April 13, 2018

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

Subject: **GROUNDWATER DISCHARGE MONITORING REPORT**
QUARTER 1, 2018
NPDES No. CAG994004; Compliance File No. CI-7585
Defense Fuel Support Point, Norwalk
15306 Norwalk Boulevard
Norwalk, California

On behalf of The Defense Logistics Agency Installation Operations Energy (DLA), The Source Group, Inc. (SGI) presents this groundwater discharge monitoring report to summarize the National Pollutant Discharge Elimination System (NPDES) monitoring activities for Quarter 1, 2018 at Defense Fuel Support Point (DFSP), Norwalk located at 15306 Norwalk Boulevard, in Norwalk, California (Site).

SUMMARY OF REMEDIATION PROGRESS AND DISCHARGE VOLUMES

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

The GWETS consists of five vertical extraction wells (four 6-inch diameter wells and one 4-inch diameter well), three bag filter vessels, two MYCELX oil separator vessels, three granular activated carbon (GAC) vessels, and two ion exchange vessels. Four wells (GW-2, GW-13, GW-15, and GW-16) were in operation during this reporting period. As summarized in Table 1, the treated groundwater was discharged in accordance with NPDES Permit No. CAG994004, Compliance File No. CI-7585 with the exception of the acute toxicity sample collected on February 28, 2018 (see Summary of Non-Compliance section).

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 189,822 gallons. Based on the total petroleum hydrocarbons as diesel (TPHd) results for influent water samples and total groundwater extracted, the mass of TPHd removed by the GWETS was approximately 0.1 pounds (Table 2C) during Quarter 1, 2018.

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). Except as discussed in the Summary of Non-Compliance section below, the sampling results indicate concentrations were below detection limits or did not exceed permit required discharge levels. The sample dates and summary of test results are provided in Table 1. Laboratory analytical reports and chain-of-custody documents are included in Appendix A.

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

SUMMARY OF NON-COMPLIANCE

The GWETS operated in compliance with NPDES No. CAG994004, CI-7585 during this reporting period with the exception of the acute toxicity sample collected on February 28, 2018. As indicated on Table 1, the GWETS was manually shutdown the same day after the sample was collected as a precautionary measure pending confirmation of permit compliance. Note that discharge was limited to just a handful of days during February 2018 pending the completion of system/compound modification and upgrade work that began during late January 2018 (see Tables 2A and 2B).

Per Section IV, Part B.3 of Monitoring and Reporting Program No. CI-7585 (MRP), SGI immediately notified the LARWQCB with the reporting requirement being waived since the failed result is under the umbrella of our previously submitted November 30, 2017 *Acute Toxicity Testing Exceedance Report*. Investigation measures and additional actions taken to achieve permit compliance were part of SGI's March 2, 2018 notification and included the deployment of a temporary treated groundwater holding tank (i.e., although the system was briefly operated during March 2018 to confirm that the implemented actions/measures were successful, no actual discharge occurred during the month).

As the March 20, 2018 results indicate, full compliance with the permit limit was achieved following the implementation of these measures/actions such that accelerated monthly acute toxicity testing will continue during the next reporting period to demonstrate continued compliance so that regular annual monitoring for this parameter can subsequently resume. Note that as also indicated on Table 1, regular quarterly monitoring for copper will resume during Quarter 2, 2018 (see SGI's November 30, 2017 report) as all of the attached monthly accelerated monitoring results for this parameter were below the specified permit limit.

LABORATORY CERTIFICATION

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

REPORT CERTIFICATION

The DLA report certification is provided in Appendix C.

Sincerely,

Michael Wood, P.E.
Senior Engineer

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

Attachments and Distribution on Next Page.

Attachments:

Table 1 – Summary of Effluent Groundwater Analytical Sampling Results - 1st Quarter 2018
Table 2A – Groundwater Extraction and Treatment System Operations Summary - January
Table 2B – Groundwater Extraction and Treatment System Operations Summary - February
Table 2C – Groundwater Extraction and Treatment System Operations Summary - March

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

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Ms. Mary Jane McIntosh, RAB Community Member
Ms. Tracy Winkler, RAB Community Member

TABLES

TABLE 1
Summary of Effluent Groundwater Analytical Sampling Results - 1st Quarter 2018
DFSP, Norwalk
15306 Norwalk Blvd., Norwalk, CA

Sampling Frequency			Monthly							Quarterly											Annually
Laboratory Analysis Methods			--	SM 4500 H+B	--	EPA 8015B (M)	EPA 8260B	EPA 8260B	EPA 6020	SM 5520 B	EPA 6020	SM 2130 B	SM 4500 S2-D	SM 4500-Cl F	SM 2540 C	SM 2540 D	SM 2540 F	SM 5540 C	EPA 420.1	SM 5210 B	EPA 2000.0
Daily Discharge Limitations			--	--	--	100 µg/L	5 µg/L	12 µg/L	10 µg/L	15 mg/L	30 µg/L	150 NTU	1.0 mg/L	0.1 mg/L	--	75 mg/L	0.3 mL/L	0.5 mg/L	1.0 mg/L	30 mg/L	--
Monthly Discharge Limitations			--	--	--	--	--	--	--	10 mg/L	15 µg/L	50 NTU	--	--	--	50 mg/L	0.1 mL/L	--	--	20 mg/L	--
Sample Date	**Notes**	**GWETS Wells On Line**	**Average Flow Rate**	**pH** [A]	**Temp-erature**	**TPH**	**MTBE**	**TBA**	**Arsenic**	**Oil & Grease**	**Copper**	**Turbidity**	**Sulfides**	**Residual Chlorine**	**Total Dissolved Solids**	**Total Suspended Solids**	**Settleable Solids**	**MBAS**	**Phenols**	**BOD_5 20°C**	**Acute Toxicity**
			(gpm)	**pH units**	**°C**	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(µg/L)	(NTU)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mL/L)	(mg/L)	(mg/L)	(mg/L)	(% Survival)
01/11/18		GW-13, GW-15, GW-16	4.5	7.59	20.7	<100	<0.40	<7.0	<6.0	--	<7.0 [B]	--	--	--	--	--	--	--	--	--	--
01/15/18		GW-13, GW-15, GW-16	3.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	95 [C]
02/26/18	1	GW-2, GW-13, GW-15, GW-16	5.7	7.22	18.5	<100	<0.40	<7.0	<6.0	<5.0	<7.0 [B]	**4.7**	<0.027	<0.1 [D]	**960**	<5.0	<0.1	<0.05	<0.15	<5.0	**--**
02/28/18	2	GW-2, GW-13, GW-15, GW-16	6.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25 [E]
03/20/18	3,4,5	GW-2, GW-13, GW-15, GW-16	4.4	7.27	17.0	<100	<0.40	<7.0	<6.0	--	<14 [B]	--	--	--	--	--	--	--	--	--	100 [F]

Legend / Notes:

GWETS = Groundwater extraction and treatment system
TPH = Total petroleum hydrocarbons (gasoline range organics [GRO] and diesel range organics [DRO])
MTBE = Methyl tertiary-butyl ether
TBA = tertiary-Butyl alcohol
MBAS = Methylene blue active substances
BOD = Biochemical oxygen demand
gpm = Gallons per minute
mg/L = Micrograms per liter
mg/L = Milligrams per liter
NTU = Nephelometric Turbidity Units
mL/L = Milliliters per liter
<0.40 = Not detected at or above the Method Detection Limit (MDL) shown.
-- = Not measured or analyzed

A = Measured in the field using an Oakton® pH Tester Model 30.
B = Accelerated monthly permit compliance monitoring result (see Note 5 and SGI's January 15, 2018 *Groundwater Discharge Monitoring Report* for details, including action measures taken to help ensure permit compliance).
C = Second consecutive passing accelerated monthly permit compliance monitoring result (see SGI's January 15, 2018 report for December 2017 result, and November 30, 2017 *Acute Toxicity Testing Exceedance Report* for initial notification details, investigative measures and follow up actions taken to help ensure permit compliance).
D = Measured in the field using a HACH® Chlorine Test Kit Model CN-70.
E = Discharge terminated the same day pending the analytical result as a precautionary measure (see Notes 2 through 4 for notification details, investigative measures and additional actions taken to achieve permit compliance).
F = Initial passing accelerated monthly permit compliance monitoring result following failed result from February 2018 (see Notes 2 through 4).

1 = GWETS manually shutdown on January 23, 2018 to conduct remediation compound modification and upgrade work and remained off-line until February 22, 2018.
2 = LARWQCB notified following receipt of this result from the laboratory per Section IV, Part B.3 of Monitoring and Reporting Program No. CI-7585 (MRP) with the reporting requirement being waived since the failed result is under the umbrella of the previously submitted November 30, 2017 report.
3 = All treated groundwater stored in a temporary holding tank (deployed to the site based on the February 28, 2018 acute toxicity test result along with adding a recirculation loop to the system) in order to verify permit compliance prior to resuming discharge.
4 = Accelerated acute toxicity test permit compliance monitoring to continue to be conducted during the next reporting period per Section IV, Part A.4 of the MRP.
5 = Regular quarterly monitoring for copper to resume during the next reporting period per Section I, Part V of the MRP.

TABLE 2A

Groundwater Extraction and Treatment System Operations Summary - January

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	GW-2 Totalizer Reading (gallons)	GW-13 Totalizer Reading (gallons)	GW-15 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from North-East Area (gallons)	Groundwater Extracted from North-West Area (gallons)	NPDES Discharge Totalizer Reading (gallons)	Groundwater Extracted and Treated Per Day (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed [A] (lb)
1/1/18	Off line		1,310	3,663	88,317	217,779	11,423,059	4,784,010	77,713,213	0	--	9,945
1/2/18	Off line		1,310	3,663	88,317	217,779	11,423,059	4,784,010	77,713,213	0	--	9,945
1/3/18	Off line		1,310	3,663	88,317	217,779	11,423,059	4,784,010	77,713,213	0	--	9,945
1/4/18	Off line		1,310	3,663	88,317	217,779	11,423,059	4,784,010	77,713,213	0	--	9,945
1/5/18	Off line		1,310	3,663	88,317	217,779	11,423,059	4,784,010	77,713,213	0	--	9,945
1/6/18	Off line		1,310	3,663	88,317	217,779	11,423,059	4,784,010	77,713,213	0	--	9,945
1/7/18	Off line		1,310	3,663	88,317	217,779	11,423,059	4,784,010	77,713,213	0	--	9,945
1/8/18	Technician	1,2	1,310	3,663	88,317	217,779	11,423,059	4,784,010	77,713,213	0	--	9,945
1/9/18	*		1,310	5,205	91,214	220,723	11,428,899	4,785,552	77,720,561	7,348	--	9,945
1/10/18	*		1,310	6,747	94,111	223,666	11,434,740	4,787,094	77,727,909	7,348	--	9,945
1/11/18	Technician	3	1,310	8,113	96,676	226,273	11,439,911	4,788,460	77,734,415	6,506	73	9,945
1/12/18	*		1,310	8,401	99,427	229,261	11,445,651	4,788,748	77,738,817	4,402	--	9,945
1/13/18	*		1,310	8,690	102,179	232,249	11,451,391	4,789,037	77,743,220	4,402	--	9,945
1/14/18	*		1,310	8,979	104,931	235,237	11,457,131	4,789,326	77,747,622	4,402	--	9,945
1/15/18	Technician	4	1,310	9,268	107,683	238,225	11,462,871	4,789,615	77,752,024	4,402	--	9,945
1/16/18	*		1,310	9,557	110,435	241,213	11,468,611	4,789,904	77,756,426	4,402	--	9,945
1/17/18	Technician	5	1,310	9,851	113,235	244,253	11,474,451	4,790,198	77,760,905	4,479	--	9,945
1/18/18	*		6,657	11,742	116,892	248,211	11,482,066	4,797,436	77,775,526	14,621	--	9,945
1/19/18	*		12,005	13,633	120,549	252,168	11,489,680	4,804,674	77,790,147	14,621	--	9,945
1/20/18	*		17,352	15,523	124,206	256,126	11,497,295	4,811,913	77,804,768	14,621	--	9,945
1/21/18	*		22,699	17,414	127,863	260,084	11,504,910	4,819,151	77,819,389	14,621	--	9,945
1/22/18	*		28,047	19,305	131,520	264,042	11,512,525	4,826,389	77,834,010	14,621	--	9,945
1/23/18	Technician	6	32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	11,930	--	9,945
1/24/18	Off line		32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945
1/25/18	Off line		32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945
1/26/18	Off line		32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945
1/27/18	Off line		32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945
1/28/18	Off line		32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945
1/29/18	Off line		32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945
1/30/18	Off line		32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945
1/31/18	Off line		32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945

Cumulative Groundwater Discharged by the GWETS to Date (gallons)							
Period	January	Quarter 1, 2018	Quarter 2, 2018	Quarter 3, 2018	Quarter 4, 2018	2018 to Date	April 1996 to Date
Volume	132,727	132,727	--	--	--	132,727	77,845,940

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	January	Quarter 1 to Date	April 1996 to Date
Mass	0.08	0.08	9,945.4

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

Legend / Notes:

1 = GWETS restarted (off-line since 12/28/17) following confirmation of compliance with copper discharge limit from late December 2017 sampling event.

2 = Pump in well GW-2 off-line since 12/11/17 pending replacement.

3 = Collected monthly influent, intermediate, and effluent samples for laboratory analysis, including copper sample as part of required accelerated permit compliance monitoring (see Table 1).

4 = Collected monthly acute toxicity testing sample for laboratory analysis as part of required accelerated permit compliance monitoring (see Table 1).

5 = Pump in well GW-2 brought back online following completion of replacement work.

6 = GWETS manually shutdown to conduct system/compound modification and upgrade work.

GWETS = Groundwater extraction and treatment system

µg/L - Micrograms per liter

lb = Pounds

DRO = Diesel range organics

A = Hydrocarbon removal is calculated using analytical laboratory result for DRO (if not detected, half the detection limit is used) from sample collected on: 1/11/18 (laboratory report attached).

-- = Not applicable

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

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

TABLE 2B

Groundwater Extraction and Treatment System Operations Summary - February

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	GW-2 Totalizer Reading (gallons)	GW-13 Totalizer Reading (gallons)	GW-15 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from North-East Area (gallons)	Groundwater Extracted from North-West Area (gallons)	NPDES Discharge Totalizer Reading (gallons)	Groundwater Extracted and Treated Per Day (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed [A] (lb)
2/1/18	Off line		32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945
2/2/18	Off line		32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945
2/3/18	Off line		32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945
2/4/18	Off line		32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945
2/5/18	Off line		32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945
2/6/18	Off line		32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945
2/7/18	Off line		32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945
2/8/18	Off line		32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945
2/9/18	Off line		32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945
2/10/18	Off line		32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945
2/11/18	Off line		32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945
2/12/18	Off line		32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945
2/13/18	Off line		32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945
2/14/18	Off line		32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945
2/15/18	Off line		32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945
2/16/18	Off line		32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945
2/17/18	Off line		32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945
2/18/18	Off line		32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945
2/19/18	Off line		32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945
2/20/18	Off line		32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945
2/21/18	Off line		32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945
2/22/18	Technician	1	32,410	20,848	134,504	267,271	11,518,738	4,832,295	77,845,940	0	--	9,945
2/23/18	*		35,685	22,264	137,129	270,103	11,524,195	4,836,986	77,855,935	9,995	--	9,945
2/24/18	*		38,960	23,680	139,753	272,935	11,529,651	4,841,678	77,865,930	9,995	--	9,945
2/25/18	*		42,236	25,097	142,378	275,767	11,535,108	4,846,369	77,875,925	9,995	--	9,945
2/26/18	Technician	2,3,4	44,931	26,262	144,538	278,097	11,539,598	4,850,230	77,884,150	8,225	130	9,945
2/27/18	*		47,521	27,922	147,097	280,723	11,544,783	4,854,480	77,893,845	9,695	--	9,945
2/28/18	Technician	5,6	49,976	29,495	149,522	283,212	11,549,697	4,858,508	77,903,035	9,190	--	9,945

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	February	Quarter 1, 2018	Quarter 2, 2018	Quarter 3, 2018	Quarter 4, 2018	2018 to Date	April 1996 to Date
Volume	57,095	189,822	--	--	--	189,822	77,903,035

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	February	Quarter 1 to Date	April 1996 to Date
Mass	0.05	0.13	9,945.4

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

Legend / Notes:

1 = GWETS restarted (off-line since 1/23/18) following completion of system/compound modification and upgrade work.

2 = Collected monthly process and intermediate samples for laboratory analysis.

3 = Collected quarterly effluent samples for laboratory analysis (see Table 1).

4 = Measured residual chlorine in the field using HACH Test Kit Model CN-70.

5 = Collected monthly acute toxicity testing sample for laboratory analysis as part of required accelerated permit compliance monitoring (see Table 1).

6 = GWETS manually shutdown upon departure as a precautionary measure pending confirmation of compliance with all discharge limits from the February 2018 sampling events.

GWETS = Groundwater extraction and treatment system

µg/L - Micrograms per liter

lb = Pounds

DRO = Diesel range organics

A = Hydrocarbon removal is calculated using analytical laboratory result for DRO (if not detected, half the detection limit is used) from sample collected on: 2/26/18 (laboratory report attached).

-- = Not applicable

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

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

TABLE 2C

Groundwater Extraction and Treatment System Operations Summary - March

DFSP, Norwalk

15306 Norwalk Blvd., Norwalk, CA

Date	Data Source	Notes	GW-2 Totalizer Reading (gallons)	GW-13 Totalizer Reading (gallons)	GW-15 Totalizer Reading (gallons)	GW-16 Totalizer Reading (gallons)	Groundwater Extracted from North-East Area (gallons)	Groundwater Extracted from North-West Area (gallons)	NPDES Discharge Totalizer Reading (gallons)	Groundwater Extracted and Treated Per Day * (gallons)	Influent DRO (ug/L)	Cumulative DRO Removed [A] (lb)
3/1/18	Off line		49,976	29,495	149,522	283,212	11,549,697	4,858,508	77,903,035	0	--	9,945
3/2/18	Off line	1	49,976	29,495	149,522	283,212	11,549,697	4,858,508	77,903,035	0	--	9,945
3/3/18	Off line		49,976	29,495	149,522	283,212	11,549,697	4,858,508	77,903,035	0	--	9,945
3/4/18	Off line		49,976	29,495	149,522	283,212	11,549,697	4,858,508	77,903,035	0	--	9,945
3/5/18	Off line		49,976	29,495	149,522	283,212	11,549,697	4,858,508	77,903,035	0	--	9,945
3/6/18	Off line		49,976	29,495	149,522	283,212	11,549,697	4,858,508	77,903,035	0	--	9,945
3/7/18	Off line		49,976	29,495	149,522	283,212	11,549,697	4,858,508	77,903,035	0	--	9,945
3/8/18	Off line		49,976	29,495	149,522	283,212	11,549,697	4,858,508	77,903,035	0	--	9,945
3/9/18	Off line		49,976	29,495	149,522	283,212	11,549,697	4,858,508	77,903,035	0	--	9,945
3/10/18	Off line		49,976	29,495	149,522	283,212	11,549,697	4,858,508	77,903,035	0	--	9,945
3/11/18	Off line		49,976	29,495	149,522	283,212	11,549,697	4,858,508	77,903,035	0	--	9,945
3/12/18	Off line		49,976	29,495	149,522	283,212	11,549,697	4,858,508	77,903,035	0	--	9,945
3/13/18	Off line		49,976	29,495	149,522	283,212	11,549,697	4,858,508	77,903,035	0	--	9,945
3/14/18	Off line		49,976	29,495	149,522	283,212	11,549,697	4,858,508	77,903,035	0	--	9,945
3/15/18	Technician	2	49,976	29,495	149,522	283,212	11,549,697	4,858,508	77,903,035	1,736	--	9,945
3/16/18	Technician	3	51,664	30,306	150,748	284,696	11,552,407	4,861,007	77,903,035	3,473	--	9,945
3/17/18	Off line		51,664	30,306	150,748	284,696	11,552,407	4,861,007	77,903,035	0	--	9,945
3/18/18	Off line		51,664	30,306	150,748	284,696	11,552,407	4,861,007	77,903,035	0	--	9,945
3/19/18	Technician	4	51,664	30,306	150,748	284,696	11,552,407	4,861,007	77,903,035	4,185	--	9,945
3/20/18	Technician	5	54,181	31,231	152,043	286,236	11,555,242	4,864,449	77,903,035	2,092	ND <60	9,945
3/21/18	Off line		54,181	31,231	152,043	286,236	11,555,242	4,864,449	77,903,035	0	--	9,945
3/22/18	Off line		54,181	31,231	152,043	286,236	11,555,242	4,864,449	77,903,035	0	--	9,945
3/23/18	Off line		54,181	31,231	152,043	286,236	11,555,242	4,864,449	77,903,035	0	--	9,945
3/24/18	Off line		54,181	31,231	152,043	286,236	11,555,242	4,864,449	77,903,035	0	--	9,945
3/25/18	Off line		54,181	31,231	152,043	286,236	11,555,242	4,864,449	77,903,035	0	--	9,945
3/26/18	Off line		54,181	31,231	152,043	286,236	11,555,242	4,864,449	77,903,035	0	--	9,945
3/27/18	Off line		54,181	31,231	152,043	286,236	11,555,242	4,864,449	77,903,035	0	--	9,945
3/28/18	Off line		54,181	31,231	152,043	286,236	11,555,242	4,864,449	77,903,035	0	--	9,945
3/29/18	Off line		54,181	31,231	152,043	286,236	11,555,242	4,864,449	77,903,035	0	--	9,945
3/30/18	Off line		54,181	31,231	152,043	286,236	11,555,242	4,864,449	77,903,035	0	--	9,945
3/31/18	Off line		54,181	31,231	152,043	286,236	11,555,242	4,864,449	77,903,035	0	--	9,945

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	March *	Quarter 1, 2018	Quarter 2, 2018	Quarter 3, 2018	Quarter 4, 2018	2018 to Date	April 1996 to Date
Volume	0	189,822	--	--	--	189,822	77,903,035

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	March	Quarter 1 to Date	April 1996 to Date
Mass	0.003	0.13	9,945.4

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

Legend / Notes:

1 = LARWQCB notified following laboratory confirmation that insufficient test species survival was achieved from the February 2018 acute toxicity analytical data (see Table 1).

2 = Pumps turned back on following deployment of a temporary treated groundwater storage tank and installation of a recirculation loop to allow for more thorough system flushing.

3 = Pumps manually shutdown with all stored water being recirculated over the weekend to continue with flushing internally prior to planned monthly sampling next week.

4 = Internal recirculation stopped and pumps turned back on to resume flushing efforts prior to sampling the next day.

5 = Collected regular monthly samples, as well as accelerated copper and acute toxicity testing samples, followed by manually shutting down pumps pending confirmation of compliance with all permit limits prior to resuming discharge.

GWETS = Groundwater extraction and treatment system

µg/L - Micrograms per liter

lb = Pounds

DRO = Diesel range organics

A = Hydrocarbon removal is calculated using analytical laboratory results for DRO (if not detected, half the detection limit is used) from sample collected on: 3/20/18 (laboratory report attached).

-- = Not applicable

* = No actual discharge occurred during March 2018 as all extracted and treated groundwater was stored in a temporary holding tank pending confirmation of compliance with all discharge limits from the monthly sampling event.

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

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

AMERICAN ANALYTICS

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

January 26, 2018

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5332437 / 8A11021

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 01/11/18 16:14 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332437
Date Received: 01/11/18
Date Reported: 01/26/18

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B TPHGASOLINEBTEXOXY					
Effluent	8A11021-01	Water	5	01/11/18 11:18	01/11/18 16:14
Arsenic Total EPA 200.7					
Effluent	8A11021-01	Water	5	01/11/18 11:18	01/11/18 16:14
Diesel Range Organics 8015M					
Effluent	8A11021-01	Water	5	01/11/18 11:18	01/11/18 16:14

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332437
Project No:	04-NDLA-013	**Date Received:**	01/11/18
Project Name:	DFSP Norwalk GWETS NPDES Monthly	**Date Reported:**	01/26/18
Method:	TPHG/BTEX/Oxygenates by GC/MS	**Units:**	ug/L

Date Sampled:	01/11/18		
Date Prepared:	01/15/18		
Date Analyzed:	01/15/18		
AA ID No:	8A11021-01		
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		**%REC Limits**
4-Bromofluorobenzene	106%	70-140
Dibromofluoromethane	127%	70-140
Toluene-d8	100%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332437
Project No:	04-NDLA-013	**Date Received:**	01/11/18
Project Name:	DFSP Norwalk GWETS NPDES Monthly	**Date Reported:**	01/26/18
Method:	Diesel Range Organics by GC/FID	**Units:**	ug/L

Date Sampled:	01/11/18		
Date Prepared:	01/15/18		
Date Analyzed:	01/15/18		
AA ID No:	8A11021-01		
Client ID No:	Effluent		
Matrix:	Water		
Dilution Factor:	1	MDL	MRL
Diesel Range Organics 8015M (EPA 8015M)			
Diesel Range Organics as Diesel	<60	60	100

Surrogates		**%REC Limits**
o-Terphenyl	71%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GWETS NPDES Monthly
Method: Total Metals by ICP Atomic Emission Spectroscopy

AA Project No: A5332437
Date Received: 01/11/18
Date Reported: 01/26/18

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
Arsenic Total EPA 200.7 (EPA 200.7)									
8A11021-01	Effluent	01/11/18	01/16/18	01/17/18	1	<0.0060	mg/L	0.006	0.007

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332437
Date Received: 01/11/18
Date Reported: 01/26/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
TPHG/BTEX/Oxygenates by GC/MS - Quality Control										
Batch B8A1516 - EPA 5030B										
Blank (B8A1516-BLK1)				Prepared & Analyzed: 01/15/18						
tert-Amyl Methyl Ether (TAME)	<0.30	0.30	ug/L							
Benzene	<0.20	0.20	ug/L							
tert-Butyl alcohol (TBA)	<7.0	7.0	ug/L							
Diisopropyl ether (DIPE)	<0.50	0.50	ug/L							
Ethylbenzene	<0.20	0.20	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<0.40	0.40	ug/L							
Gasoline Range Organics (GRO)	<40	40	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<0.40	0.40	ug/L							
Toluene	<0.30	0.30	ug/L							
o-Xylene	<0.30	0.30	ug/L							
m,p-Xylenes	<0.40	0.40	ug/L							
Surrogate: 4-Bromofluorobenzene	*53.4*		*ug/L*	*50*		*107*	*70-140*			
Surrogate: Dibromofluoromethane	*61.5*		*ug/L*	*50*		*123*	*70-140*			
Surrogate: Toluene-d8	*52.2*		*ug/L*	*50*		*104*	*70-140*			
LCS (B8A1516-BS1)				Prepared: 01/15/18 Analyzed: 01/16/18						
tert-Amyl Methyl Ether (TAME)	**19.3**	0.30	ug/L	20		96.6	70-130			
Benzene	**20.1**	0.20	ug/L	20		101	75-125			
tert-Butyl alcohol (TBA)	**91.3**	7.0	ug/L	100		91.3	70-130			
Diisopropyl ether (DIPE)	**19.3**	0.50	ug/L	20		96.7	70-130			
Ethylbenzene	**22.4**	0.20	ug/L	20		112	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**20.1**	0.40	ug/L	20		100	70-130			
Gasoline Range Organics (GRO)	**441**	40	ug/L	500		88.2	70-130			
Methyl-tert-Butyl Ether (MTBE)	**37.7**	0.40	ug/L	40		94.2	70-135			
Toluene	**21.6**	0.30	ug/L	20		108	75-125			
o-Xylene	**21.7**	0.30	ug/L	20		108	75-125			
m,p-Xylenes	**44.9**	0.40	ug/L	40		112	70-130			
Surrogate: 4-Bromofluorobenzene	*51.9*		*ug/L*	*50*		*104*	*70-140*			
Surrogate: Dibromofluoromethane	*50.9*		*ug/L*	*50*		*102*	*70-140*			
Surrogate: Toluene-d8	*52.1*		*ug/L*	*50*		*104*	*70-140*			
Matrix Spike (B8A1516-MS1)				**Source: 8A11016-11** Prepared & Analyzed: 01/15/18						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332437
Date Received: 01/11/18
Date Reported: 01/26/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
TPHG/BTEX/Oxygenates by GC/MS - Quality Control										
Batch B8A1516 - EPA 5030B										
Matrix Spike (B8A1516-MS1) Continued Source: 8A11016-11 Prepared & Analyzed: 01/15/18										
tert-Amyl Methyl Ether (TAME)	**25.4**	0.30	ug/L	20		127	70-130			
Benzene	**21.4**	0.20	ug/L	20		107	70-130			
tert-Butyl alcohol (TBA)	**86.8**	7.0	ug/L	100		86.8	70-130			
Diisopropyl ether (DIPE)	**21.2**	0.50	ug/L	20		106	70-130			
Ethylbenzene	**22.0**	0.20	ug/L	20		110	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**24.4**	0.40	ug/L	20		122	70-130			
Methyl-tert-Butyl Ether (MTBE)	**40.3**	0.40	ug/L	40		101	70-130			
Toluene	**21.8**	0.30	ug/L	20		109	70-130			
o-Xylene	**20.9**	0.30	ug/L	20		104	70-130			
m,p-Xylenes	**43.8**	0.40	ug/L	40		110	70-130			
Surrogate: 4-Bromofluorobenzene	*50.6*		*ug/L*	*50*		*101*	*70-140*			
Surrogate: Dibromofluoromethane	*51.4*		*ug/L*	*50*		*103*	*70-140*			
Surrogate: Toluene-d8	*50.2*		*ug/L*	*50*		*100*	*70-140*			
Matrix Spike Dup (B8A1516-MSD1) **Source: 8A11016-11** Prepared & Analyzed: 01/15/18										
tert-Amyl Methyl Ether (TAME)	**23.5**	0.30	ug/L	20		118	70-130	7.53	30	
Benzene	**21.2**	0.20	ug/L	20		106	70-130	1.18	30	
tert-Butyl alcohol (TBA)	**83.1**	7.0	ug/L	100		83.1	70-130	4.32	30	
Diisopropyl ether (DIPE)	**21.4**	0.50	ug/L	20		107	70-130	0.657	30	
Ethylbenzene	**21.9**	0.20	ug/L	20		109	70-130	0.547	30	
Ethyl-tert-Butyl Ether (ETBE)	**22.9**	0.40	ug/L	20		114	70-130	6.38	30	
Methyl-tert-Butyl Ether (MTBE)	**38.8**	0.40	ug/L	40		97.1	70-130	3.64	30	
Toluene	**21.8**	0.30	ug/L	20		109	70-130	0.138	30	
o-Xylene	**21.1**	0.30	ug/L	20		106	70-130	1.14	30	
m,p-Xylenes	**43.4**	0.40	ug/L	40		109	70-130	0.894	30	
Surrogate: 4-Bromofluorobenzene	*50.1*		*ug/L*	*50*		*100*	*70-140*			
Surrogate: Dibromofluoromethane	*52.0*		*ug/L*	*50*		*104*	*70-140*			
Surrogate: Toluene-d8	*50.8*		*ug/L*	*50*		*102*	*70-140*			
Diesel Range Organics by GC/FID - Quality Control										
Batch B8A1512 - EPA 3510C										
Blank (B8A1512-BLK1) Prepared & Analyzed: 01/15/18										

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332437
Date Received: 01/11/18
Date Reported: 01/26/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diesel Range Organics by GC/FID - Quality Control										
Batch B8A1512 - EPA 3510C										
Blank (B8A1512-BLK1) Continued				Prepared & Analyzed: 01/15/18						
Diesel Range Organics as Diesel	<60	60	ug/L							
Surrogate: o-Terphenyl	*36.4*		*ug/L*	*40*		*91.0*	*50-150*			
LCS (B8A1512-BS1)				Prepared & Analyzed: 01/15/18						
Diesel Range Organics as Diesel	**715**	60	ug/L	800		89.4	75-125		30	
Surrogate: o-Terphenyl	*43.7*		*ug/L*	*40*		*109*	*50-150*			
LCS Dup (B8A1512-BSD1)				Prepared & Analyzed: 01/15/18						
Diesel Range Organics as Diesel	**839**	60	ug/L	800		105	75-125	16.0	30	
Surrogate: o-Terphenyl	*46.0*		*ug/L*	*40*		*115*	*50-150*			
Total Metals by ICP Atomic Emission Spectroscopy - Quality Control										
Batch B8A1637 - EPA 200.7										
Blank (B8A1637-BLK1)				Prepared: 01/16/18 Analyzed: 01/17/18						
Arsenic	<0.0060	0.0060	mg/L							
LCS (B8A1637-BS1)				Prepared: 01/16/18 Analyzed: 01/17/18						
Arsenic	**1.12**	0.0060	mg/L	1.0		112	80-120		20	
LCS Dup (B8A1637-BSD1)				Prepared: 01/16/18 Analyzed: 01/17/18						
Arsenic	**1.14**	0.0060	mg/L	1.0		114	80-120	1.60	20	
Matrix Spike (B8A1637-MS1)			**Source: 8A11023-04**	Prepared: 01/16/18 Analyzed: 01/17/18						
Arsenic	**1.02**	0.0060	mg/L	1.0	0.0197	100	75-125		20	
Matrix Spike Dup (B8A1637-MSD1)			**Source: 8A11023-04**	Prepared: 01/16/18 Analyzed: 01/17/18						
Arsenic	**1.11**	0.0060	mg/L	1.0	0.0197	109	75-125	7.79	20	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332437
Project No:	04-NDLA-013	**Date Received:**	01/11/18
Project Name:	DFSP Norwalk GWETS NPDES Monthly	**Date Reported:**	01/26/18

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

14453

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

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	TPHd 8015M	TPHg/MTBE/TBA 8260B	Arsenic 200.7	Special Instructions
Effluent	8A11021-01	1-11-18	1118	Water	5	✓	✓	✓	Report J-Flags

REVIEWED
Date 1/11/18 Time 1645
TAT 10 days sign:

AS332437/8A11021

	Relinquished by	Date	Time	Received by
1	Glenn Andreska	1-11-18	19:40	
2		1/11/18	1614	
3				

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

AMERICAN ANALYTICS

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

January 22, 2018

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk / 04-NDLA-013

A5332436 / 8A11022

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 01/11/18 16:14 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332436
Date Received: 01/11/18
Date Reported: 01/22/18

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
Copper Dissolved EPA 200.7					
Effluent	8A11022-01	Water	5	01/11/18 11:18	01/11/18 16:14
Copper Total EPA 200.7					
Effluent	8A11022-01	Water	5	01/11/18 11:18	01/11/18 16:14

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk
Method: Dissolved Metals by ICP Atomic Emission Spectroscopy

AA Project No: A5332436
Date Received: 01/11/18
Date Reported: 01/22/18

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
Copper Dissolved EPA 200.7 (EPA 200.7)									
8A11022-01	Effluent	01/11/18	01/12/18	01/15/18	1	<0.0070	mg/L	0.007	0.007

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk
Method: Total Metals by ICP Atomic Emission Spectroscopy

AA Project No: A5332436
Date Received: 01/11/18
Date Reported: 01/22/18

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
Copper Total EPA 200.7 (EPA 200.7)									
8A11022-01	Effluent	01/11/18	01/15/18	01/17/18	1	<0.0070	mg/L	0.007	0.007

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332436
Date Received: 01/11/18
Date Reported: 01/22/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dissolved Metals by ICP Atomic Emission Spectroscopy - Quality Control										
Batch B8A1515 - EPA 200.7										
Blank (B8A1515-BLK1)				Prepared: 01/12/18 Analyzed: 01/15/18						
Copper	<0.0070	0.0070	mg/L							
LCS (B8A1515-BS1)				Prepared: 01/12/18 Analyzed: 01/15/18						
Copper	**1.07**	0.0070	mg/L	1.0		107	80-120		20	
LCS Dup (B8A1515-BSD1)				Prepared: 01/12/18 Analyzed: 01/15/18						
Copper	**1.05**	0.0070	mg/L	1.0		105	80-120	2.26	20	
Matrix Spike (B8A1515-MS1)		**Source: 8A11022-01**		Prepared: 01/12/18 Analyzed: 01/15/18						
Copper	**1.08**	0.0070	mg/L	1.0	<0.0070	108	75-125		20	
Matrix Spike Dup (B8A1515-MSD1)		**Source: 8A11022-01**		Prepared: 01/12/18 Analyzed: 01/15/18						
Copper	**1.10**	0.0070	mg/L	1.0	<0.0070	110	75-125	1.74	20	
Total Metals by ICP Atomic Emission Spectroscopy - Quality Control										
Batch B8A1517 - EPA 200.7										
Blank (B8A1517-BLK1)				Prepared: 01/15/18 Analyzed: 01/17/18						
Copper	<0.0070	0.0070	mg/L							
LCS (B8A1517-BS1)				Prepared: 01/15/18 Analyzed: 01/17/18						
Copper	**1.10**	0.0070	mg/L	1.0		110	80-120		20	
LCS Dup (B8A1517-BSD1)				Prepared: 01/15/18 Analyzed: 01/17/18						
Copper	**1.10**	0.0070	mg/L	1.0		110	80-120	0.545	20	
Duplicate (B8A1517-DUP1)		**Source: 8A11022-01**		Prepared: 01/15/18 Analyzed: 01/17/18						
Copper	**<0.0070**	0.0070	mg/L		<0.0070				30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332436
Project No:	04-NDLA-013	**Date Received:**	01/11/18
Project Name:	DFSP Norwalk	**Date Reported:**	01/22/18

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

14452

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

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

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Client I.D.	A.A. ID	Date	Time	Sample Matrix	No. of Cont	Total Copper 6010B	Dissolved Copper 6010B	Please enter the TAT Turnaround Codes ** below	Special Instructions
Effluent	8A11022-01	1-11-18	1118	Water	1	✓	✓		

REVIEWED Date 1/11/18 Time 16:45 Sign: TAT N Days

AS332436 / 8A11022

Relinquished by	Date	Time	Received by
Glenn Androsko	1-11-18	14:40	
	1/11/18	1614	

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

AMERICAN ANALYTICS

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

January 22, 2018

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk GWETS NPDES Annually / 04-NDLA-013

A5332443 / 8A15008

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 01/15/18 15:30 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 REPORT

Aquatic Testing Laboratories
"dedicated to providing quality aquatic toxicity testing"
4350 Transport Street, Unit 107
Ventura, CA 93003
(805) 650- 0546 FAX (805) 650-0756
CA ELAP Cert. No.: 1775

Date: January 20, 2018

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

Laboratory No.: A-18011604-001
Project No.: A5332443
Sample ID.: 8A15008-01

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

Date Sampled:	01/15/18
Date Received:	01/16/18
Temp. Received:	5.9°C
Chlorine (TRC):	0.0 mg/l
Date Tested:	01/16/18 to 01/20/18

Sample Analysis: The following analyses were performed on your sample:

Fathead Minnow 96hr Percent Survival Bioassay (EPA-821-R-02-012 Method 2000.0);

Attached are the test data generated from the analysis of your sample. All testing was conducted under the direct supervision of Joseph A. LeMay. Daily test readings were taken by Joseph A. LeMay (initials: JAL) and Jacob LeMay (initials: J).

Result Summary:

Sample ID.	Results
8A15008-01	95% Survival (TUa = 0.41)

Quality Control: Reviewed and approved by:

Joseph A. LeMay
Laboratory Director

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of the Laboratory's name for advertising or publicity purpose without authorization is prohibited.

FATHEAD MINNOW PERCENT SURVIVAL TEST
EPA Method 2000.0

Aquatic Testing Laboratories

Lab No.: A-18011604-001
Client/ID: American Analytics 8A15008-01

Start Date: 01/16/2018

TEST SUMMARY

Species: *Pimephales promelas*.
Age: 14 (1-14) days.
Regulations: NPDES.
Test solution volume: 250 ml.
Feeding: prior to renewal at 48 hrs.
Number of replicates: 4.
Control water: Moderately hard reconstituted water.
Photoperiod: 16/8 hrs light/dark.

Source: In-laboratory Culture.
Test type: Static-Renewal.
Test Protocol: EPA-821-R-02-012.
Endpoints: Percent Survival at 96 hrs.
Test chamber: 600 ml beakers.
Temperature: 20 +/- 1°C.
Number of fish per chamber: 10.
QA/QC No.: RT-180109

TEST DATA

		°C	DO	pH	# Dead				Analyst & Time of Readings
					A	B	C	D	
INITIAL	Control	20.2	8.1	8.0	0	0	0	0	2 1430
	100%	20.1	7.5	7.2	0	0	0	0	1-16-18
24 Hr	Control	20.0	8.0	7.8	0	0	0	0	2 1400
	100%	20.0	7.6	7.5	0	0	0	0	1-17-18
48 Hr	Control	20.1	8.1	7.6	0	0	0	0	2 1400
	100%	19.9	7.7	7.2	0	0	0	0	1-18-18
Renewal	Control	20.1	8.5	7.9	0	0	0	0	2 1400
	100%	20.0	8.6	7.4	0	0	0	0	1-18-18
72 Hr	Control	20.0	8.0	8.0	0	0	0	0	2 1400
	100%	20.0	8.1	7.6	0	0	0	0	1-19-18
96 Hr	Control	19.9	8.1	8.0	0	0	0	0	
	100%	19.4	8.4	7.7	1	0	1	0	1-20-18 1430

Comments:
Sample as received: Chlorine: 0 mg/l; Temp: 5.9 °C; DO: 5.4 mg/l; pH: 7.2 ;
Alkalinity: 484 mg/l; Hardness: 719 mg/l; Conductivity: 2055 umho; NH_3-N: 0.7 mg/l.
Sample aerated moderately (approx. 500 ml/min) to raise or lower DO? (Yes) / No.
Control: Alkalinity: 60 mg/l; Hardness: 90 mg/l.; Conductivity: 301 umho.
Test solution aerated (not to exceed 100 bubbles/min) to maintain DO >4.0 mg/l? Yes / (No).
Original sample used for renewal kept at 0-6°C with minimal headspace.
Dissolved Oxygen (DO) readings in mg/l O_2.

RESULTS

Percent Survival In: Control: 100 % 100% Sample: 95 %

Aquatic Testing Labs

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

A.A. COC No.: ~~7358~~ 70050480
Page 1 of 1

Client: AMERICAN ANALYTICS	Project Name / No.: AS332443 / 8A15008	Sampler's Name:
Project Manager: Viorel Vasile	Site Address:	Sampler's Signature:
Phone:	City:	P.O. No.: 30110
Fax:	State & Zip:	Quote No.:

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Acute Toxicity

Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont		Special Instructions
8A15008-01		1/15/18	1200	water	1	X	96hr % Survival Fathead Minnow EPA821-R-02-012 Thank you

For Laboratory Use

5.9 °C

A.A. Project No.:

	Date	Time	
Relinquished by	1-16-18	8:00	Received by
Relinquished by	1-16-18	1330	Received by
Relinquished by	Date	Time	Received by

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

Aquatic
Testing
Laboratories

REFERENCE TOXICANT DATA

FATHEAD MINNOW ACUTE
Reference Toxicant - SDS

Aquatic Testing Laboratories

QA/QC Batch No.: RT-180109

TEST SUMMARY

Species: *Pimephales promelas.*
Age: 9 days old.
Regulations: NPDES.
Test chamber volume: 250 ml.
Feeding: Prior to renewal at 48 hrs.
Temperature: 20 +/- 1°C.
Number of replicates: 2.
Dilution water: MHSF.

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

TEST DATA

	INITIAL			24 Hr					48 Hr				
Date/Time:	1-9-18 1500			1-10-18 1430					1-11-18 1415				
Analyst:	J			J					J				
	°C	DO	pH	°C	DO	pH	# Dead A	# Dead B	°C	DO	pH	# Dead A	# Dead B
Control	20.1	8.5	8.1	19.9	8.3	7.7	0	0	19.9	8.4	7.9	0	0
1.0 mg/l	20.1	8.4	8.1	19.8	8.1	7.7	0	0	19.8	8.3	7.9	0	0
2.0 mg/l	20.2	8.5	8.1	19.8	8.1	7.7	0	0	19.8	8.1	7.8	0	0
4.0 mg/l	20.1	8.4	8.1	19.7	8.2	7.7	0	0	19.8	8.2	7.9	1	0
8.0 mg/l	20.1	8.5	8.1	19.7	8.1	7.7	10	10	–	–	–	–	–
16.0 mg/l	20.1	8.4	8.1	19.7	7.9	7.7	10	10	–	–	–	–	–

	RENEWAL			72 Hr					96 Hr				
Date/Time:	1-11-18 1415			1-12-18 1400					1-13-18 1500				
Analyst:	J			J					J				
	°C	DO	pH	°C	DO	pH	# Dead A	# Dead B	°C	DO	pH	# Dead A	# Dead B
Control	19.9	8.6	8.0	20.0	8.5	7.8	0	0	20.1	7.4	8.0	0	0
1.0 mg/l	19.9	8.6	8.0	20.0	8.5	7.8	0	0	20.0	7.9	8.0	0	0
2.0 mg/l	19.8	8.7	8.0	20.0	8.1	7.8	0	0	20.0	8.0	8.0	0	0
4.0 mg/l	19.8	8.7	8.0	19.8	8.1	7.8	0	0	20.0	8.0	8.1	0	0
8.0 mg/l	–	–	–	–	–	–	–	–	–	–	–	–	–
16.0 mg/l	–	–	–	–	–	–	–	–	–	–	–	–	–

Comments: Control: Alkalinity: 57 mg/l; Hardness: 90 mg/l; Conductivity: 301 umho.
SDS: Alkalinity: 59 mg/l; Hardness: 89 mg/l; Conductivity: 312 umho.
Dissolved Oxygen (DO) readings in mg/l O_2.

Concentration-response relationship acceptable? (see attached computer analysis):
(Yes) (response curve normal)
No (dose interrupted indicated or non-normal)

Acute Fish Test-96 Hr Survival

Start Date:	1/9/2018 15:00	Test ID:	RT180109f	Sample ID:	REF-Ref Toxicant
End Date:	1/13/2018 15:00	Lab ID:	CAATL-Aquatic Testing Labs	Sample Type:	SDS-Sodium dodecyl sulfate
Sample Date:	1/9/2018	Protocol:	EPAAW02-EPA/821/R-02-01	Test Species:	PP-Pimephales promelas
Comments:					

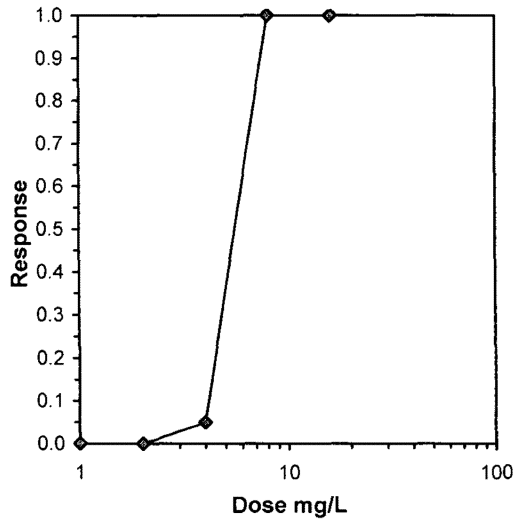
Conc-mg/L	1	2
D-Control	1.0000	1.0000
1	1.0000	1.0000
2	1.0000	1.0000
4	0.9000	1.0000
8	0.0000	0.0000
16	0.0000	0.0000

			Transform: Arcsin Square Root					Number	Total
Conc-mg/L	Mean	N-Mean	Mean	Min	Max	CV%	N	Resp	Number
D-Control	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	2	0	20
1	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	2	0	20
2	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	2	0	20
4	0.9500	0.9500	1.3305	1.2490	1.4120	8.661	2	1	20
8	0.0000	0.0000	0.1588	0.1588	0.1588	0.000	2	20	20
16	0.0000	0.0000	0.1588	0.1588	0.1588	0.000	2	20	20

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

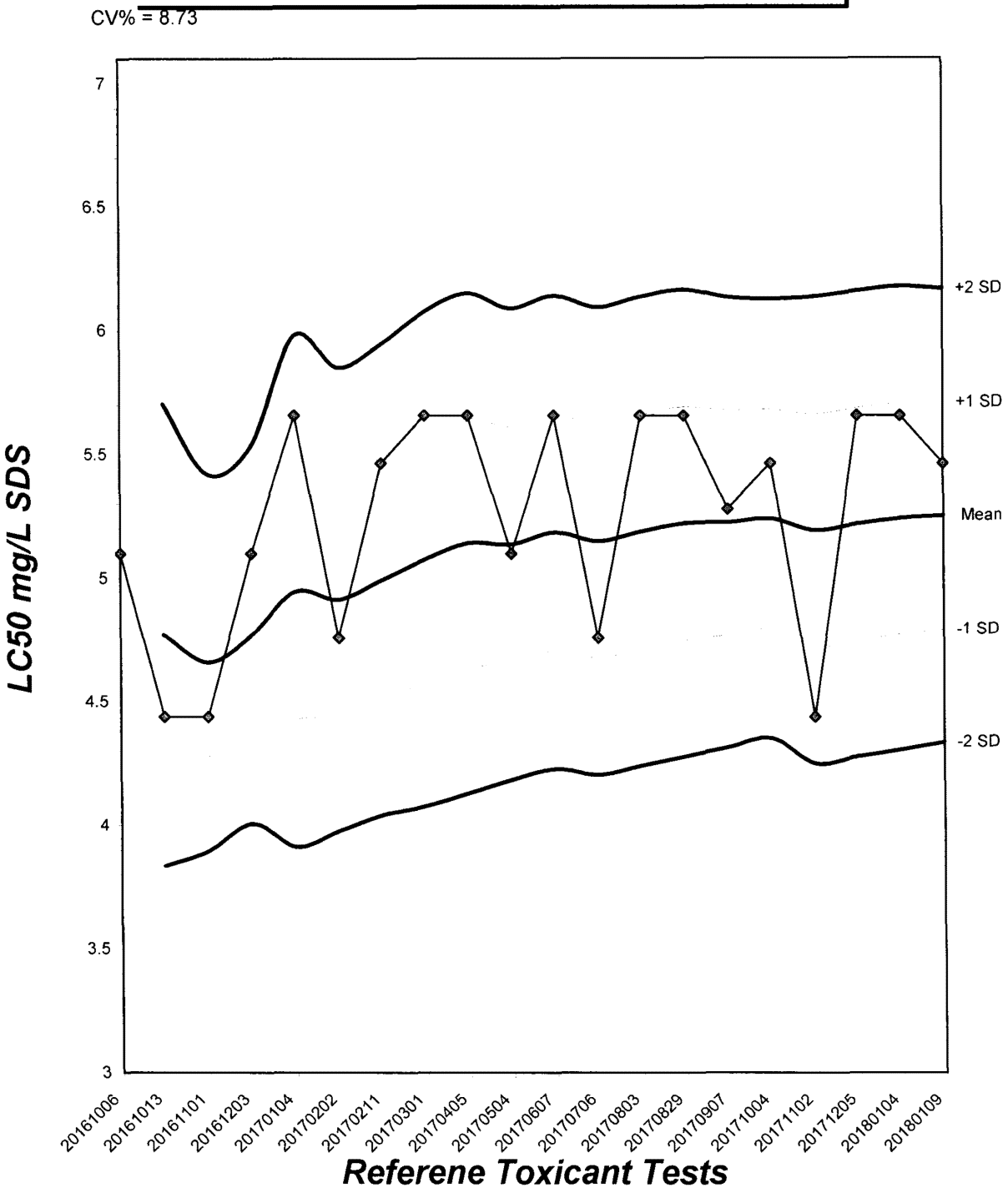
Trimmed Spearman-Karber

Trim Level	EC50	95% CL	
0.0%	5.4642	5.1072	5.8461
5.0%	5.5546	5.3505	5.7664
10.0%	5.5546	5.3505	5.7664
20.0%	5.5546	5.3505	5.7664
Auto-0.0%	5.4642	5.1072	5.8461



Reviewed by:

Fathead Minnow Acute Laboratory Control Chart



Aquatic Testing Laboratories

TEST ORGANISM LOG

FATHEAD MINNOW - LARVAL
(*Pimephales promelas*)

QA/QC BATCH NO.: RT-180109

SOURCE: In-Lab Culture

DATE HATCHED: 12-31-17

APPROXIMATE QUANTITY: 400

GENERAL APPEARANCE: good

MORTALITIES 48 HOURS PRIOR TO TO USE IN TESTING: 0

DATE USED IN LAB: 1 / 9 / 18

AVERAGE FISH WEIGHT: 0.004 gm

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

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

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

200 ml test solution volume = 0.013 gm mean fish weight limit @ 20°C; 0.008 @ 25°C
250 ml test solution volume = 0.016 gm mean fish weight limit @ 20°C; 0.010 @ 25°C

ACCLIMATION WATER QUALITY:

Temp.: 20.1 °C pH: 8.1 Ammonia: 0 mg/l NH_3-N

DO: 8.5 mg/l Alkalinity: 57 mg/l Hardness: 90 mg/l

READINGS RECORDED BY: [signature] DATE: 1-10-18

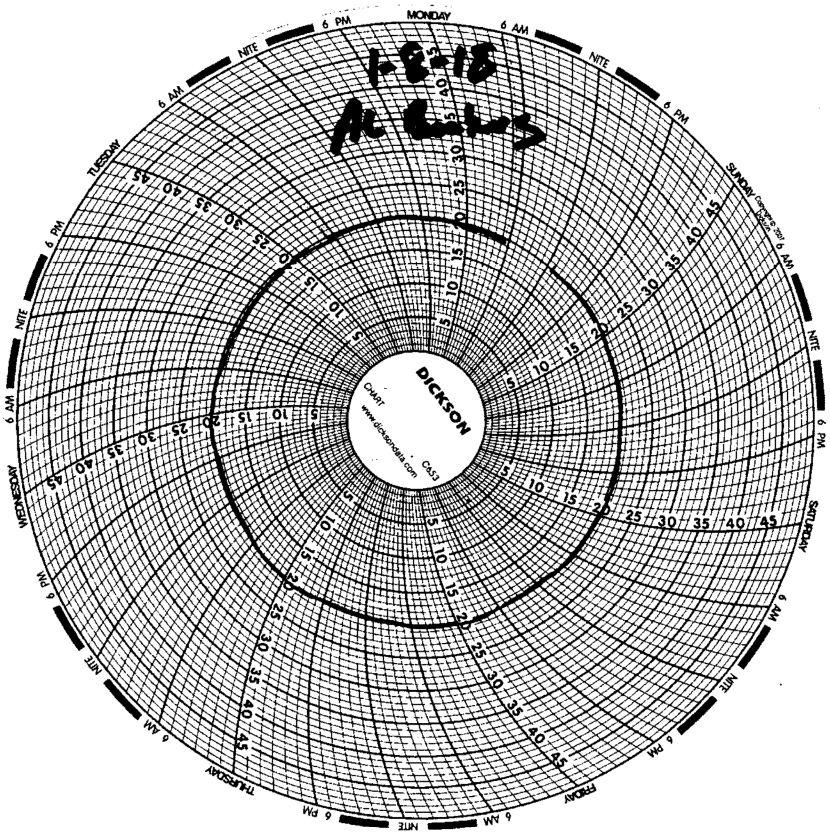
Aquatic Testing Laboratories

Test Temperature Chart

Test No: RT-180109

Date Tested: 01/09/18 to 01/13/18

Acceptable Range: 20 +/- 1°C



AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

14477

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

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

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	TPHd 8015M	TPHg/MTBE/TBA 8260B	Arsenic 200.7	TDS, TSS, Turbidity	BOD5 20 Deg C	Oil & Grease	Settleable Solids	Sulfides, Phenols	Residual Chlorine, Copper	Methylene Blue Active Substances	Acute Toxicity 40 CFR 136	Special Instructions
Effluent	8A15008-01	1-15-18	1200	Water	1												X Report J-Flags

REVIEWED Date 1/15/18 Time 1630 Sign
TAT N Days

AS33243/8A15008

Relinquished by	Date	Time	Received by
Glenn Androsko	1-15-18	1330	
	1/15/18	1530	

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

AMERICAN ANALYTICS

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

March 19, 2018

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk GWETS NPDES Quarterly / 04-NDLA-013

A5332481 / 8B26015

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 02/26/18 14:35 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332481
Date Received: 02/26/18
Date Reported: 03/19/18

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B TPHGASOLINEBTEXOXY					
Effluent	8B26015-01	Water	5	02/26/18 09:25	02/26/18 14:35
Effluent-Dup	8B26015-02	Water	5	02/26/18 09:26	02/26/18 14:35
Arsenic Total EPA 200.7					
Effluent	8B26015-01	Water	5	02/26/18 09:25	02/26/18 14:35
BOD SM5210B					
Effluent	8B26015-01	Water	5	02/26/18 09:25	02/26/18 14:35
Copper Dissolved EPA 200.7					
Effluent	8B26015-01	Water	5	02/26/18 09:25	02/26/18 14:35
Copper Total EPA 200.7					
Effluent	8B26015-01	Water	5	02/26/18 09:25	02/26/18 14:35
Diesel Range Organics 8015M					
Effluent	8B26015-01	Water	5	02/26/18 09:25	02/26/18 14:35
Effluent-Dup	8B26015-02	Water	5	02/26/18 09:26	02/26/18 14:35
HEM Oil and Grease 1664					
Effluent	8B26015-01	Water	5	02/26/18 09:25	02/26/18 14:35

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332481
Date Received: 02/26/18
Date Reported: 03/19/18

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
MBAS SM5540C					
Effluent	8B26015-01	Water	5	02/26/18 09:25	02/26/18 14:35
Phenols 420.1					
Effluent	8B26015-01	Water	5	02/26/18 09:25	02/26/18 14:35
SS SM2540F					
Effluent	8B26015-01	Water	5	02/26/18 09:25	02/26/18 14:35
Sulfide SM4500-S=D					
Effluent	8B26015-01	Water	5	02/26/18 09:25	02/26/18 14:35
TDS SM2540C					
Effluent	8B26015-01	Water	5	02/26/18 09:25	02/26/18 14:35
TSS SM2540D					
Effluent	8B26015-01	Water	5	02/26/18 09:25	02/26/18 14:35
Turbidity 180.1					
Effluent	8B26015-01	Water	5	02/26/18 09:25	02/26/18 14:35

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332481
Date Received: 02/26/18
Date Reported: 03/19/18

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
BOD SM5210B (SM5210B) *									
8B26015-01	Effluent	02/26/18	02/28/18	03/05/18	1	<5.0	mg/L	5	5
HEM Oil and Grease 1664 (EPA 1664)									
8B26015-01	Effluent	02/26/18	03/07/18	03/07/18	1	<5.0	mg/L	5	10
MBAS SM5540C (SM5540C) *									
8B26015-01	Effluent	02/26/18	02/27/18	02/27/18	1	<0.050	mg/L	0.05	0.05
Phenols 420.1 (EPA 420.1) *									
8B26015-01	Effluent	02/26/18	02/28/18	02/28/18	1	<0.15	mg/L	0.15	0.3
SS SM2540F (SM2540F)									
8B26015-01	Effluent	02/26/18	02/26/18	02/26/18	1	<0.100	mL/L	0.1	0.1
Sulfide SM4500-S=D (SM4500-S=D)									
8B26015-01	Effluent	02/26/18	03/02/18	03/02/18	1	<0.027	mg/L	0.027	0.05
TDS SM2540C (SM2540C)									
8B26015-01	Effluent	02/26/18	03/02/18	03/02/18	1	**960**	mg/L	6.2	10
TSS SM2540D (SM2540D)									
8B26015-01	Effluent	02/26/18	02/28/18	02/28/18	1	<5.0	mg/L	5	10
Turbidity 180.1 (EPA 180.1)									
8B26015-01	Effluent	02/26/18	02/26/18	02/26/18	1	**4.7**	NTU	0.168	1

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332481
Project No:	04-NDLA-013	**Date Received:**	02/26/18
Project Name:	DFSP Norwalk GWETS NPDES Quarterly	**Date Reported:**	03/19/18
Method:	TPHG/BTEX/Oxygenates by GC/MS	**Units:**	ug/L

Date Sampled:	02/26/18	02/26/18		
Date Prepared:	03/06/18	03/06/18		
Date Analyzed:	03/06/18	03/06/18		
AA ID No:	8B26015-01	8B26015-02		
Client ID No:	Effluent	Effluent-Dup		
Matrix:	Water	Water		
Dilution Factor:	1	1	MDL	MRL
8260B TPHGASOLINEBTEXOXY (EPA 8260B)				
tert-Amyl Methyl Ether (TAME)	<0.30	<0.30	0.30	2.0
Benzene	<0.20	<0.20	0.20	0.50
tert-Butyl alcohol (TBA)	<7.0	<7.0	7.0	10
Diisopropyl ether (DIPE)	<0.50	<0.50	0.50	2.0
Ethylbenzene	<0.20	<0.20	0.20	0.50
Ethyl-tert-Butyl Ether (ETBE)	<0.40	<0.40	0.40	2.0
Gasoline Range Organics (GRO)	<40	<40	40	100
Methyl-tert-Butyl Ether (MTBE)	<0.40	<0.40	0.40	2.0
Toluene	<0.30	<0.30	0.30	0.50
o-Xylene	<0.30	<0.30	0.30	0.50
m,p-Xylenes	<0.40	<0.40	0.40	1.0
Surrogates				**%REC Limits**
4-Bromofluorobenzene	110%	108%		70-140
Dibromofluoromethane	108%	111%		70-140
Toluene-d8	104%	103%		70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332481
Date Received: 02/26/18
Date Reported: 03/19/18
Units: ug/L

Date Sampled:	02/26/18	02/26/18	
Date Prepared:	03/02/18	03/02/18	
Date Analyzed:	03/02/18	03/02/18	
AA ID No:	8B26015-01	8B26015-02	
Client ID No:	Effluent	Effluent-Dup	
Matrix:	Water	Water	
Dilution Factor:	1	1	MRL
Diesel Range Organics 8015M (EPA 8015M)			
Diesel Range Organics as Diesel	<60	<60	100
Surrogates			**%REC Limits**
o-Terphenyl	61%	71%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GWETS NPDES Quarterly
Method: Dissolved Metals by ICP Atomic Emission Spectroscopy

AA Project No: A5332481
Date Received: 02/26/18
Date Reported: 03/19/18

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
Copper Dissolved EPA 200.7 (EPA 200.7)									
8B26015-01	Effluent	02/26/18	03/02/18	03/02/18	1	<0.0070	mg/L	0.007	0.007

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Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GWETS NPDES Quarterly
Method: Total Metals by ICP Atomic Emission Spectroscopy

AA Project No: A5332481
Date Received: 02/26/18
Date Reported: 03/19/18

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
Arsenic Total EPA 200.7 (EPA 200.7)									
8B26015-01	Effluent	02/26/18	03/02/18	03/02/18	1	<0.0060	mg/L	0.006	0.007
Copper Total EPA 200.7 (EPA 200.7)									
8B26015-01	Effluent	02/26/18	03/02/18	03/02/18	1	<0.0070	mg/L	0.007	0.007

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Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332481
Date Received: 02/26/18
Date Reported: 03/19/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
General Chemistry Analyses - Quality Control										
Batch B8B2734 - NO PREP										
Blank (B8B2734-BLK1)				Prepared & Analyzed: 02/26/18						
Total Settleable Solids	<0.100	0.100	mL/L							
Batch B8B2735 - NO PREP										
Blank (B8B2735-BLK1)				Prepared & Analyzed: 02/26/18						
Turbidity	<0.17	0.17	NTU							
Duplicate (B8B2735-DUP1)			**Source: 8B26015-01**	Prepared: 02/26/18 Analyzed: 03/09/18						
Turbidity	**4.90**	0.17	NTU		4.70			4.17	15	
Batch B8C0110 - NO PREP										
Blank (B8C0110-BLK1)				Prepared & Analyzed: 02/28/18						
Total Suspended Solids	<5.0	5.0	mg/L							
LCS (B8C0110-BS1)				Prepared & Analyzed: 02/28/18						
Total Suspended Solids	**45.0**	5.0	mg/L	50		90.0	80-120			
LCS Dup (B8C0110-BSD1)				Prepared & Analyzed: 02/28/18						
Total Suspended Solids	**45.0**	5.0	mg/L	50		90.0	80-120	0.00	20	
Duplicate (B8C0110-DUP1)			**Source: 8B21010-01**	Prepared & Analyzed: 02/28/18						
Total Suspended Solids	**468**	50	mg/L		448			4.37	20	
Batch B8C0532 - NO PREP										
Blank (B8C0532-BLK1)				Prepared & Analyzed: 03/02/18						
Total Dissolved Solids	<6.2	6.2	mg/L							
LCS (B8C0532-BS1)				Prepared & Analyzed: 03/02/18						
Total Dissolved Solids	**550**	6.2	mg/L	500		110	80-120			
LCS Dup (B8C0532-BSD1)				Prepared & Analyzed: 03/02/18						
Total Dissolved Solids	**470**	6.2	mg/L	500		94.0	80-120	15.7	25	
Duplicate (B8C0532-DUP1)			**Source: 8B28031-01**	Prepared & Analyzed: 03/02/18						
Total Dissolved Solids	**2430**	62	mg/L		2370			2.50	20	
Batch B8C0734 - NO PREP										
Blank (B8C0734-BLK1)				Prepared & Analyzed: 03/07/18						
HEM (Oil and Grease)	<5.0	5.0	mg/L							
LCS (B8C0734-BS1)				Prepared & Analyzed: 03/07/18						
HEM (Oil and Grease)	**36.5**	5.0	mg/L	40		91.2	75-125			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332481
Date Received: 02/26/18
Date Reported: 03/19/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
General Chemistry Analyses - Quality Control										
Batch B8C0734 - NO PREP										
LCS Dup (B8C0734-BSD1)				Prepared & Analyzed: 03/07/18						
HEM (Oil and Grease)	**35.2**	5.0	mg/L	40		88.0	75-125	3.63	30	
Batch B8C0743 - NO PREP										
Blank (B8C0743-BLK1)				Prepared & Analyzed: 03/02/18						
Sulfide	<0.027	0.027	mg/L							
LCS (B8C0743-BS1)				Prepared & Analyzed: 03/02/18						
Sulfide	**0.504**	0.027	mg/L	0.50		101	80-120		25	
LCS Dup (B8C0743-BSD1)				Prepared & Analyzed: 03/02/18						
Sulfide	**0.509**	0.027	mg/L	0.50		102	80-120	0.987	25	
Duplicate (B8C0743-DUP1)		**Source: 8B26011-01**		Prepared & Analyzed: 03/02/18						
Sulfide	**<0.027**	0.027	mg/L						25	
Matrix Spike (B8C0743-MS1)		**Source: 8C01010-01**		Prepared & Analyzed: 03/02/18						
Sulfide	**0.527**	0.027	mg/L	0.50		105	75-125		25	
Matrix Spike Dup (B8C0743-MSD1)		**Source: 8C01010-01**		Prepared & Analyzed: 03/02/18						
Sulfide	**0.483**	0.027	mg/L	0.50		96.6	75-125	8.71	25	
*Batch B8C1919 - *** DEFAULT PREP ****										
Blank (B8C1919-BLK1)				Prepared: 02/28/18 Analyzed: 03/05/18						*
Biochemical Oxygen Demand	<5.0	5.0	mg/L							
LCS (B8C1919-BS1)				Prepared: 02/28/18 Analyzed: 03/05/18						*
Biochemical Oxygen Demand	**172**	5.0	mg/L	200		86.8	80-120		15	
LCS Dup (B8C1919-BSD1)				Prepared: 02/28/18 Analyzed: 03/05/18						*
Biochemical Oxygen Demand	**159**	5.0	mg/L	200		80.3	80-120	7.85	15	
Batch B8C1920 - NO PREP										
Blank (B8C1920-BLK1)				Prepared & Analyzed: 02/27/18						*
Methylene Blue Active Substances	<0.050	0.050	mg/L							
LCS (B8C1920-BS1)				Prepared & Analyzed: 02/27/18						*
Methylene Blue Active Substances	**0.415**	0.050	mg/L	0.50		83.0	75-125		15	
LCS Dup (B8C1920-BSD1)				Prepared & Analyzed: 02/27/18						*
Methylene Blue Active Substances	**0.428**	0.050	mg/L	0.50		85.6	75-125	3.08	15	
Batch B8C1922 - NO PREP										

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LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332481
Date Received: 02/26/18
Date Reported: 03/19/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
General Chemistry Analyses - Quality Control										
Batch B8C1922 - NO PREP										
Blank (B8C1922-BLK1)				Prepared & Analyzed: 02/28/18						*
Phenolics	<0.15	0.15	mg/L							
LCS (B8C1922-BS1)				Prepared & Analyzed: 02/28/18						*
Phenolics	**0.426**	0.15	mg/L	0.50		85.2	80-120		15	
LCS Dup (B8C1922-BSD1)				Prepared & Analyzed: 02/28/18						*
Phenolics	**0.415**	0.15	mg/L	0.50		83.0	80-120	2.62	15	
Matrix Spike (B8C1922-MS1)		**Source: 8B26015-01**		Prepared & Analyzed: 02/28/18						*
Phenolics	**0.436**	0.15	mg/L	0.50	<0.30	87.2	80-120		15	
Matrix Spike Dup (B8C1922-MSD1)		**Source: 8B26015-01**		Prepared & Analyzed: 02/28/18						*
Phenolics	**0.442**	0.15	mg/L	0.50	<0.30	88.4	80-120	1.37	15	
TPHG/BTEX/Oxygenates by GC/MS - Quality Control										
Batch B8C0616 - EPA 5030B										
Blank (B8C0616-BLK1)				Prepared & Analyzed: 03/06/18						
tert-Amyl Methyl Ether (TAME)	<0.30	0.30	ug/L							
Benzene	<0.20	0.20	ug/L							
tert-Butyl alcohol (TBA)	<7.0	7.0	ug/L							
Diisopropyl ether (DIPE)	<0.50	0.50	ug/L							
Ethylbenzene	<0.20	0.20	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<0.40	0.40	ug/L							
Gasoline Range Organics (GRO)	<40	40	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<0.40	0.40	ug/L							
Toluene	<0.30	0.30	ug/L							
o-Xylene	<0.30	0.30	ug/L							
m,p-Xylenes	<0.40	0.40	ug/L							
Surrogate: 4-Bromofluorobenzene	*53.1*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Dibromofluoromethane	*62.7*		*ug/L*	*50*		*125*	*70-140*			
Surrogate: Toluene-d8	*48.9*		*ug/L*	*50*		*97.9*	*70-140*			
LCS (B8C0616-BS1)				Prepared & Analyzed: 03/06/18						
tert-Amyl Methyl Ether (TAME)	**22.2**	0.30	ug/L	20		111	70-130			
Benzene	**18.5**	0.20	ug/L	20		92.3	75-125			
tert-Butyl alcohol (TBA)	**116**	7.0	ug/L	100		116	70-130			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332481
Date Received: 02/26/18
Date Reported: 03/19/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
TPHG/BTEX/Oxygenates by GC/MS - Quality Control										
Batch B8C0616 - EPA 5030B										
LCS (B8C0616-BS1) Continued				Prepared & Analyzed: 03/06/18						
Diisopropyl ether (DIPE)	**20.1**	0.50	ug/L	20		100	70-130			
Ethylbenzene	**19.4**	0.20	ug/L	20		97.0	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**21.4**	0.40	ug/L	20		107	70-130			
Gasoline Range Organics (GRO)	**519**	40	ug/L	500		104	70-130			
Methyl-tert-Butyl Ether (MTBE)	**35.0**	0.40	ug/L	40		87.5	70-135			
Toluene	**18.6**	0.30	ug/L	20		93.2	75-125			
o-Xylene	**18.6**	0.30	ug/L	20		93.0	75-125			
m,p-Xylenes	**36.7**	0.40	ug/L	40		91.7	70-130			
Surrogate: 4-Bromofluorobenzene	*52.4*		*ug/L*	*50*		*105*	*70-140*			
Surrogate: Dibromofluoromethane	*50.4*		*ug/L*	*50*		*101*	*70-140*			
Surrogate: Toluene-d8	*50.3*		*ug/L*	*50*		*101*	*70-140*			
Matrix Spike (B8C0616-MS1)			**Source: 8B26011-01**	Prepared & Analyzed: 03/06/18						
tert-Amyl Methyl Ether (TAME)	**26.0**	0.30	ug/L	20		130	70-130			
Benzene	**19.5**	0.20	ug/L	20		97.4	70-130			
tert-Butyl alcohol (TBA)	**132**	7.0	ug/L	100		132	70-130			QM-07
Diisopropyl ether (DIPE)	**21.7**	0.50	ug/L	20		108	70-130			
Ethylbenzene	**18.2**	0.20	ug/L	20		90.8	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**24.3**	0.40	ug/L	20		122	70-130			
Methyl-tert-Butyl Ether (MTBE)	**49.8**	0.40	ug/L	40		124	70-130			
Toluene	**17.3**	0.30	ug/L	20		86.4	70-130			
o-Xylene	**17.3**	0.30	ug/L	20		86.4	70-130			
m,p-Xylenes	**33.9**	0.40	ug/L	40		84.7	70-130			
Surrogate: 4-Bromofluorobenzene	*53.0*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Dibromofluoromethane	*49.6*		*ug/L*	*50*		*99.3*	*70-140*			
Surrogate: Toluene-d8	*46.7*		*ug/L*	*50*		*93.3*	*70-140*			
Matrix Spike Dup (B8C0616-MSD1)			**Source: 8B26011-01**	Prepared & Analyzed: 03/06/18						
tert-Amyl Methyl Ether (TAME)	**25.1**	0.30	ug/L	20		126	70-130	3.25	30	
Benzene	**20.3**	0.20	ug/L	20		102	70-130	4.17	30	
tert-Butyl alcohol (TBA)	**128**	7.0	ug/L	100		128	70-130	3.08	30	
Diisopropyl ether (DIPE)	**22.4**	0.50	ug/L	20		112	70-130	3.40	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332481
Date Received: 02/26/18
Date Reported: 03/19/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
TPHG/BTEX/Oxygenates by GC/MS - Quality Control										
Batch B8C0616 - EPA 5030B										
Matrix Spike Dup (B8C0616-MSD1) Continued				**Source: 8B26011-01**			Prepared & Analyzed: 03/06/18			
Ethylbenzene	**19.0**	0.20	ug/L	20		94.9	70-130	4.36	30	
Ethyl-tert-Butyl Ether (ETBE)	**23.6**	0.40	ug/L	20		118	70-130	2.71	30	
Methyl-tert-Butyl Ether (MTBE)	**40.8**	0.40	ug/L	40		102	70-130	19.9	30	
Toluene	**18.0**	0.30	ug/L	20		90.0	70-130	4.08	30	
o-Xylene	**17.8**	0.30	ug/L	20		89.2	70-130	3.19	30	
m,p-Xylenes	**35.2**	0.40	ug/L	40		88.0	70-130	3.91	30	
Surrogate: 4-Bromofluorobenzene	*52.6*		*ug/L*	*50*		*105*	*70-140*			
Surrogate: Dibromofluoromethane	*51.7*		*ug/L*	*50*		*103*	*70-140*			
Surrogate: Toluene-d8	*47.3*		*ug/L*	*50*		*94.6*	*70-140*			
Diesel Range Organics by GC/FID - Quality Control										
Batch B8C0202 - EPA 3510C										
Blank (B8C0202-BLK1)							Prepared & Analyzed: 03/02/18			
Diesel Range Organics as Diesel	<60	60	ug/L							
Surrogate: o-Terphenyl	*35.9*		*ug/L*	*40*		*89.6*	*50-150*			
LCS (B8C0202-BS1)							Prepared & Analyzed: 03/02/18			
Diesel Range Organics as Diesel	**718**	60	ug/L	800		89.7	75-125		30	
Surrogate: o-Terphenyl	*36.5*		*ug/L*	*40*		*91.4*	*50-150*			
LCS Dup (B8C0202-BSD1)							Prepared & Analyzed: 03/02/18			
Diesel Range Organics as Diesel	**841**	60	ug/L	800		105	75-125	15.8	30	
Surrogate: o-Terphenyl	*41.8*		*ug/L*	*40*		*105*	*50-150*			
Matrix Spike (B8C0202-MS1)				**Source: 8B26011-01**			Prepared & Analyzed: 03/02/18			
Diesel Range Organics as Diesel	**833**	60	ug/L	800	266	70.9	70-130		30	
Surrogate: o-Terphenyl	*35.2*		*ug/L*	*40*		*87.9*	*50-150*			
Matrix Spike Dup (B8C0202-MSD1)				**Source: 8B26011-01**			Prepared & Analyzed: 03/02/18			
Diesel Range Organics as Diesel	**868**	60	ug/L	800	266	75.3	70-130	4.14	30	
Surrogate: o-Terphenyl	*39.7*		*ug/L*	*40*		*99.4*	*50-150*			
Dissolved Metals by ICP Atomic Emission Spectroscopy - Quality Control										

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332481
Date Received: 02/26/18
Date Reported: 03/19/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dissolved Metals by ICP Atomic Emission Spectroscopy - Quality Control										
Batch B8C0206 - EPA 200.7										
Blank (B8C0206-BLK1)				Prepared & Analyzed: 03/02/18						
Copper	<0.0070	0.0070	mg/L							
LCS (B8C0206-BS1)				Prepared & Analyzed: 03/02/18						
Copper	**0.981**	0.0070	mg/L	1.0		98.1	80-120		20	
LCS Dup (B8C0206-BSD1)				Prepared & Analyzed: 03/02/18						
Copper	**0.995**	0.0070	mg/L	1.0		99.5	80-120	1.40	20	
Duplicate (B8C0206-DUP1)			**Source: 8B26015-01**	Prepared & Analyzed: 03/02/18						
Copper	**<0.0070**	0.0070	mg/L		<0.0070				30	
Matrix Spike (B8C0206-MS1)			**Source: 8B26016-06**	Prepared & Analyzed: 03/02/18						
Copper	**1.12**	0.0070	mg/L	1.0		112	75-125		20	
Matrix Spike Dup (B8C0206-MSD1)			**Source: 8B26016-06**	Prepared & Analyzed: 03/02/18						
Copper	**1.10**	0.0070	mg/L	1.0		110	75-125	0.901	20	
Total Metals by ICP Atomic Emission Spectroscopy - Quality Control										
Batch B8C0207 - EPA 200.7										
Blank (B8C0207-BLK1)				Prepared & Analyzed: 03/02/18						
Arsenic	<0.0060	0.0060	mg/L							
Copper	<0.0070	0.0070	mg/L							
LCS (B8C0207-BS1)				Prepared & Analyzed: 03/02/18						
Arsenic	**1.03**	0.0060	mg/L	1.0		103	80-120		20	
Copper	**0.981**	0.0070	mg/L	1.0		98.1	80-120		20	
LCS Dup (B8C0207-BSD1)				Prepared & Analyzed: 03/02/18						
Arsenic	**1.04**	0.0060	mg/L	1.0		104	80-120	1.07	20	
Copper	**0.995**	0.0070	mg/L	1.0		99.5	80-120	1.40	20	
Duplicate (B8C0207-DUP1)			**Source: 8B26015-01**	Prepared & Analyzed: 03/02/18						
Arsenic	**<0.0060**	0.0060	mg/L		<0.0070				30	
Copper	**<0.0070**	0.0070	mg/L		<0.0070				30	
Matrix Spike (B8C0207-MS1)			**Source: 8B26016-06**	Prepared & Analyzed: 03/02/18						
Arsenic	**1.00**	0.0060	mg/L	1.0		100	75-125		20	
Copper	**1.11**	0.0070	mg/L	1.0		111	75-125		20	
Matrix Spike Dup (B8C0207-MSD1)			**Source: 8B26016-06**	Prepared & Analyzed: 03/02/18						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332481
Date Received: 02/26/18
Date Reported: 03/19/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Metals by ICP Atomic Emission Spectroscopy - Quality Control										
Batch B8C0207 - EPA 200.7										
Matrix Spike Dup (B8C0207-MSD1) Continued					**Source: 8B26016-06**		Prepared & Analyzed: 03/02/18			
Arsenic	**1.01**	0.0060	mg/L	1.0		101	75-125	0.596	20	
Copper	**1.12**	0.0070	mg/L	1.0		112	75-125	0.897	20	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332481
Project No:	04-NDLA-013	**Date Received:**	02/26/18
Project Name:	DFSP Norwalk GWETS NPDES Quarterly	**Date Reported:**	03/19/18

Special Notes

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

[2] = **QM-07** : The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Viorel Vasile
Operations Manager

LABORATORY REPORT

Aquatic Testing Laboratories
"dedicated to providing quality aquatic toxicity testing"
4350 Transport Street, Unit 107
Ventura, CA 93003
(805) 650- 0546 FAX (805) 650-0756
CA ELAP Cert. No.: 1775

Date: February 28, 2018

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

Laboratory No.: A-18022704-001
Project No.: A5332481
Sample ID.: 8B26015-01

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

Date Sampled:	02/26/18
Date Received:	02/27/18
Temp. Received:	1.9°C
Chlorine (TRC):	0.0 mg/l
Date Tested:	02/27/18 to 02/28/18

Sample Analysis: The following analyses were performed on your sample:

Fathead Minnow Percent Survival Bioassay (EPA-821-R-02-012 Method 2000.0);

Attached are the test data generated from the analysis of your sample. All testing was conducted under the direct supervision of Joseph A. LeMay. Daily test readings were taken by Joseph A. LeMay (initials: JAL) and Jacob LeMay (initials: J). Testing ended after 24 hours per client request.

Result Summary:

Sample ID.	Results
8B26015-01	37.5% Survival (TUa > 1.0) at 24 hr.

Quality Control: Reviewed and approved by:

Joseph A. LeMay
Laboratory Director

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of the Laboratory's name for advertising or publicity purpose without authorization is prohibited.

FATHEAD MINNOW PERCENT SURVIVAL TEST
EPA Method 2000.0

Aquatic Testing Laboratories

Lab No.: A-18022704-001
Client/ID: American Analytics 8B26015-01 **Start Date: 02/27/2018**

TEST SUMMARY

Species: *Pimephales promelas*.
Age: 11 (1-14) days.
Regulations: NPDES.
Test solution volume: 250 ml.
Feeding: prior to renewal at 48 hrs.
Number of replicates: 4.
Control water: Moderately hard reconstituted water.
Photoperiod: 16/8 hrs light/dark.

Source: In-laboratory Culture.
Test type: Static-Renewal.
Test Protocol: EPA-821-R-02-012.
Endpoints: Percent Survival at 96 hrs.
Test chamber: 600 ml beakers.
Temperature: 20 +/- 1°C.
Number of fish per chamber: 10.
QA/QC No.: RT-180208.

TEST DATA

		°C	DO	pH	# Dead				Analyst & Time of Readings
					A	B	C	D	
INITIAL	Control	20.0	8.6	7.8	0	0	0	0	J 2-27-18 1200
	100%	20.1	8.2	7.1	0	0	0	0	
24 Hr	Control	19.6	8.5	7.9	0	0	0	0	J 2-28-18 1200
	100%	19.4	7.9	8.3	8	5	3	9	
48 Hr	Control								
	100%								
Renewal	Control								
	100%								
72 Hr	Control								
	100%								
96 Hr	Control								
	100%								

Comments:
Sample as received: Chlorine: 0 mg/l; Temp: 1.9 °C; DO: 5.0 mg/l; pH: 7.1;
Alkalinity: 537 mg/l; Hardness: 753 mg/l; Conductivity: 2123 umho; NH_3-N: 2.3 mg/l.
Sample aerated moderately (approx. 500 ml/min) to raise or lower DO? Yes / No.
Control: Alkalinity: 61 mg/l; Hardness: 91 mg/l.; Conductivity: 301 umho.
Test solution aerated (not to exceed 100 bubbles/min) to maintain DO >4.0 mg/l? Yes / (No)
Original sample used for renewal kept at 0-6°C with minimal headspace.
Dissolved Oxygen (DO) readings in mg/l O_2.

RESULTS

Percent Survival In: Control: 100 % 100% Sample: 37.5 % at 24 hr

Aquatic Testing Labs

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

A.A. COC No.: 70050770

Page 1 of 1

Client: AMERICAN ANALYTICS	**Project Name / No.:** AS332481/8826015	**Sampler's Name:**	
Project Manager: Vinod Vaidle	**Site Address:**	**Sampler's Signature:**	
Phone:	**City:**	**P.O. No.:** 30118	
Fax:	**State & Zip:**	**Quote No.:**	

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Acute Toxicity	Special Instructions
						Please enter the TAT Turnaround Codes ** below	
8826015-01		2/26/18	0925	Water	1	X	96hr % Survival Fathead Minnow EPA-821-R-02-012
							Thank You

For Laboratory Use	Relinquished by	Date	Time	Received by
		2-27-18	8:00	
	Relinquished by	Date	Time	Received by
		2-27-18	10:50	
A.A. Project No.:	Relinquished by	Date	Time	Received by

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

Aquatic
Testing
Laboratories

REFERENCE TOXICANT DATA

FATHEAD MINNOW ACUTE
Reference Toxicant - SDS

Aquatic Testing Laboratories

QA/QC Batch No.: RT-180208

TEST SUMMARY

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

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

TEST DATA

	INITIAL			24 Hr					48 Hr				
Date/Time:	2-8-18 1330			2-9-18 1300					2-10-18 1330				
Analyst:	[illegible]			[illegible]					[illegible]				
	°C	DO	pH	°C	DO	pH	# Dead A	# Dead B	°C	DO	pH	# Dead A	# Dead B
Control	20.1	8.6	7.8	20.1	8.5	7.7	0	0	20.0	8.0	7.6	0	0
1.0 mg/l	20.1	8.6	7.7	20.1	8.4	7.7	0	0	20.0	8.0	7.6	0	0
2.0 mg/l	20.1	8.5	7.8	20.0	8.5	7.8	0	0	20.0	7.9	7.6	0	0
4.0 mg/l	20.0	8.6	7.8	20.0	8.4	7.7	0	0	20.0	7.8	7.7	0	0
8.0 mg/l	20.0	8.6	7.8	20.0	8.2	7.8	10	9	20.0	7.9	7.8	—	1
16.0 mg/l	20.1	8.5	7.7	20.0	7.2	7.7	10	10	—	—	—	—	—

	RENEWAL			72 Hr					96 Hr				
Date/Time:	2-10-18 1330			2-11-18 1300					2-12-18 1330				
Analyst:	[illegible]			[illegible]					[illegible]				
	°C	DO	pH	°C	DO	pH	# Dead A	# Dead B	°C	DO	pH	# Dead A	# Dead B
Control	20.1	8.5	7.7	20.0	8.2	7.8	0	0	20.0	7.7	7.9	0	0
1.0 mg/l	20.1	8.6	7.6	20.0	8.1	7.7	0	0	20.0	7.8	8.0	0	0
2.0 mg/l	20.1	8.5	7.6	20.0	8.2	7.7	0	0	20.0	7.8	8.1	0	0
4.0 mg/l	20.1	8.4	7.8	19.9	8.0	7.8	0	0	19.9	7.9	8.1	0	0
8.0 mg/l	—	—	—	—	—	—	—	—	—	—	—	—	—
16.0 mg/l	—	—	—	—	—	—	—	—	—	—	—	—	—

Comments: Control: Alkalinity: 56 mg/l; Hardness: 89 mg/l; Conductivity: 301 umho.
SDS: Alkalinity: 57 mg/l; Hardness: 88 mg/l; Conductivity: 307 umho.
Dissolved Oxygen (DO) readings in mg/l O_2.

Concentration-response relationship acceptable? (see attached computer analysis):
(Yes) (response curve normal)
No (dose interrupted indicated or non-normal)

Acute Fish Test-96 Hr Survival

Start Date:	2/8/2016 13:30	Test ID:	RT180208f	Sample ID:	REF-Ref Toxicant
End Date:	2/12/2018 13:30	Lab ID:	CAATL-Aquatic Testing Labs	Sample Type:	SDS-Sodium dodecyl sulfate
Sample Date:	2/8/2018	Protocol:	EPAAW02-EPA/821/R-02-01	Test Species:	PP-Pimephales promelas
Comments:					

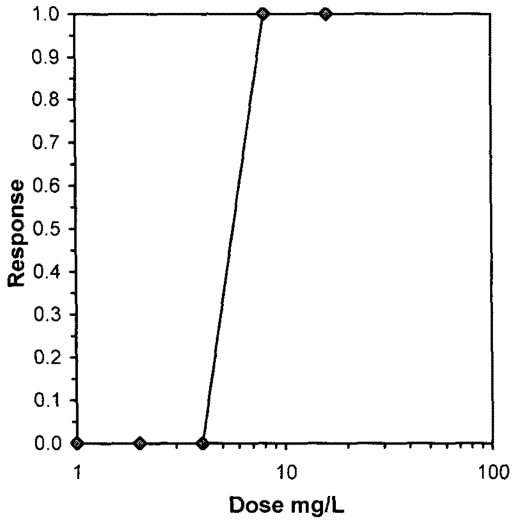
Conc-mg/L	1	2
D-Control	1.0000	1.0000
1	1.0000	1.0000
2	1.0000	1.0000
4	1.0000	1.0000
8	0.0000	0.0000
16	0.0000	0.0000

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

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

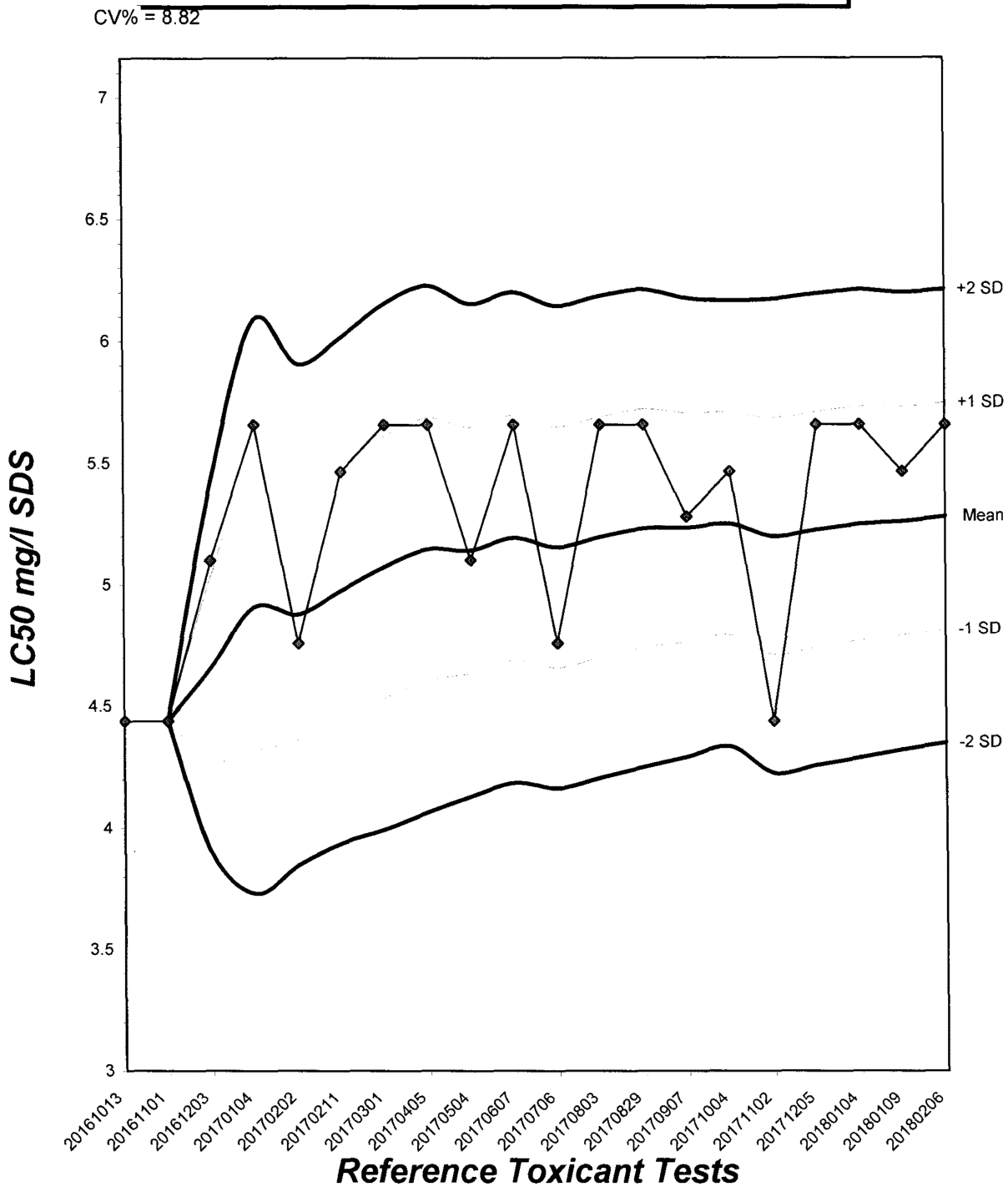
Graphical Method

Trim Level	EC50
0.0%	5.6569
	5.6569



Reviewed by:

Fathead Minnow Acute Laboratory Control Chart



Aquatic Testing Laboratories

TEST ORGANISM LOG

FATHEAD MINNOW - LARVAL
(*Pimephales promelas*)

QA/QC BATCH NO.: RT-180208

SOURCE: In-Lab Culture

DATE HATCHED: 1-25-18

APPROXIMATE QUANTITY: 400

GENERAL APPEARANCE: good

MORTALITIES 48 HOURS PRIOR TO TO USE IN TESTING: 0

DATE USED IN LAB: 2 / 8 / 18

AVERAGE FISH WEIGHT: 0.004 gm

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

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

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

200 ml test solution volume = 0.013 gm mean fish weight limit @ 20°C; 0.008 @ 25°C
250 ml test solution volume = 0.016 gm mean fish weight limit @ 20°C; 0.010 @ 25°C

ACCLIMATION WATER QUALITY:

Temp.: 20.1 °C pH: 7.8 Ammonia: 0 mg/l NH_3-N

DO: 8.6 mg/l Alkalinity: 56 mg/l Hardness: 89 mg/l

READINGS RECORDED BY: JL DATE: 2-9-18

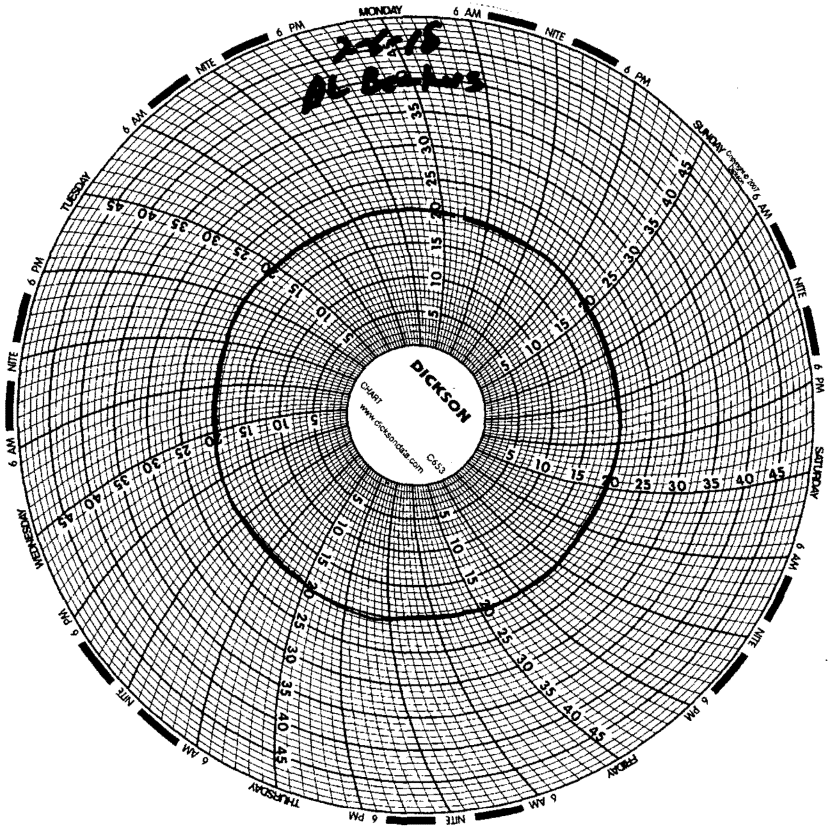
Aquatic Testing Laboratories

Test Temperature Chart

Test No: RT-180208

Date Tested: 02/08/18 to 02/12/18

Acceptable Range: 20 +/- 1°C



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

Ordered By

American Analytics
9765 Eton Avenue
Chatsworth, CA 91311-4306

Number of Pages 7
Date Received 02/27/2018
Date Reported 03/06/2018

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

Job Number	Order Date	Client
91519	02/27/2018	AA

Project ID: A5332481/8B26015
Project Name: PO# 30117

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: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

ACTL

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

91519

A.A. COC No.: 70050769

Page 1 of 1

Client: AMERICAN ANALYTICS | Project Name / No.: A533248I / 8B26015 | Sampler's Name:

Project Manager: Vishal Vaidle | Site Address: | Sampler's Signature:

Phone: | City: | P.O. No.: 30117

Fax: | State & Zip: | Quote No.:

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	2DAY	MBAS	Tot Phenols								Special Instructions
						Please enter the TAT Turnaround Codes ** below										
8B26015-01	91519-01	2/26/18	0925	Water	2	X	X	X								by SM 5210B
Grab																SM 5540C
																EPA 420.1
																Normal TAT
																Thank you

For Laboratory Use	Relinquished by	Date	Time	Received by
		2-27-18	8am	
	Relinquished by	02/27/18	0900	Received by Jean Claude
A.A. Project No.:	Relinquished by	Date	Time	Received by

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

American Environmental Testing Laboratory Inc.
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Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

COOLER RECEIPT FORM

Client Name: American Analytics
Project Name:
AETL Job Number: 91517, 91518 & 91519
Date Received: 02/27/18 Received by: Jean Claude
Carrier: ☐ AETL Courier ☒ Client ☐ GSO ☐ FedEx ☐ UPS
☐ Others:

Samples were received in: ☒ Cooler (1) ☐ Other (Specify):
Inside temperature of shipping container No 1: 2-7°C, No 2: ____, No 3: ____
Type of sample containers: ☐ VOA, ☒ Glass bottles, ☐ Wide mouth jars, ☒ HDPE bottles, ☐ Metal sleeves, ☐ Others (Specify):
How are samples preserved: ☐ None, ☐ Ice , ☒ Blue Ice, ☐ Dry Ice
None, _ HNO_3, X NaOH, _ ZnOAc, _ HCl, _ $Na_2S_2O_3$, _ MeOH
X Other (Specify): H_2SO_4

	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	X		
2. Are the Sample labels legible?	X		
3. Do samples match the COC?	X		
4. Are the required analyses clear?	X		
5. Is there enough samples for required analysis?	X		
6. Are samples sealed with evidence tape?	NA		
7. Are sample containers in good condition?	X		
8. Are samples preserved?	X		
9. Are samples preserved properly for the intended analysis?	X		
10. Are the VOAs free of headspace?	NA		
11. Are the jars free of headspace?	↓		

Explain all "No" answers for above questions:

American Environmental Testing Laboratory Inc.
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Ordered By

American Analytics **9765 Eton Avenue** **Chatsworth, CA 91311-4306**	**Project ID: A5332481/8B26015** **Date Received 02/27/2018** **Date Reported 03/06/2018**

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

Job Number	Order Date	Client
91519	02/27/2018	AA

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 1 samples with the following specification on 02/27/2018.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
91519.01	8B26015-01	02/26/2018	Aqueous	2

Method ^ Submethod	Req Date	Priority	TAT	Units
420.1	03/06/2018	2	Normal	mg/L
SM-5540C	03/06/2018	2	Normal	mg/L
SM5210B	03/06/2018	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: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
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ANALYTICAL RESULTS

Ordered By

American Analytics
9765 Eton Avenue
Chatsworth, CA 91311-4306

Telephone: (818)998-5547
Attn: Viorel Vasile
Page: **2**

Project ID: **A5332481/8B26015**
Project Name: **PO# 30117**

AETL Job Number	Submitted	Client
91519	02/27/2018	AA

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

QC Batch No: PH022818-1

Our Lab I.D.			Method Blank	91519.01			
Client Sample I.D.				8B26015-01			
Date Sampled				**02/26/2018**			
Date Prepared			**02/28/2018**	**02/28/2018**			
Preparation Method			**420.1**	**420.1**			
Date Analyzed			**02/28/2018**	**02/28/2018**			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	MDL	PQL	**Results**	**Results**			
Phenolic compounds as phenol	**0.15**	**0.30**	**ND**	**ND**			

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ANALYTICAL RESULTS

Ordered By

American Analytics
9765 Eton Avenue
Chatsworth, CA 91311-4306

Telephone: (818)998-5547
Attn: Viorel Vasile
Page: **3**

Project ID: **A5332481/8B26015**
Project Name: **PO# 30117**

AETL Job Number	Submitted	Client
91519	02/27/2018	AA

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

QC Batch No: MB022718-1

Our Lab I.D.			Method Blank	**91519.01**			
Client Sample I.D.				8B26015-01			
Date Sampled				**02/26/2018**			
Date Prepared			**02/27/2018**	**02/27/2018**			
Preparation Method			**SM5540C**	**SM5540C**			
Date Analyzed			**02/27/2018**	**02/27/2018**			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	MDL	PQL	**Results**	**Results**			
Surfactants (MBAS)	**0.05**	**0.05**	**ND**	**ND**			

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ANALYTICAL RESULTS

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Telephone: (818)998-5547
Attn: Viorel Vasile
Page: **4**

Project ID: **A5332481/8B26015**
Project Name: **PO# 30117**

AETL Job Number	Submitted	Client
91519	02/27/2018	AA

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

QC Batch No: BO022818-1

Our Lab I.D.			Method Blank	**91519.01**			
Client Sample I.D.				8B26015-01			
Date Sampled				**02/26/2018**			
Date Prepared			**02/28/2018**	**02/28/2018**			
Preparation Method			**SM5210B**	**SM5210B**			
Date Analyzed			**03/05/2018**	**03/05/2018**			
Matrix			Aqueous	Aqueous			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	MDL	PQL	**Results**	**Results**			
Biochemical Oxygen Demand (BOD)	**5.0**	**5.0**	**ND**	**ND**			

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QUALITY CONTROL RESULTS

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Page: **5**

Project ID: **A5332481/8B26015**
Project Name: **PO# 30117**

AETL Job Number	Submitted	Client
91519	02/27/2018	AA

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

QC Batch No: PH022818-1; Dup or Spiked Sample: 91519.01; LCS: Clean Water; QC Prepared: 02/28/2018; QC Analyzed: 02/28/2018; 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**	**0.436**	**87.2**	**0.500**	**0.442**	**88.4**	**1.4**	**80-120**	**<15**

QC Batch No: PH022818-1; Dup or Spiked Sample: 91519.01; LCS: Clean Water; QC Prepared: 02/28/2018; QC Analyzed: 02/28/2018; 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**	**0.426**	**85.2**	**0.500**	**0.415**	**83.0**	**2.6**	**80-120**	**<20**	

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QUALITY CONTROL RESULTS

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Page: **6**

Project ID: **A5332481/8B26015**
Project Name: **PO# 30117**

AETL Job Number	Submitted	Client
91519	02/27/2018	AA

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

QC Batch No: MB022718-1; Dup or Spiked Sample: 91519.01; LCS: Clean Water; LCS Prepared: 02/27/2018; LCS Analyzed: 02/27/2018; 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**	**0.415**	**83.0**	**0.500**	**0.428**	**85.6**	**3.1**	**80-120**	**<15**	

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QUALITY CONTROL RESULTS

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Page: **7**

Project ID: **A5332481/8B26015**
Project Name: **PO# 30117**

AETL Job Number	Submitted	Client
91519	02/27/2018	AA

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

QC Batch No: BO022818-1; Dup or Spiked Sample: 91518.01; LCS: Clean Water; LCS Prepared: 02/28/2018; LCS Analyzed: 03/05/2018; Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit						
Biochemical Oxygen Demand (BOD)	**ND**	**ND**	**<1**	**<15**						

QC Batch No: BO022818-1; Dup or Spiked Sample: 91518.01; LCS: Clean Water; LCS Prepared: 02/28/2018; LCS Analyzed: 03/05/2018; 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	
Biochemical Oxygen Demand (BOD)	**198**	**172**	**86.7**	**198**	**159**	**80.3**	**7.7**	**80-120**	**<15**	

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Data Qualifiers and Descriptors

Data Qualifier:

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

Definition:

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

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Data Qualifiers and Descriptors

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

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14758

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

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	TPHd 8015M	TPHg/MTBE/TBA 8260B	Arsenic 200.7	TDS, TSS, Turbidity	BOD5 20 deg C	Oil & Grease	Settleable Solids	Sulfides, Phenols	Residual Chlorine, Copper	Methylene Blue Active Substances	Fish Toxicity	Total Copper 6010B	Dissolved Copper 6010B	Special Instructions
Effluent	8B26015-01	2-26-18	0925	Water	16	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Report J. Flags
Effluent-Dup	-02	2-26-18	0926	Water	4	✓	✓												

PRIORITY ✓ Rush 2/26/18 Hrs 1545 SH

AS332481/8B26015

Relinquished by	Date	Time	Received by
Glenn Androsko	2-26-18	13:20	[signature]
[signature]	2/26/18	1435	[signature]
			[signature]

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

AMERICAN ANALYTICS

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California 91311
Tel: (818) 998-5547
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April 03, 2018

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5332499 / 8C20018

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 03/20/18 17:18 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332499
Date Received: 03/20/18
Date Reported: 04/03/18

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B TPHGASOLINEBTEXOXY					
Effluent	8C20018-01	Water	5	03/20/18 08:08	03/20/18 17:18
Arsenic Total EPA 200.7					
Effluent	8C20018-01	Water	5	03/20/18 08:08	03/20/18 17:18
Diesel Range Organics 8015M					
Effluent	8C20018-01	Water	5	03/20/18 08:08	03/20/18 17:18

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332499
Project No:	04-NDLA-013	**Date Received:**	03/20/18
Project Name:	DFSP Norwalk GWETS NPDES Monthly	**Date Reported:**	04/03/18
Method:	TPHG/BTEX/Oxygenates by GC/MS	**Units:**	ug/L

Date Sampled:	03/20/18		
Date Prepared:	03/27/18		
Date Analyzed:	03/27/18		
AA ID No:	8C20018-01		
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		**%REC Limits**
4-Bromofluorobenzene	138%	70-140
Dibromofluoromethane	114%	70-140
Toluene-d8	99%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332499
Project No:	04-NDLA-013	**Date Received:**	03/20/18
Project Name:	DFSP Norwalk GWETS NPDES Monthly	**Date Reported:**	04/03/18
Method:	Diesel Range Organics by GC/FID	**Units:**	ug/L

Date Sampled:	03/20/18		
Date Prepared:	03/26/18		
Date Analyzed:	03/26/18		
AA ID No:	8C20018-01		
Client ID No:	Effluent		
Matrix:	Water		
Dilution Factor:	1	MDL	MRL
Diesel Range Organics 8015M (EPA 8015M)			
Diesel Range Organics as Diesel	<60	60	100

Surrogates		**%REC Limits**
o-Terphenyl	56%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GWETS NPDES Monthly
Method: Total Metals by ICP Atomic Emission Spectroscopy

AA Project No: A5332499
Date Received: 03/20/18
Date Reported: 04/03/18

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
Arsenic Total EPA 200.7 (EPA 200.7)									
8C20018-01	Effluent	03/20/18	03/27/18	03/27/18	1	<0.0060	mg/L	0.006	0.007

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332499
Date Received: 03/20/18
Date Reported: 04/03/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
TPHG/BTEX/Oxygenates by GC/MS - Quality Control										
Batch B8C2727 - EPA 5030B										
Blank (B8C2727-BLK1)				Prepared & Analyzed: 03/27/18						
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	*63.3*		*ug/L*	*50*		*127*	*70-140*			
Surrogate: Dibromofluoromethane	*46.9*		*ug/L*	*50*		*93.8*	*70-140*			
Surrogate: Toluene-d8	*55.7*		*ug/L*	*50*		*111*	*70-140*			
LCS (B8C2727-BS1)				Prepared & Analyzed: 03/27/18						
tert-Amyl Methyl Ether (TAME)	**16.7**	0.30	ug/L	20		83.6	70-130			
Benzene	**17.7**	0.20	ug/L	20		88.4	75-125			
tert-Butyl alcohol (TBA)	**88.7**	7.0	ug/L	100		88.7	70-130			
Diisopropyl ether (DIPE)	**19.8**	0.50	ug/L	20		98.9	70-130			
Ethylbenzene	**21.4**	0.20	ug/L	20		107	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**19.1**	0.40	ug/L	20		95.4	70-130			
Gasoline Range Organics (GRO)	**488**	40	ug/L	500		97.6	70-130			
Methyl-tert-Butyl Ether (MTBE)	**33.9**	0.40	ug/L	40		84.6	70-135			
Toluene	**21.7**	0.30	ug/L	20		109	75-125			
o-Xylene	**20.6**	0.30	ug/L	20		103	75-125			
m,p-Xylenes	**46.4**	0.40	ug/L	40		116	70-130			
Surrogate: 4-Bromofluorobenzene	*54.7*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Dibromofluoromethane	*46.7*		*ug/L*	*50*		*93.4*	*70-140*			
Surrogate: Toluene-d8	*53.1*		*ug/L*	*50*		*106*	*70-140*			
Matrix Spike (B8C2727-MS1)				**Source: 8C16004-01** Prepared & Analyzed: 03/27/18						

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332499
Date Received: 03/20/18
Date Reported: 04/03/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
TPHG/BTEX/Oxygenates by GC/MS - Quality Control										
Batch B8C2727 - EPA 5030B										
Matrix Spike (B8C2727-MS1) Continued Source: 8C16004-01 Prepared & Analyzed: 03/27/18										
tert-Amyl Methyl Ether (TAME)	**21.0**	0.30	ug/L	20		105	70-130			
Benzene	**17.8**	0.20	ug/L	20		88.8	70-130			
tert-Butyl alcohol (TBA)	**102**	7.0	ug/L	100		102	70-130			
Diisopropyl ether (DIPE)	**22.1**	0.50	ug/L	20		111	70-130			
Ethylbenzene	**18.8**	0.20	ug/L	20		93.8	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**22.9**	0.40	ug/L	20		114	70-130			
Methyl-tert-Butyl Ether (MTBE)	**43.8**	0.40	ug/L	40		110	70-130			
Toluene	**19.1**	0.30	ug/L	20		95.7	70-130			
o-Xylene	**19.7**	0.30	ug/L	20		98.7	70-130			
m,p-Xylenes	**42.2**	0.40	ug/L	40		106	70-130			
Surrogate: 4-Bromofluorobenzene	*54.3*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Dibromofluoromethane	*53.0*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Toluene-d8	*50.4*		*ug/L*	*50*		*101*	*70-140*			
Matrix Spike Dup (B8C2727-MSD1) **Source: 8C16004-01** Prepared & Analyzed: 03/27/18										
tert-Amyl Methyl Ether (TAME)	**20.3**	0.30	ug/L	20		101	70-130	3.58	30	
Benzene	**18.1**	0.20	ug/L	20		90.4	70-130	1.79	30	
tert-Butyl alcohol (TBA)	**93.5**	7.0	ug/L	100		93.5	70-130	9.19	30	
Diisopropyl ether (DIPE)	**22.3**	0.50	ug/L	20		111	70-130	0.766	30	
Ethylbenzene	**18.5**	0.20	ug/L	20		92.7	70-130	1.23	30	
Ethyl-tert-Butyl Ether (ETBE)	**22.1**	0.40	ug/L	20		110	70-130	3.43	30	
Methyl-tert-Butyl Ether (MTBE)	**41.6**	0.40	ug/L	40		104	70-130	5.15	30	
Toluene	**19.2**	0.30	ug/L	20		95.8	70-130	0.157	30	
o-Xylene	**19.0**	0.30	ug/L	20		95.2	70-130	3.56	30	
m,p-Xylenes	**40.5**	0.40	ug/L	40		101	70-130	4.18	30	
Surrogate: 4-Bromofluorobenzene	*53.9*		*ug/L*	*50*		*108*	*70-140*			
Surrogate: Dibromofluoromethane	*54.4*		*ug/L*	*50*		*109*	*70-140*			
Surrogate: Toluene-d8	*51.9*		*ug/L*	*50*		*104*	*70-140*			
Diesel Range Organics by GC/FID - Quality Control										
Batch B8C2614 - EPA 3510C										
Blank (B8C2614-BLK1) Prepared & Analyzed: 03/26/18										

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332499
Date Received: 03/20/18
Date Reported: 04/03/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Diesel Range Organics by GC/FID - Quality Control										
Batch B8C2614 - EPA 3510C										
Blank (B8C2614-BLK1) Continued				Prepared & Analyzed: 03/26/18						
Diesel Range Organics as Diesel	<60	60	ug/L							
Surrogate: o-Terphenyl	*27.4*		*ug/L*	*40*		*68.4*	*50-150*			
LCS (B8C2614-BS1)				Prepared & Analyzed: 03/26/18						
Diesel Range Organics as Diesel	**724**	60	ug/L	800		90.5	75-125		30	
Surrogate: o-Terphenyl	*40.0*		*ug/L*	*40*		*99.9*	*50-150*			
LCS Dup (B8C2614-BSD1)				Prepared & Analyzed: 03/26/18						
Diesel Range Organics as Diesel	**641**	60	ug/L	800		80.1	75-125	12.1	30	
Surrogate: o-Terphenyl	*34.7*		*ug/L*	*40*		*86.7*	*50-150*			
Total Metals by ICP Atomic Emission Spectroscopy - Quality Control										
Batch B8C2711 - EPA 3010A										
Blank (B8C2711-BLK1)				Prepared & Analyzed: 03/27/18						
Arsenic	<0.0060	0.0060	mg/L							
LCS (B8C2711-BS1)				Prepared & Analyzed: 03/27/18						
Arsenic	**0.997**	0.0060	mg/L	1.0		99.7	80-120		20	
LCS Dup (B8C2711-BSD1)				Prepared & Analyzed: 03/27/18						
Arsenic	**1.00**	0.0060	mg/L	1.0		100	80-120	0.220	20	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332499
Project No:	04-NDLA-013	**Date Received:**	03/20/18
Project Name:	DFSP Norwalk GWETS NPDES Monthly	**Date Reported:**	04/03/18

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

14960

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

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

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	TPHd 8015M	TPHg/MTBE/TBA 8260B	Arsenic 200.7	Special Instructions
						Please enter the TAT Turnaround Codes ** below			
Effluent	8C20018-01	3-20-18	0808	Water	5	✓	✓	✓	Report J-Flags

REVIEWED
Date 3/20/18 Time 1745
TAT N Days Sign:

A53324994/ 8C20018

Relinquished by	Date	Time	Received by
Glenn Andrasko	3-20-18	1245	
Relinquished by	Date	Time	Received by
	3-20-18	17:18	
Relinquished by	Date	Time	Received by

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

AMERICAN ANALYTICS

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

March 28, 2018

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk / 04-NDLA-007

A5332496 / 8C20015

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 03/20/18 13:17 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY REPORT

Aquatic Testing Laboratories
"dedicated to providing quality aquatic toxicity testing"
4350 Transport Street, Unit 107
Ventura, CA 93003
(805) 650- 0546 FAX (805) 650-0756
CA ELAP Cert. No.: 1775

Date: March 26, 2018

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

Laboratory No.: A-18032106-001
Project No.: A5332496
Sample ID.: 8C20015-01

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

Date Sampled:	03/20/18
Date Received:	03/21/18
Temp. Received:	5.7°C
Chlorine (TRC):	0.0 mg/l
Date Tested:	03/21/18 to 03/25/18

Sample Analysis: The following analyses were performed on your sample:

Fathead Minnow 96hr Percent Survival Bioassay (EPA-821-R-02-012 Method 2000.0);

Attached are the test data generated from the analysis of your sample. All testing was conducted under the direct supervision of Joseph A. LeMay. Daily test readings were taken by Joseph A. LeMay (initials: JAL) and Jacob LeMay (initials: J).

Result Summary:

Sample ID.	Results
8C20015-01	100% Survival (TUa = 0.0)

Quality Control: Reviewed and approved by:

Joseph A. LeMay
Laboratory Director

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of the Laboratory's name for advertising or publicity purpose without authorization is prohibited.

FATHEAD MINNOW PERCENT SURVIVAL TEST
EPA Method 2000.0

Aquatic Testing Laboratories

Lab No.: A-18032106-001
Client/ID: American Analytics 8C20015-01 **Start Date: 03/21/2018**

TEST SUMMARY

Species: *Pimephales promelas*.
Age: 12 (1-14) days.
Regulations: NPDES.
Test solution volume: 250 ml.
Feeding: prior to renewal at 48 hrs.
Number of replicates: 4.
Control water: Moderately hard reconstituted water.
Photoperiod: 16/8 hrs light/dark.

Source: In-laboratory Culture.
Test type: Static-Renewal.
Test Protocol: EPA-821-R-02-012.
Endpoints: Percent Survival at 96 hrs.
Test chamber: 600 ml beakers.
Temperature: 20 +/- 1°C.
Number of fish per chamber: 10.
QA/QC No.: RT-180301.

TEST DATA

		°C	DO	pH	# Dead				Analyst & Time of Readings
					A	B	C	D	
INITIAL	Control	20.4	8.7	8.0	0	0	0	0	2 3-21-18
	100%	20.5	7.7	7.6	0	0	0	0	14w
24 Hr	Control	20.1	8.4	7.9	0	0	0	0	2 3-22-18
	100%	20.0	7.8	7.9	0	0	0	0	14w
48 Hr	Control	20.1	7.9	8.1	0	0	0	0	2 3-23-18
	100%	20.1	7.9	8.0	0	0	0	0	14w
Renewal	Control	20.0	8.2	8.0	0	0	0	0	2
	100%	20.1	8.3	8.2	0	0	0	0	14w 3-23-18
72 Hr	Control	20.0	8.0	7.9	0	0	0	0	2 3-24-18
	100%	19.9	8.1	8.1	0	0	0	0	1330
96 Hr	Control	20.0	8.1	7.9	0	0	0	0	2 3-25-18
	100%	19.8	8.0	8.0	0	0	0	0	14w

Comments:
Sample as received: Chlorine: 0 mg/l; Temp: 5.7 °C; DO: 5.8 mg/l; pH: 7.2 ;
Alkalinity: 496 mg/l; Hardness: 747 mg/l; Conductivity: 2204 umho; NH_3-N: 1.6 mg/l.
Sample aerated moderately (approx. 500 ml/min) to raise or lower DO? (Yes) / No.
Control: Alkalinity: 58 mg/l; Hardness: 87 mg/l.; Conductivity: 307 umho.
Test solution aerated (not to exceed 100 bubbles/min) to maintain DO >4.0 mg/l? Yes / (No).
Original sample used for renewal kept at 0-6°C with minimal headspace.
Dissolved Oxygen (DO) readings in mg/l O_2.

RESULTS

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

Aquatic Testing Labs

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

A.A. COC No.: 70050986

Page 1 of 1

Client: AMERICAN ANALYTICS	**Project Name / No.:** AS332496/8C20015	**Sampler's Name:**	
Project Manager: Viorel Vasile	**Site Address:**	**Sampler's Signature:**	
Phone:	**City:**	**P.O. No.:** 30127	
Fax:	**State & Zip:**	**Quote No.:**	

TAT Turnaround Codes **

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

ANALYSIS REQUESTED (Test Name)

Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	Acute Toxicity	Special Instructions
8C20015-01		3/20/18	0808	Water	1	X	96hr %Survival Fathead Minnow EPA-821-R-02-012
							Thank you

For Laboratory Use

A.A. Project No.:

	Date	Time	
Relinquished by	3-21-18	12:00	Received by
Relinquished by	3-21-18	1300	Received by
Relinquished by	Date	Time	Received by

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

Aquatic
Testing
Laboratories

REFERENCE TOXICANT DATA

FATHEAD MINNOW ACUTE
Reference Toxicant - SDS

Aquatic Testing Laboratories

QA/QC Batch No.: RT-180301

TEST SUMMARY

Species: *Pimephales promelas.*
Age: 9 days old.
Regulations: NPDES.
Test chamber volume: 250 ml.
Feeding: Prior to renewal at 48 hrs.
Temperature: 20 +/- 1°C.
Number of replicates: 2.
Dilution water: MHSF.

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

TEST DATA

	INITIAL			24 Hr					48 Hr				
Date/Time:	3-1-18 1200			3-2-18 1130					3-3-18 1115				
Analyst:	J			J					J				
	°C	DO	pH	°C	DO	pH	# Dead A	# Dead B	°C	DO	pH	# Dead A	# Dead B
Control	20.0	8.6	8.1	20.0	8.3	7.9	0	0	20.0	8.2	8.0	0	0
1.0 mg/l	19.9	8.5	8.1	19.9	8.2	7.9	0	0	20.1	8.2	8.0	0	0
2.0 mg/l	19.8	8.6	8.0	19.8	8.2	7.8	0	0	19.8	8.1	8.0	0	0
4.0 mg/l	19.9	8.6	8.1	19.8	7.9	7.8	0	0	19.8	8.2	8.0	0	0
8.0 mg/l	19.8	8.5	8.1	19.8	7.9	7.9	10	10	–	–	–	–	–
16.0 mg/l	19.7	8.6	8.0	19.8	7.8	7.9	10	10	–	–	–	–	–

	RENEWAL			72 Hr					96 Hr				
Date/Time:	3-3-18 1115			3-4-18 1100					3-5-18 1200				
Analyst:	J			J					JM				
	°C	DO	pH	°C	DO	pH	# Dead A	# Dead B	°C	DO	pH	# Dead A	# Dead B
Control	20.1	8.4	8.0	19.8	8.3	8.0	0	0	19.6	8.3	8.0	0	0
1.0 mg/l	20.0	8.6	8.0	19.6	8.2	7.9	0	0	19.6	8.2	7.9	0	0
2.0 mg/l	20.0	8.5	8.0	19.6	8.4	7.9	0	0	19.5	8.4	8.0	0	0
4.0 mg/l	20.1	8.6	8.0	19.5	8.3	7.9	6	0	19.5	8.4	8.0	2	0
8.0 mg/l	–	–	–	–	–	–	–	–	–	–	–	–	–
16.0 mg/l	–	–	–	–	–	–	–	–	–	–	–	–	–

Comments: Control: Alkalinity: 59 mg/l; Hardness: 88 mg/l; Conductivity: 306 umho.
SDS: Alkalinity: 60 mg/l; Hardness: 87 mg/l; Conductivity: 310 umho.
Dissolved Oxygen (DO) readings in mg/l O_2.

Concentration-response relationship acceptable? (see attached computer analysis):
(Yes) (response curve normal)
No (dose interrupted indicated or non-normal)

Acute Fish Test-96 Hr Survival

Start Date:	3/1/2018 12:00	Test ID:	RT180301f	Sample ID:	REF-Ref Toxicant
End Date:	3/5/2018 12:00	Lab ID:	CAATL-Aquatic Testing Labs	Sample Type:	SDS-Sodium dodecyl sulfate
Sample Date:	3/1/2018	Protocol:	EPAAW02-EPA/821/R-02-01	Test Species:	PP-Pimephales promelas
Comments:					

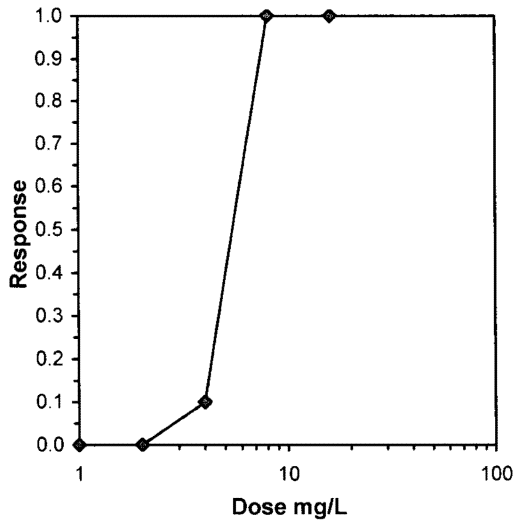
Conc-mg/L	1	2
D-Control	1.0000	1.0000
1	1.0000	1.0000
2	1.0000	1.0000
4	0.8000	1.0000
8	0.0000	0.0000
16	0.0000	0.0000

			Transform: Arcsin Square Root					Number	Total
Conc-mg/L	Mean	N-Mean	Mean	Min	Max	CV%	N	Resp	Number
D-Control	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	2	0	20
1	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	2	0	20
2	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	2	0	20
4	0.9000	0.9000	1.2596	1.1071	1.4120	17.115	2	2	20
8	0.0000	0.0000	0.1588	0.1588	0.1588	0.000	2	20	20
16	0.0000	0.0000	0.1588	0.1588	0.1588	0.000	2	20	20

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

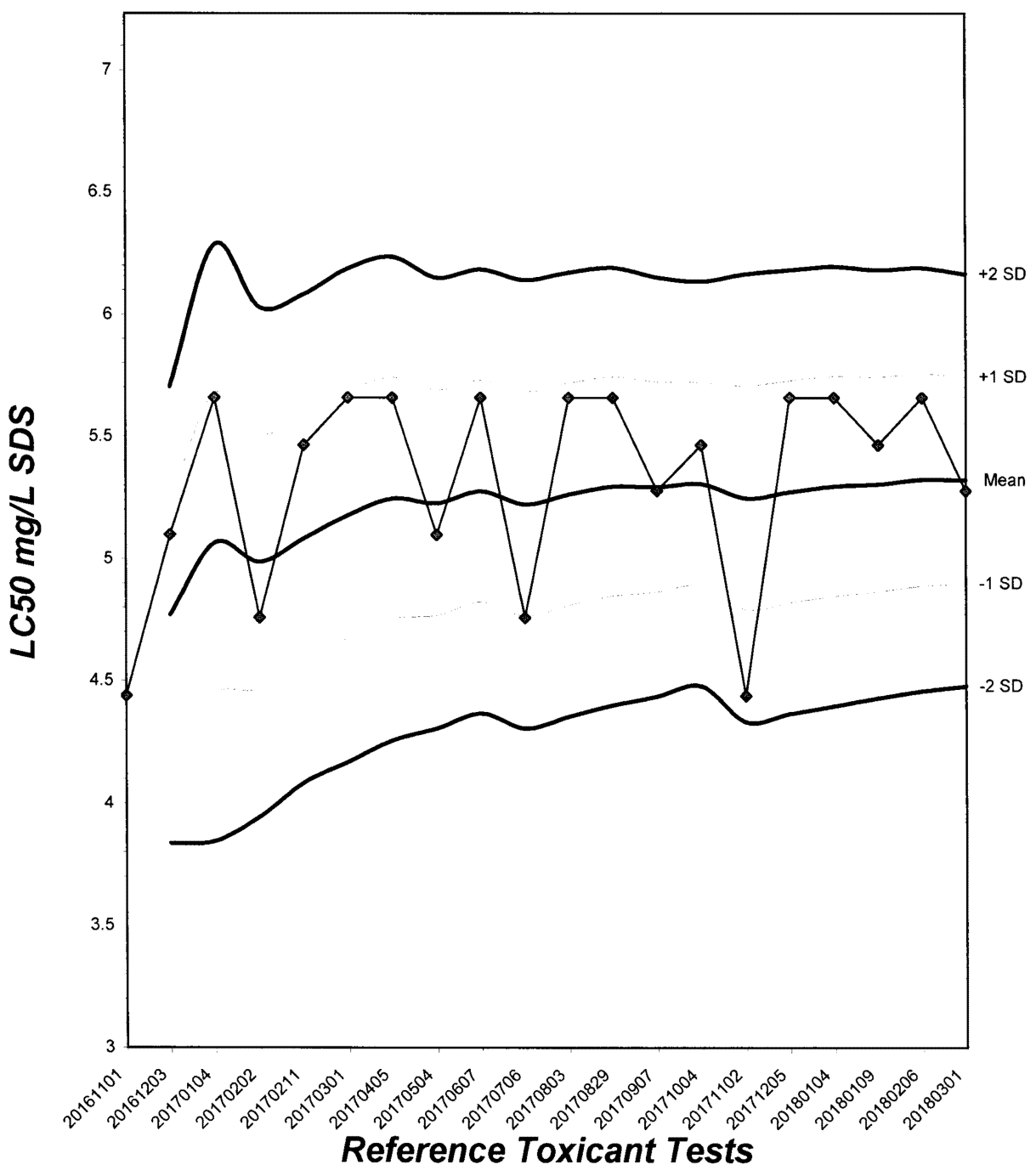
Trimmed Spearman-Karber

Trim Level	EC50	95% CL	
0.0%	5.2780	4.8093	5.7924
5.0%	5.3968	4.8053	6.0611
10.0%	5.4432	5.1395	5.7648
20.0%	5.4432	5.1395	5.7648
Auto-0.0%	5.2780	4.8093	5.7924



Fathead Minnow Acute Laboratory Control Chart

CV% = 7.92



Aquatic Testing Laboratories

TEST ORGANISM LOG

FATHEAD MINNOW - LARVAL
(*Pimephales promelas*)

QA/QC BATCH NO.: RT-180301

SOURCE: In-Lab Culture

DATE HATCHED: 2-20-18

APPROXIMATE QUANTITY: 400

GENERAL APPEARANCE: good

MORTALITIES 48 HOURS PRIOR TO TO USE IN TESTING: 0

DATE USED IN LAB: 3 / 1 / 18

AVERAGE FISH WEIGHT: 0.004 gm

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

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

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

200 ml test solution volume = 0.013 gm mean fish weight limit @ 20°C; 0.008 @ 25°C
250 ml test solution volume = 0.016 gm mean fish weight limit @ 20°C; 0.010 @ 25°C

ACCLIMATION WATER QUALITY:

Temp.: 20.0 °C pH: 8.1 Ammonia: 0 mg/l NH_3-N

DO: 8.6 mg/l Alkalinity: 59 mg/l Hardness: 88 mg/l

READINGS RECORDED BY: [signature] DATE: 3-2-18

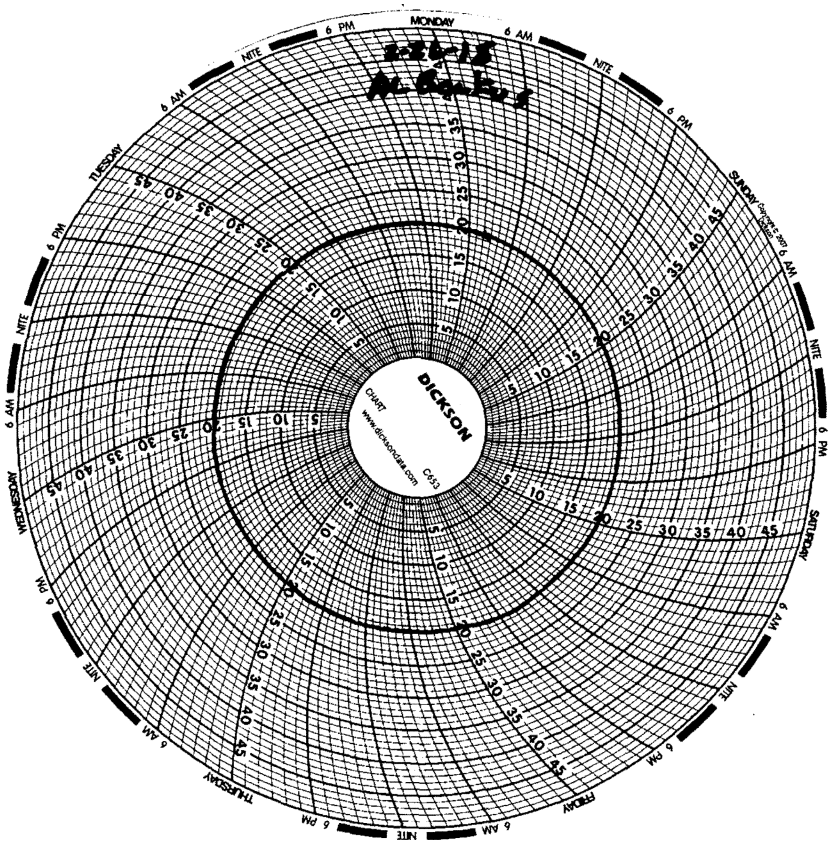
Aquatic
Testing
Laboratories

Test Temperature Chart

Test No: RT-180301

Date Tested: 03/01/18 to 03/05/18

Acceptable Range: 20 +/- 1°C



AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

14957

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

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

TAT Turnaround Codes **

(1) = Same Day Rush
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X = 10 Working Days (Standard TAT)

ANALYSIS REQUESTED (Test Name)

Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	TPHd 8015M	TPHg/MTBE/TBA 8260B	Arsenic 200.7	6010B Total Copper	6010B Diss. Copper	Fish Toxicity	Special Instructions
Effluent	8C20015-01	3-20-18	0808	Water	3						✓	Report J-Flags

REVIEWED Date 3/20/18 Time 1745 Sign TAT N Days

A5332496/8C20015

Relinquished by	Date	Time	Received by
Glenn Androsko	3-20-18	1245	
	3-20-18	17:18	

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APPENDIX B

Laboratory ELAP Certification

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

American Analytics Inc.

Stationary Laboratory

9765 Eton Avenue

Chatsworth, CA 91311

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

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

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

Certificate No.: **1471**

Expiration Date: **3/31/2018**

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

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA
Water Boards

EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIQUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

State Water Resources Control Board

April 19, 2017

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

Dear George Havalias: Certificate No. 1471

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

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

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

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

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

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

Sincerely,

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

Enclosure

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

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

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

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

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

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

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

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

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

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

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

Field of Testing: 108 - Inorganic Chemistry of Wastewater

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

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

Field of Testing: 109 - Toxic Chemical Elements of Wastewater

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

Field of Testing: 110 - Volatile Organic Chemistry of Wastewater			
110.020	000	Purgeable Aromatics	EPA 602
110.040	000	Purgeable Organic Compounds	EPA 624
Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater			
111.060	000	Polynuclear Aromatics	EPA 610
111.100	000	Base/Neutral & Acid Organics	EPA 625
111.103	000	Nitrosamines	EPA 625
111.170	000	Organochlorine Pesticides and PCBs	EPA 608
Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste			
114.010	001	Antimony	EPA 6010B
114.010	002	Arsenic	EPA 6010B
114.010	003	Barium	EPA 6010B
114.010	004	Beryllium	EPA 6010B
114.010	005	Cadmium	EPA 6010B
114.010	006	Chromium	EPA 6010B
114.010	007	Cobalt	EPA 6010B
114.010	008	Copper	EPA 6010B
114.010	009	Lead	EPA 6010B
114.010	010	Molybdenum	EPA 6010B
114.010	011	Nickel	EPA 6010B
114.010	012	Selenium	EPA 6010B
114.010	013	Silver	EPA 6010B
114.010	014	Thallium	EPA 6010B
114.010	015	Vanadium	EPA 6010B
114.010	016	Zinc	EPA 6010B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.106	001	Chromium (VI)	EPA 7199
114.141	001	Mercury	EPA 7471A
114.241	001	Corrosivity - pH Determination	EPA 9045C
Field of Testing: 115 - Extraction Test of Hazardous Waste			
115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311

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

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

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

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

APPENDIX C

Report Certification

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

April 10, 2018

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

Dear Mr. Kai:

Please accept this letter as certification of the Groundwater Discharge Monitoring Report – Quarter 1 calendar year 2018 for Defense Fuel Support Point Norwalk, General National Pollutant Discharge Elimination System Permit No. CAG994004, CFN# CI-7585.

In summary, the acute toxicity sample collected on February 28, 2018, from the groundwater water extraction and treatment system (GWETS) did not meet the threshold specified in Section IV, Part A.4 of the Monitoring and Reporting Program. As you are aware, the GWETS has been offline since December 28, 2017, due to a previously reported copper exceedance. On February 28, 2018, our restoration contractor turned on the GWETS system to conduct the bioassay sampling and manually shut it down the same day. The discharge water was not contained while waiting for the analytical analyses results. We notified your office on March 2, 2018, and our contractor continued their investigation to determine potential causative factors. Since then, we employed a temporary holding tank for treated water and completed troubleshooting on the carbon filter and achieved a 100% success rate with a subsequent sample.

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

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

Sincerely,

Digitally signed by FLEMING.LAURA.ANN.1271112625
Date: 2018.04.11 17:36:50 -04'00'

Laura A. Fleming
Chief, Environmental Division

Enclosure
As stated

cc: CRWQB Information Technology Unit

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A GEO_REPORT FILE

SUCCESS

Your GEO_REPORT file has been successfully submitted!

Submittal Type:	GEO_REPORT
Report Title:	GROUNDWATER DISCHARGE MONITORING REPORT QUARTER 1, 2018
Report Type:	NPDES / WDR Reports
Report Date:	4/13/2018
Facility Global ID:	SLT43185183
Facility Name:	Norwalk, Fuel Terminal DFSP - DOD - NORWALK DFSP
File Name:	GROUNDWATER DISCHARGE MONITORING REPORT QUARTER 1, 2018.pdf
Organization Name:	The Source Group, Inc.
Username:	SIGNAL HILL
IP Address:	66.214.148.134
Submittal Date/Time:	4/13/2018 7:14:16 AM
Confirmation Number:	3969260096

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