobenzene	49.9		ug/L	50	99.7	70-140
Surrogate: Dibromofluoromethane	49.9		ug/L	50	99.9	70-140
Surrogate: Toluene-d8	49.0		ug/L	50	98.0	70-140

Matrix Spike (B4I2208-MS1)

Source: 4I17009-01 Prepared & Analyzed: 09/22/14

Benzene	17.2	0.20	ug/L	20	85.8	70-130
Ethylbenzene	20.0	0.20	ug/L	20	100	70-130
Methyl-tert-Butyl Ether (MTBE)	20.6	0.40	ug/L	20	<2.0	103 70-130
Toluene	19.0	0.30	ug/L	20	95.0	70-130

Surrogate: 4-Bromofluorobenzene	49.1		ug/L	50	98.2	70-140
Surrogate: Dibromofluoromethane	46.4		ug/L	50	92.8	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: A5331107
Date Received: 09/17/14
Date Reported: 09/24/14

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 B4I2208 - EPA 5030B

Matrix Spike (B4I2208-MS1) Continued Source: 4I17009-01 Prepared & Analyzed: 09/22/14

Surrogate: Toluene-d8 45.7 ug/L 50 91.3 70-140

Matrix Spike Dup (B4I2208-MSD1) Source: 4I17009-01 Prepared & Analyzed: 09/22/14

Benzene	17.2	0.20	ug/L	20		86.0	70-130	0.116	30	
Ethylbenzene	20.6	0.20	ug/L	20		103	70-130	2.71	30	
Methyl-tert-Butyl Ether (MTBE)	20.1	0.40	ug/L	20	<2.0	100	70-130	2.46	30	
Toluene	19.6	0.30	ug/L	20		97.9	70-130	2.95	30	

Surrogate: 4-Bromofluorobenzene 49.2 ug/L 50 98.4 70-140

Surrogate: Dibromofluoromethane 45.2 ug/L 50 90.3 70-140

Surrogate: Toluene-d8 46.2 ug/L 50 92.3 70-140

Diesel Range Organics by GC/FID - Quality Control

Batch B4I2307 - EPA 3510C

Blank (B4I2307-BLK1) Prepared & Analyzed: 09/23/14

Diesel Range Organics as Diesel <60 60 ug/L

Surrogate: o-Terphenyl 36.5 ug/L 40 91.2 50-150

LCS (B4I2307-BS1) Prepared & Analyzed: 09/23/14

Diesel Range Organics as Diesel 796 60 ug/L 800 99.6 75-125 30

Surrogate: o-Terphenyl 46.7 ug/L 40 117 50-150

LCS Dup (B4I2307-BSD1) Prepared & Analyzed: 09/23/14

Diesel Range Organics as Diesel 799 60 ug/L 800 99.9 75-125 0.375 30

Surrogate: o-Terphenyl 53.8 ug/L 40 134 50-150

Total Metals by ICP Atomic Emission Spectroscopy - Quality Control

Batch B4I1904 - EPA 3010A

Blank (B4I1904-BLK1) Prepared & Analyzed: 09/19/14

Arsenic <0.0060 0.0060 mg/L

LCS (B4I1904-BS1) Prepared & Analyzed: 09/19/14

Arsenic 0.240 0.0060 mg/L 0.20 120 80-120 20

LCS Dup (B4I1904-BSD1) Prepared & Analyzed: 09/19/14

Arsenic 0.220 0.0060 mg/L 0.20 110 80-120 8.70 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: A5331107
Date Received: 09/17/14
Date Reported: 09/24/14

Analyte	Reporting Result	Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Metals by ICP Atomic Emission Spectroscopy - Quality Control										
<i>Batch B4I1904 - EPA 3010A</i>										
Matrix Spike (B4I1904-MS1) Source: 4I17009-01 Prepared & Analyzed: 09/19/14										
Arsenic	0.200	0.0060	mg/L	0.20	<0.0070	100	75-125		20	
Matrix Spike Dup (B4I1904-MSD1) Source: 4I17009-01 Prepared & Analyzed: 09/19/14										
Arsenic	0.240	0.0060	mg/L	0.20	<0.0070	120	75-125	18.2	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: A5331107
Date Received: 09/17/14
Date Reported: 09/24/14

Special Notes

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

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

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

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)

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

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

104.035	001	1,2,3-Trichloropropane	SRL 524M-TCP
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethene	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	EPA 524.2
104.040	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	028	Dichloromethane	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	EPA 524.2
104.040	034	trans-1,3-Dichloropropene	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethene	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2

104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2
104.045	005	Trihalomethanes	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	004	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	005	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	006	Trichlorotrifluoroethane	EPA 524.2
104.050	007	tert-Butyl Alcohol (TBA)	EPA 524.2
104.050	008	Carbon Disulfide	EPA 524.2
104.050	009	Methyl Isobutyl Ketone	EPA 524.2

Field of Testing: 108 - Inorganic Chemistry of Wastewater

108.020	001	Conductivity	EPA 120.1
108.090	001	Residue, Volatile	EPA 160.4
108.110	001	Turbidity	EPA 180.1
108.112	001	Boron	EPA 200.7
108.112	002	Calcium	EPA 200.7
108.112	003	Hardness (calculation)	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	006	Silica	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.120	001	Bromide	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	004	Nitrate	EPA 300.0
108.120	005	Nitrite	EPA 300.0
108.120	006	Nitrate-nitrite	EPA 300.0
108.120	007	Phosphate, Ortho	EPA 300.0
108.120	008	Sulfate	EPA 300.0
108.264	001	Phosphate, Ortho	EPA 365.3
108.323	001	Chemical Oxygen Demand	EPA 410.4
108.350	001	Total Recoverable Petroleum Hydrocarbons	EPA 418.1
108.360	001	Phenols, Total	EPA 420.1
108.381	001	Oil and Grease	EPA 1664A
108.390	001	Turbidity	SM2130B
108.400	001	Acidity	SM2310B
108.410	001	Alkalinity	SM2320B
108.420	001	Hardness (calculation)	SM2340B
108.421	001	Hardness	SM2340C
108.430	001	Conductivity	SM2510B
108.440	001	Residue, Total	SM2540B

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

Field of Testing: 109 - Toxic Chemical Elements of Wastewater

109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7

109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.020	020	Gold	EPA 200.8
109.020	021	Iron	EPA 200.8
109.190	001	Mercury	EPA 245.1
109.191	001	Mercury	EPA 245.2
109.400	001	Mercury	SM3112B
109.430	001	Aluminum	SM3120B
109.430	002	Antimony	SM3120B
109.430	003	Arsenic	SM3120B
109.430	004	Barium	SM3120B
109.430	005	Beryllium	SM3120B
109.430	007	Cadmium	SM3120B
109.430	009	Chromium	SM3120B
109.430	010	Cobalt	SM3120B
109.430	011	Copper	SM3120B
109.430	012	Iron	SM3120B
109.430	013	Lead	SM3120B
109.430	015	Manganese	SM3120B
109.430	016	Molybdenum	SM3120B
109.430	017	Nickel	SM3120B
109.430	019	Selenium	SM3120B
109.430	021	Silver	SM3120B

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

Field of Testing: 110 - Volatile Organic Chemistry of Wastewater

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

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

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

Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste

114.010	001	Antimony	EPA 6010B
114.010	002	Arsenic	EPA 6010B
114.010	003	Barium	EPA 6010B
114.010	004	Beryllium	EPA 6010B
114.010	005	Cadmium	EPA 6010B
114.010	006	Chromium	EPA 6010B
114.010	007	Cobalt	EPA 6010B
114.010	008	Copper	EPA 6010B
114.010	009	Lead	EPA 6010B
114.010	010	Molybdenum	EPA 6010B
114.010	011	Nickel	EPA 6010B
114.010	012	Selenium	EPA 6010B
114.010	013	Silver	EPA 6010B
114.010	014	Thallium	EPA 6010B
114.010	015	Vanadium	EPA 6010B
114.010	016	Zinc	EPA 6010B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020

114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.103	001	Chromium (VI)	EPA 7196A
114.106	001	Chromium (VI)	EPA 7199
114.140	001	Mercury	EPA 7470A
114.141	001	Mercury	EPA 7471A
114.221	001	Cyanide, Total	EPA 9012A
114.230	001	Sulfides, Total	EPA 9034
114.231	001	Sulfide	EPA 9215
114.240	001	Corrosivity - pH Determination	EPA 9040B
114.241	001	Corrosivity - pH Determination	EPA 9045C
114.250	001	Fluoride	EPA 9056
114.280	001	Organic Lead	HML 939-M

Field of Testing: 115 - Extraction Test of Hazardous Waste

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

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

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

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

117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015B
117.016	001	Diesel-range Total Petroleum Hydrocarbons	LUFT
117.017	001	TRPH Screening	EPA 418.1
117.110	000	Extractable Organics	EPA 8270C
117.140	000	Polynuclear Aromatic Hydrocarbons	EPA 8310

117.210	000	Organochlorine Pesticides	EPA 8081A
117.220	000	PCBs	EPA 8082
117.240	000	Organophosphorus Pesticides	EPA 8141A
117.250	000	Chlorinated Herbicides	EPA 8151A

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