July 5, 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 2, 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 the subject report to summarize the National Pollutant Discharge Elimination System (NPDES) monitoring activities for Quarter 2, 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 include soil vapor extraction systems and a groundwater extraction and treatment system (GWETS). The treatment of extracted soil vapors and groundwater is ongoing at the Site to address historical impacts within the entire former tank farm, former water tank, former truck fueling, and pump house areas.

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 the current reporting period. All treated groundwater was discharged in accordance with NPDES Permit No. CAG994004, Compliance File No. CI-7585 this period (see Summary of Compliance Results section).

GWETS discharge volumes and field notes for April, May and June 2018 are summarized in Tables 2A, 2B, and 2C, respectively. 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 Quarter 2, 2018 was approximately 482,184 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 this period was approximately 0.2 pounds (Table 2C).

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 in accordance with NPDES permit requirements with all parameters specified by the Monitoring and Reporting Program (MRP) either being measured analytically or in the field using applicable test equipment. A summary of the Quarter 2, 2018 monitoring results, including sample dates, is provided as Table 1.

As Table 1 indicates, all concentrations were below detection levels and/or did not exceed any of the permit discharge limits. Per the tabulated notes, accelerated monthly acute toxicity test samples were collected during the reporting period (see SGI's April 13, 2018 *Groundwater Discharge Monitoring Report* for details, including action measures taken to help ensure permit compliance) with all the results demonstrating full compliance with the effluent permit limitation such that regular annual monitoring for this parameter will resume during November 2018 per Section IV, Part A.4 of the MRP. Laboratory analytical reports and chain-of-custody documents for all the samples collected this period are included in Appendix A.

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

SUMMARY OF NON-COMPLIANCE

The GWETS operated in compliance with NPDES No. CAG994004, CI-7585 during this reporting period.

LABORATORY CERTIFICATION

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

REPORT CERTIFICATION

The DLA report certification is provided in Appendix C.

Sincerely,

Michael Wood, P.E.
Senior Engineer

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

Attachments and Distribution:

Table 1 – Summary of Effluent Groundwater Monitoring Results - 2nd Quarter 2018
Table 2A – Groundwater Extraction and Treatment System Operations Summary - April
Table 2B – Groundwater Extraction and Treatment System Operations Summary - May
Table 2C – Groundwater Extraction and Treatment System Operations Summary - June

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

cc: Mr. Paul Cho, LARWQCB
Mr. Jim Covin, LARWQCB
Ms. Carol Devier-Heeney, DLA
Maj. Justin Settles, DLA
Ms. Adriana Figueroa, City of Norwalk
Mr. Brian Partington, Water Replenishment District
Mr. Everett Ferguson, Water Replenishment District
Ms. Perla Hernandez, Office of Congresswoman Grace Napolitano
Ms. Yvette Shahinian, Office of Congresswoman Linda T. Sánchez
Ms. Yahaira Ortiz, Office of State Senator Tony Mendoza
Mr. Norman Dupont, Richards Watson Gershon
Mr. Adam Ly, Liberty Utilities
Mr. Michael T. Wilson, Air Force Real Property Agency
Librarian, Norwalk Regional Library
Mr. Steve Defibaugh, KMI
Mr. Eric Davis, CH2M HILL
Ms. Lorena Sierra, John Dolland Elementary School
Ms. Shyamolika Dube, Office of Assemblymember Christina Garcia
Ms. Mary Jane McIntosh, RAB Community Member
Ms. Tracy Winkler, RAB Community Member

TABLES

TABLE 1
Summary of Effluent Groundwater Monitoring Results - 2nd 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)
04/02/18	1	GW-2, GW-13, GW-15, GW-16	8.1	7.25	19.5	<100	<0.40	<7.0	<6.0	--	--	--	--	--	--	--	--	--	--	--	90 [B]
05/02/18		GW-2, GW-13, GW-15, GW-16	8.1	7.29	22.3	<100	<0.40	<7.0	<6.0	<5.0	<14	**0.69 J**	<0.027	<0.1 [C]	**1,300**	**6.0 J**	<0.1	<0.05	<0.15	<5.0	**--**
05/23/18	2	GW-2, GW-13, GW-15, GW-16	8.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	100 [B]
06/04/18	3	GW-2, GW-13, GW-15, GW-16	4.2	7.30	25.3	<100	<0.40	<7.0	<6.0	--	--	--	--	--	--	--	--	--	--	--	100 [B]

Legend / Notes:

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

A = Measured in the field using an Oakton® pH Tester Model 30.
B = Accelerated monthly permit compliance monitoring result (see SGI's April 13, 2018 *Groundwater Discharge Monitoring Report* for details, including action measures taken to help ensure permit compliance).
C = Measured in the field using a HACH® Chlorine Test Kit Model CN-70.

1 = GWETS briefly restarted (off-line since 3/20/18 pending confirmation of compliance with all permit discharge limits from sampling conducted the same day) to collect effluent samples with all treated groundwater stored in a temporary holding tank as a precautionary measure pending results.
2 = GWETS briefly restarted (off-line since 5/7/18 for maintenance) to collect monthly effluent acute toxicity sample for laboratory analysis as part of required accelerated permit compliance monitoring but left off-line upon departure as a precautionary measure pending result.
3 = Third consecutive accelerated monthly monitoring result for acute toxicity demonstrating full compliance with effluent permit limitation with regular annual monitoring to therefore resume during November 2018 per Section IV, Part A.4 of the MRP.

TABLE 2A

Groundwater Extraction and Treatment System Operations Summary - April

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)
4/1/18	Off line		54,181	31,231	152,043	286,236	11,555,242	4,864,449	77,903,035	0	--	9,945
4/2/18	Technician	1,2	55,416	31,916	153,428	287,285	11,557,676	4,866,369	77,903,035	0	65	9,945
4/3/18	Off line		55,416	31,916	153,428	287,285	11,557,676	4,866,369	77,903,035	0	--	9,945
4/4/18	Off line		55,416	31,916	153,428	287,285	11,557,676	4,866,369	77,903,035	0	--	9,945
4/5/18	Off line		55,416	31,916	153,428	287,285	11,557,676	4,866,369	77,903,035	0	--	9,945
4/6/18	Off line		55,416	31,916	153,428	287,285	11,557,676	4,866,369	77,903,035	0	--	9,945
4/7/18	Off line		55,416	31,916	153,428	287,285	11,557,676	4,866,369	77,903,035	0	--	9,945
4/8/18	Off line		55,416	31,916	153,428	287,285	11,557,676	4,866,369	77,903,035	0	--	9,945
4/9/18	Off line		55,416	31,916	153,428	287,285	11,557,676	4,866,369	77,903,035	0	--	9,945
4/10/18	Off line		55,416	31,916	153,428	287,285	11,557,676	4,866,369	77,903,035	0	--	9,945
4/11/18	Off line		55,416	31,916	153,428	287,285	11,557,676	4,866,369	77,903,035	0	--	9,945
4/12/18	Technician	3	55,416	31,916	153,428	287,285	11,557,676	4,866,369	77,906,435	3,400	--	9,945
4/13/18	*		55,416	31,916	153,428	287,285	11,557,676	4,866,369	77,913,236	6,801	--	9,945
4/14/18	Technician	4	55,416	31,916	153,428	287,285	11,557,676	4,866,369	77,917,770	4,534	--	9,945
4/15/18	Off line		55,416	31,916	153,428	287,285	11,557,676	4,866,369	77,917,770	0	--	9,945
4/16/18	Off line		55,416	31,916	153,428	287,285	11,557,676	4,866,369	77,917,770	0	--	9,945
4/17/18	Off line		55,416	31,916	153,428	287,285	11,557,676	4,866,369	77,917,770	0	--	9,945
4/18/18	Off line		55,416	31,916	153,428	287,285	11,557,676	4,866,369	77,917,770	0	--	9,945
4/19/18	Off line		55,416	31,916	153,428	287,285	11,557,676	4,866,369	77,917,770	0	--	9,945
4/20/18	Off line		55,416	31,916	153,428	287,285	11,557,676	4,866,369	77,917,770	0	--	9,945
4/21/18	Off line		55,416	31,916	153,428	287,285	11,557,676	4,866,369	77,917,770	0	--	9,945
4/22/18	Off line		55,416	31,916	153,428	287,285	11,557,676	4,866,369	77,917,770	0	--	9,945
4/23/18	Off line		55,416	31,916	153,428	287,285	11,557,676	4,866,369	77,917,770	0	--	9,945
4/24/18	Off line		55,416	31,916	153,428	287,285	11,557,676	4,866,369	77,917,770	0	--	9,945
4/25/18	Technician	5	57,171	32,749	155,025	288,750	11,560,738	4,868,957	77,923,472	5,702	--	9,945
4/26/18	*		60,129	34,154	157,718	291,220	11,565,901	4,873,320	77,933,086	9,614	--	9,945
4/27/18	Technician		63,088	35,559	160,411	293,690	11,571,064	4,877,684	77,942,700	9,614	--	9,945
4/28/18	*		66,877	37,115	163,621	296,624	11,577,208	4,883,030	77,954,400	11,700	--	9,945
4/29/18	*		70,667	38,672	166,831	299,558	11,583,351	4,888,376	77,966,100	11,700	--	9,945
4/30/18	*		74,456	40,228	170,040	302,492	11,589,495	4,893,722	77,977,800	11,700	--	9,945

Cumulative Groundwater Discharged by the GWETS to Date (gallons)							
Period	April	Quarter 1, 2018	Quarter 2, 2018	Quarter 3, 2018	Quarter 4, 2018	2018 to Date	April 1996 to Date
Volume	74,765	189,822	74,765	--	--	264,587	77,977,800

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	April	Quarter 2 to Date	April 1996 to Date
Mass	0.04	0.04	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 briefly restarted (off-line since 3/20/18 pending confirmation of compliance with all permit discharge limits from sampling event conducted the same day) to collect monthly influent, intermediate and effluent samples for laboratory analysis, including acute toxicity sample as part of required accelerated permit compliance monitoring (see Table 1).

2 = No actual discharge occurred as all extracted and treated groundwater was stored in a temporary holding tank as a precautionary measure pending results from 4/2/18 sampling event.

3 = Began gravity draining all treated groundwater from temporary holding tank following confirmation of compliance with all permit discharge limits from 4/2/18 sampling event.

4 = Completed gravity draining of all treated groundwater from temporary holding tank but system left off-line in advance of scheduled groundwater monitoring and sampling work next week.

5 = GWETS restarted following completion of groundwater monitoring and sampling activities.

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: 4/2/18 (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 - May

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)
5/1/18	*		78,246	41,785	173,250	305,425	11,595,639	4,899,068	77,989,501	11,700	--	9,945
5/2/18	Technician	1,2,3	82,022	43,336	176,449	308,349	11,601,761	4,904,395	78,001,160	11,659	130	9,945
5/3/18	*		85,735	44,872	179,964	311,530	11,608,457	4,909,644	78,012,774	11,614	--	9,945
5/4/18	*		89,448	46,409	183,480	314,711	11,615,154	4,914,894	78,024,388	11,614	--	9,945
5/5/18	*		93,161	47,945	186,995	317,892	11,621,850	4,920,143	78,036,002	11,614	--	9,945
5/6/18	*		96,874	49,481	190,510	321,073	11,628,546	4,925,392	78,047,616	11,614	--	9,946
5/7/18	Technician	4	100,600	51,023	194,038	324,265	11,635,266	4,930,660	78,059,270	11,654	--	9,946
5/8/18	Off line		100,600	51,023	194,038	324,265	11,635,266	4,930,660	78,059,270	0	--	9,946
5/9/18	Off line		100,600	51,023	194,038	324,265	11,635,266	4,930,660	78,059,270	0	--	9,946
5/10/18	Off line		100,600	51,023	194,038	324,265	11,635,266	4,930,660	78,059,270	0	--	9,946
5/11/18	Off line		100,600	51,023	194,038	324,265	11,635,266	4,930,660	78,059,270	0	--	9,946
5/12/18	Off line		100,600	51,023	194,038	324,265	11,635,266	4,930,660	78,059,270	0	--	9,946
5/13/18	Off line		100,600	51,023	194,038	324,265	11,635,266	4,930,660	78,059,270	0	--	9,946
5/14/18	Off line		100,600	51,023	194,038	324,265	11,635,266	4,930,660	78,059,270	0	--	9,946
5/15/18	Off line		100,600	51,023	194,038	324,265	11,635,266	4,930,660	78,059,270	0	--	9,946
5/16/18	Off line		100,600	51,023	194,038	324,265	11,635,266	4,930,660	78,059,270	0	--	9,946
5/17/18	Off line		100,600	51,023	194,038	324,265	11,635,266	4,930,660	78,059,270	0	--	9,946
5/18/18	Off line		100,600	51,023	194,038	324,265	11,635,266	4,930,660	78,059,270	0	--	9,946
5/19/18	Off line		100,600	51,023	194,038	324,265	11,635,266	4,930,660	78,059,270	0	--	9,946
5/20/18	Off line		100,600	51,023	194,038	324,265	11,635,266	4,930,660	78,059,270	0	--	9,946
5/21/18	Off line		100,600	51,023	194,038	324,265	11,635,266	4,930,660	78,059,270	0	--	9,946
5/22/18	Off line		100,600	51,023	194,038	324,265	11,635,266	4,930,660	78,059,270	0	--	9,946
5/23/18	Technician	5	101,213	51,380	195,107	325,388	11,637,458	4,931,630	78,062,300	3,030	--	9,946
5/24/18	Off line		101,213	51,380	195,107	325,388	11,637,458	4,931,630	78,062,300	0	--	9,946
5/25/18	Off line		101,213	51,380	195,107	325,388	11,637,458	4,931,630	78,062,300	0	--	9,946
5/26/18	Off line		101,213	51,380	195,107	325,388	11,637,458	4,931,630	78,062,300	0	--	9,946
5/27/18	Off line		101,213	51,380	195,107	325,388	11,637,458	4,931,630	78,062,300	0	--	9,946
5/28/18	Off line		101,213	51,380	195,107	325,388	11,637,458	4,931,630	78,062,300	0	--	9,946
5/29/18	Technician	6	101,442	51,667	195,923	325,994	11,638,902	4,932,211	78,064,325	2,025	--	9,946
5/30/18	*		101,967	52,490	197,905	327,422	11,642,291	4,933,494	78,070,392	6,067	--	9,946
5/31/18	*		102,720	53,601	200,704	329,456	11,647,123	4,935,358	78,076,459	6,067	--	9,946

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	May	Quarter 1, 2018	Quarter 2, 2018	Quarter 3, 2018	Quarter 4, 2018	2018 to Date	April 1996 to Date
Volume	97,443	189,822	172,208	--	--	362,030	78,075,243

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	May	Quarter 2 to Date	April 1996 to Date
Mass	0.10	0.14	9,945.5

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

Legend / Notes:

1 = Collected monthly process and intermediate samples for laboratory analysis.
2 = Collected quarterly effluent samples for laboratory analysis (see Table 1).
3 = Measured residual chlorine in the field using HACH Test Kit Model CN-70.
4 = GWETS manually shut down for maintenance.
5 = GWETS briefly restarted to collect monthly effluent acute toxicity sample for laboratory analysis as part of required accelerated permit compliance monitoring (see Table 1) but left off-line upon departure as a precautionary measure pending result.
6 = GWETS restarted following confirmation of compliance with acute toxicity discharge limit.

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: 5/2/18 (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 - June

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)
6/1/18	*		103,474	54,711	203,502	331,490	11,651,956	4,937,222	78,082,526	6,067	--	9,946
6/2/18	*		104,228	55,822	206,301	333,524	11,656,788	4,939,086	78,088,593	6,067	--	9,946
6/3/18	*		104,981	56,932	209,099	335,558	11,661,621	4,940,950	78,094,660	6,067	--	9,946
6/4/18	Technician	1,2	105,688	57,973	211,723	337,465	11,666,151	4,942,698	78,100,725	6,065	ND <60	9,946
6/5/18	*		109,363	59,461	215,943	340,797	11,673,703	4,947,861	78,112,725	12,000	--	9,946
6/6/18	*		113,038	60,949	220,163	344,130	11,681,255	4,953,024	78,124,725	12,000	--	9,946
6/7/18	Technician		116,215	62,236	223,811	347,011	11,687,785	4,957,488	78,135,100	10,375	--	9,946
6/8/18	*		119,644	63,643	227,892	350,160	11,695,015	4,962,324	78,147,454	12,354	--	9,946
6/9/18	*		123,073	65,050	231,974	353,308	11,702,245	4,967,160	78,159,808	12,354	--	9,946
6/10/18	*		126,502	66,458	236,055	356,457	11,709,475	4,971,997	78,172,162	12,354	--	9,946
6/11/18	Technician		130,443	68,075	240,746	360,076	11,717,785	4,977,555	78,186,360	14,198	--	9,946
6/12/18	*		131,386	69,380	244,556	363,127	11,724,646	4,979,804	78,195,453	9,093	--	9,946
6/13/18	*		132,330	70,685	248,366	366,177	11,731,506	4,982,052	78,204,546	9,093	--	9,946
6/14/18	*		133,273	71,990	252,176	369,228	11,738,367	4,984,301	78,213,639	9,093	--	9,946
6/15/18	Technician		134,066	73,087	255,378	371,791	11,744,132	4,986,190	78,221,280	7,641	--	9,946
6/16/18	*		136,912	74,360	259,329	374,749	11,751,041	4,990,309	78,232,221	10,941	--	9,946
6/17/18	*		139,758	75,633	263,280	377,707	11,757,949	4,994,429	78,243,162	10,941	--	9,946
6/18/18	*		142,605	76,907	267,231	380,665	11,764,858	4,998,548	78,254,103	10,941	--	9,946
6/19/18	*		145,451	78,180	271,181	383,622	11,771,767	5,002,668	78,265,044	10,941	--	9,946
6/20/18	*		148,297	79,453	275,132	386,580	11,778,676	5,006,787	78,275,985	10,941	--	9,946
6/21/18	*		151,143	80,726	279,083	389,538	11,785,584	5,010,907	78,286,926	10,941	--	9,946
6/22/18	Technician		153,950	81,982	282,979	392,455	11,792,397	5,014,969	78,297,715	10,789	--	9,946
6/23/18	*		156,431	83,157	286,793	395,797	11,799,554	5,018,624	78,308,286	10,571	--	9,946
6/24/18	*		158,912	84,331	290,607	399,140	11,806,710	5,022,280	78,318,857	10,571	--	9,946
6/25/18	*		161,392	85,506	294,422	402,482	11,813,867	5,025,935	78,329,428	10,571	--	9,946
6/26/18	*		163,873	86,680	298,236	405,825	11,821,023	5,029,590	78,339,999	10,571	--	9,946
6/27/18	*		166,354	87,855	302,050	409,167	11,828,180	5,033,246	78,350,570	10,571	--	9,946
6/28/18	*		168,835	89,029	305,864	412,509	11,835,336	5,036,901	78,361,141	10,571	--	9,946
6/29/18	Technician		171,660	90,367	310,208	416,316	11,843,487	5,041,064	78,373,180	12,039	--	9,946
6/30/18	*		174,453	91,673	314,469	420,265	11,851,697	5,045,163	78,385,219	12,039	--	9,946

Cumulative Groundwater Discharged by the GWETS (gallons)							
Period	June	Quarter 1, 2018	Quarter 2, 2018	Quarter 3, 2018	Quarter 4, 2018	2018 to Date	April 1996 to Date
Volume	309,976	189,822	482,184	--	--	672,006	78,385,219

Cumulative Mass DRO Removed by the GWETS [A] (lb)			
Period	June	Quarter 2 to Date	April 1996 to Date
Mass	0.09	0.23	9,945.6

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

Legend / Notes:

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

2 = Collected monthly effluent samples for laboratory analysis, including final accelerated permit compliance monitoring acute toxicity sample (see Table 1).

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

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: 6/4/18 (laboratory report attached).

-- = Not applicable

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

April 18, 2018

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5332520 / 8D02017

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 04/02/18 16:26 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332520
Date Received: 04/02/18
Date Reported: 04/18/18

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B TPHGASOLINEBTEXOXY					
Effluent	8D02017-01	Water	5	04/02/18 13:15	04/02/18 16:26
Arsenic Total EPA 200.7					
Effluent	8D02017-01	Water	5	04/02/18 13:15	04/02/18 16:26
Diesel Range Organics 8015M					
Effluent	8D02017-01	Water	5	04/02/18 13:15	04/02/18 16:26

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332520
Project No:	04-NDLA-013	**Date Received:**	04/02/18
Project Name:	DFSP Norwalk GWETS NPDES Monthly	**Date Reported:**	04/18/18
Method:	TPHG/BTEX/Oxygenates by GC/MS	**Units:**	ug/L

Date Sampled:	04/02/18		
Date Prepared:	04/09/18		
Date Analyzed:	04/09/18		
AA ID No:	8D02017-01		
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	103%	70-140
Dibromofluoromethane	119%	70-140
Toluene-d8	95%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332520
Project No:	04-NDLA-013	**Date Received:**	04/02/18
Project Name:	DFSP Norwalk GWETS NPDES Monthly	**Date Reported:**	04/18/18
Method:	Diesel Range Organics by GC/FID	**Units:**	ug/L

Date Sampled:	04/02/18		
Date Prepared:	04/04/18		
Date Analyzed:	04/04/18		
AA ID No:	8D02017-01		
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	80%	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: A5332520
Date Received: 04/02/18
Date Reported: 04/18/18

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
Arsenic Total EPA 200.7 (EPA 200.7)									
8D02017-01	Effluent	04/02/18	04/03/18	04/04/18	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: A5332520
Date Received: 04/02/18
Date Reported: 04/18/18

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 B8D0925 - EPA 5030B										
Blank (B8D0925-BLK1)				Prepared & Analyzed: 04/09/18						
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	*49.9*		*ug/L*	*50*		*99.7*	*70-140*			
Surrogate: Dibromofluoromethane	*55.9*		*ug/L*	*50*		*112*	*70-140*			
Surrogate: Toluene-d8	*48.5*		*ug/L*	*50*		*97.1*	*70-140*			
LCS (B8D0925-BS1)				Prepared & Analyzed: 04/09/18						
tert-Amyl Methyl Ether (TAME)	**21.6**	0.30	ug/L	20		108	70-130			
Benzene	**19.9**	0.20	ug/L	20		99.4	75-125			
tert-Butyl alcohol (TBA)	**118**	7.0	ug/L	100		118	70-130			
Diisopropyl ether (DIPE)	**21.0**	0.50	ug/L	20		105	70-130			
Ethylbenzene	**20.0**	0.20	ug/L	20		99.8	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**21.1**	0.40	ug/L	20		106	70-130			
Gasoline Range Organics (GRO)	**493**	40	ug/L	500		98.6	70-130			
Methyl-tert-Butyl Ether (MTBE)	**39.6**	0.40	ug/L	40		99.0	70-135			
Toluene	**20.2**	0.30	ug/L	20		101	75-125			
o-Xylene	**20.2**	0.30	ug/L	20		101	75-125			
m,p-Xylenes	**40.8**	0.40	ug/L	40		102	70-130			
Surrogate: 4-Bromofluorobenzene	*46.7*		*ug/L*	*50*		*93.3*	*70-140*			
Surrogate: Dibromofluoromethane	*51.7*		*ug/L*	*50*		*103*	*70-140*			
Surrogate: Toluene-d8	*46.1*		*ug/L*	*50*		*92.2*	*70-140*			
Matrix Spike (B8D0925-MS1)				**Source: 8C28013-02** Prepared & Analyzed: 04/09/18						

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: A5332520
Date Received: 04/02/18
Date Reported: 04/18/18

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 B8D0925 - EPA 5030B										
Matrix Spike (B8D0925-MS1) Continued Source: 8C28013-02 Prepared & Analyzed: 04/09/18										
tert-Amyl Methyl Ether (TAME)	**19.4**	0.30	ug/L	20		97.2	70-130			
Benzene	**22.3**	0.20	ug/L	20	1.40	104	70-130			
tert-Butyl alcohol (TBA)	**117**	7.0	ug/L	100		117	70-130			
Diisopropyl ether (DIPE)	**31.1**	0.50	ug/L	20	9.18	110	70-130			
Ethylbenzene	**21.3**	0.20	ug/L	20		106	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**20.6**	0.40	ug/L	20		103	70-130			
Methyl-tert-Butyl Ether (MTBE)	**44.2**	0.40	ug/L	40		110	70-130			
Toluene	**20.9**	0.30	ug/L	20		104	70-130			
o-Xylene	**20.3**	0.30	ug/L	20		102	70-130			
m,p-Xylenes	**41.7**	0.40	ug/L	40		104	70-130			
Surrogate: 4-Bromofluorobenzene	*51.9*		*ug/L*	*50*		*104*	*70-140*			
Surrogate: Dibromofluoromethane	*51.2*		*ug/L*	*50*		*102*	*70-140*			
Surrogate: Toluene-d8	*50.6*		*ug/L*	*50*		*101*	*70-140*			
Matrix Spike Dup (B8D0925-MSD1) **Source: 8C28013-02** Prepared & Analyzed: 04/09/18										
tert-Amyl Methyl Ether (TAME)	**20.0**	0.30	ug/L	20		100	70-130	3.09	30	
Benzene	**22.4**	0.20	ug/L	20	1.40	105	70-130	0.403	30	
tert-Butyl alcohol (TBA)	**117**	7.0	ug/L	100		117	70-130	0.00	30	
Diisopropyl ether (DIPE)	**31.2**	0.50	ug/L	20	9.18	110	70-130	0.321	30	
Ethylbenzene	**21.6**	0.20	ug/L	20		108	70-130	1.40	30	
Ethyl-tert-Butyl Ether (ETBE)	**21.0**	0.40	ug/L	20		105	70-130	2.07	30	
Methyl-tert-Butyl Ether (MTBE)	**45.7**	0.40	ug/L	40		114	70-130	3.36	30	
Toluene	**21.0**	0.30	ug/L	20		105	70-130	0.811	30	
o-Xylene	**20.9**	0.30	ug/L	20		104	70-130	2.57	30	
m,p-Xylenes	**42.0**	0.40	ug/L	40		105	70-130	0.645	30	
Surrogate: 4-Bromofluorobenzene	*50.4*		*ug/L*	*50*		*101*	*70-140*			
Surrogate: Dibromofluoromethane	*51.8*		*ug/L*	*50*		*104*	*70-140*			
Surrogate: Toluene-d8	*49.5*		*ug/L*	*50*		*99.0*	*70-140*			
Diesel Range Organics by GC/FID - Quality Control										
Batch B8D0423 - EPA 3510C										
Blank (B8D0423-BLK1) Prepared & Analyzed: 04/04/18										

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: A5332520
Date Received: 04/02/18
Date Reported: 04/18/18

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 B8D0423 - EPA 3510C										
Blank (B8D0423-BLK1) Continued				Prepared & Analyzed: 04/04/18						
Diesel Range Organics as Diesel	<60	60	ug/L							
Surrogate: o-Terphenyl	*37.8*		*ug/L*	*40*		*94.6*	*50-150*			
LCS (B8D0423-BS1)				Prepared & Analyzed: 04/04/18						
Diesel Range Organics as Diesel	**613**	60	ug/L	800		76.6	75-125		30	
Surrogate: o-Terphenyl	*45.2*		*ug/L*	*40*		*113*	*50-150*			
LCS Dup (B8D0423-BSD1)				Prepared & Analyzed: 04/04/18						
Diesel Range Organics as Diesel	**770**	60	ug/L	800		96.2	75-125	22.7	30	
Surrogate: o-Terphenyl	*48.4*		*ug/L*	*40*		*121*	*50-150*			
Total Metals by ICP Atomic Emission Spectroscopy - Quality Control										
Batch B8D0431 - EPA 200.7										
Blank (B8D0431-BLK1)				Prepared: 04/03/18 Analyzed: 04/04/18						
Arsenic	<0.0060	0.0060	mg/L							
LCS (B8D0431-BS1)				Prepared: 04/03/18 Analyzed: 04/04/18						
Arsenic	**1.02**	0.0060	mg/L	1.0		102	80-120		20	
LCS Dup (B8D0431-BSD1)				Prepared: 04/03/18 Analyzed: 04/04/18						
Arsenic	**0.999**	0.0060	mg/L	1.0		99.9	80-120	1.63	20	
Matrix Spike (B8D0431-MS1)			**Source: 8D02019-05**	Prepared: 04/03/18 Analyzed: 04/04/18						
Arsenic	**0.995**	0.0060	mg/L	1.0		99.5	75-125		20	
Matrix Spike Dup (B8D0431-MSD1)			**Source: 8D02019-05**	Prepared: 04/03/18 Analyzed: 04/04/18						
Arsenic	**1.01**	0.0060	mg/L	1.0		101	75-125	1.63	20	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332520
Project No:	04-NDLA-013	**Date Received:**	04/02/18
Project Name:	DFSP Norwalk GWETS NPDES Monthly	**Date Reported:**	04/18/18

Special Notes

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

15060

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
(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	TPHd 8015M	TPHg/MTBE/TBA 8260B	Arsenic 200.7								Special Instructions
						Please enter the TAT Turnaround Codes ** below										
Effluent	8D02017-01	4.2.18	1315	Water	5	✓	✓	✓								Report J-Flags

REVIEWED
Date 4/3/18
Time 0650
Sign
TAT N Days

APR 2

A5332520/8D02017

Relinquished by	Date	Time	Received by
Glenn Androsko	4-2-18	13:35	
	4/2/18	1626	
	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

April 09, 2018

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk / 04-NDLA-007

A5332519 / 8D02016

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 04/02/18 16:26 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY 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: April 7, 2018

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

Laboratory No.: A-18040305-001
Project No.: A5332519
Sample ID.: 8D02016-01

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

Date Sampled:	04/02/18
Date Received:	04/03/18
Temp. Received:	4.2°C
Chlorine (TRC):	0.0 mg/l
Date Tested:	04/03/18 to 04/07/18

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
8D02016-01	90% Survival (TUa = 0.59)

Quality Control: Reviewed and approved by:

Joseph A. LeMay
Laboratory Director

FATHEAD MINNOW PERCENT SURVIVAL TEST
EPA Method 2000.0

Aquatic Testing Laboratories

Lab No.: A-18040305-001
Client/ID: American Analytics 8D02016-01 **Start Date: 04/03/2018**

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-180403.

TEST DATA

		°C	DO	pH	# Dead				Analyst & Time of Readings
					A	B	C	D	
INITIAL	Control	20.4	8.7	8.1	0	0	0	0	4-3-18 1300
	100%	20.3	8.7	8.0	0	0	0	0	
24 Hr	Control	20.1	8.2	7.9	0	0	0	0	4-4-18 1230
	100%	20.0	8.1	8.4	1	1	0	0	
48 Hr	Control	20.1	8.3	7.9	0	0	0	0	4-5-18 1230
	100%	20.1	7.8	8.3	1	0	1	0	
Renewal	Control	20.1	8.7	8.0	0	0	0	0	4-5-18 1230
	100%	20.1	8.0	8.3	0	0	0	0	
72 Hr	Control	20.2	8.3	7.9	0	0	0	0	4-6-18 1230
	100%	20.3	8.1	8.3	0	0	0	0	
96 Hr	Control	20.3	8.2	8.0	0	0	0	0	4-7-18 1300
	100%	20.4	8.1	8.2	0	0	0	0	

Comments:
Sample as received: Chlorine: 0 mg/l; Temp: 4.2 °C; DO: 3.9 mg/l; pH: 7.2;
Alkalinity: 500 mg/l; Hardness: 718 mg/l; Conductivity: 2093 umho; NH_3-N: 0.4 mg/l.
Sample aerated moderately (approx. 500 ml/min) to raise or lower DO? (Yes) / No.
Control: Alkalinity: 59 mg/l; Hardness: 86 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: 90.0 %

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.: 70050991

Page 1 of 1

Client: AMERICAN ANALYTICS	**Project Name / No.:** AS332519/8DD2016	**Sampler's Name:**	
Project Manager: Viorel Vasile	**Site Address:**	**Sampler's Signature:**	
Phone:	**City:**	**P.O. No.:** 30134	
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	Fish Tox	Acute Toxicity									Special Instructions
8DD2016-01		4/2/18	1315	Water	1	X										96hr. % Survival
																Fathead Minnow
																EPA-821-R-02-012
																Thank You

For Laboratory Use

4.2°C

A.A. Project No.:

	Date	Time	
Relinquished by	4-3-18	5:00	Received by
Relinquished by	4-3-18	10:00	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-180403

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:	4-3-18 1130			4-4-18 1115					4-5-18 1145				
Analyst:	J			J					J				
	°C	DO	pH	°C	DO	pH	# Dead A	# Dead B	°C	DO	pH	# Dead A	# Dead B
Control	20.2	8.2	8.0	20.0	8.1	7.9	0	0	20.0	8.2	7.9	0	0
1.0 mg/l	20.1	8.6	8.1	19.9	8.2	8.0	0	0	20.0	8.1	8.0	0	0
2.0 mg/l	20.2	8.7	8.0	19.9	8.2	7.9	0	0	20.0	8.1	7.9	0	0
4.0 mg/l	20.2	8.7	8.0	19.8	8.3	7.9	0	1	20.0	8.2	7.9	0	0
8.0 mg/l	20.1	8.7	8.0	19.8	8.4	7.8	10	10	-	-	-	-	-
16.0 mg/l	20.1	8.6	8.0	19.9	8.3	7.7	10	10	-	-	-	-	-

	RENEWAL			72 Hr					96 Hr				
Date/Time:	4-5-18 1145			4-6-18 1115					4-7-18 1130				
Analyst:	J			J					J				
	°C	DO	pH	°C	DO	pH	# Dead A	# Dead B	°C	DO	pH	# Dead A	# Dead B
Control	20.1	8.6	8.1	20.2	8.0	8.0	0	0	20.3	8.1	8.0	0	0
1.0 mg/l	20.1	8.5	8.0	20.1	7.9	8.0	0	0	20.1	8.0	8.0	0	0
2.0 mg/l	20.1	8.4	8.1	20.1	8.1	7.9	0	0	20.2	8.1	8.0	0	0
4.0 mg/l	20.0	8.3	8.1	20.2	8.0	7.9	0	1	20.1	8.0	8.0	0	0
8.0 mg/l	-	-	-	-	-	-	-	-	-	-	-	-	-
16.0 mg/l	-	-	-	-	-	-	-	-	-	-	-	-	-

Comments: Control: Alkalinity: 59 mg/l; Hardness: 86 mg/l; Conductivity: 307 umho.
SDS: Alkalinity: 59 mg/l; Hardness: 87 mg/l; Conductivity: 311 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:	4/3/2018 11:30	Test ID:	RT180403f	Sample ID:	REF-Ref Toxicant
End Date:	4/7/2018 11:30	Lab ID:	CAATL-Aquatic Testing Labs	Sample Type:	SDS-Sodium dodecyl sulfate
Sample Date:	4/3/2018	Protocol:	EPAAW02-EPA/821/R-02-01	Test Species:	PP-Pimephales promelas
Comments:					

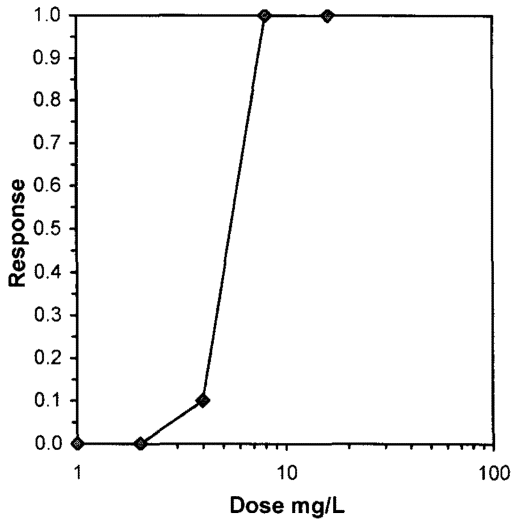
Conc-mg/L	1	2
D-Control	1.0000	1.0000
1	1.0000	1.0000
2	1.0000	1.0000
4	1.0000	0.8000
8	0.0000	0.0000
16	0.0000	0.0000

			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				

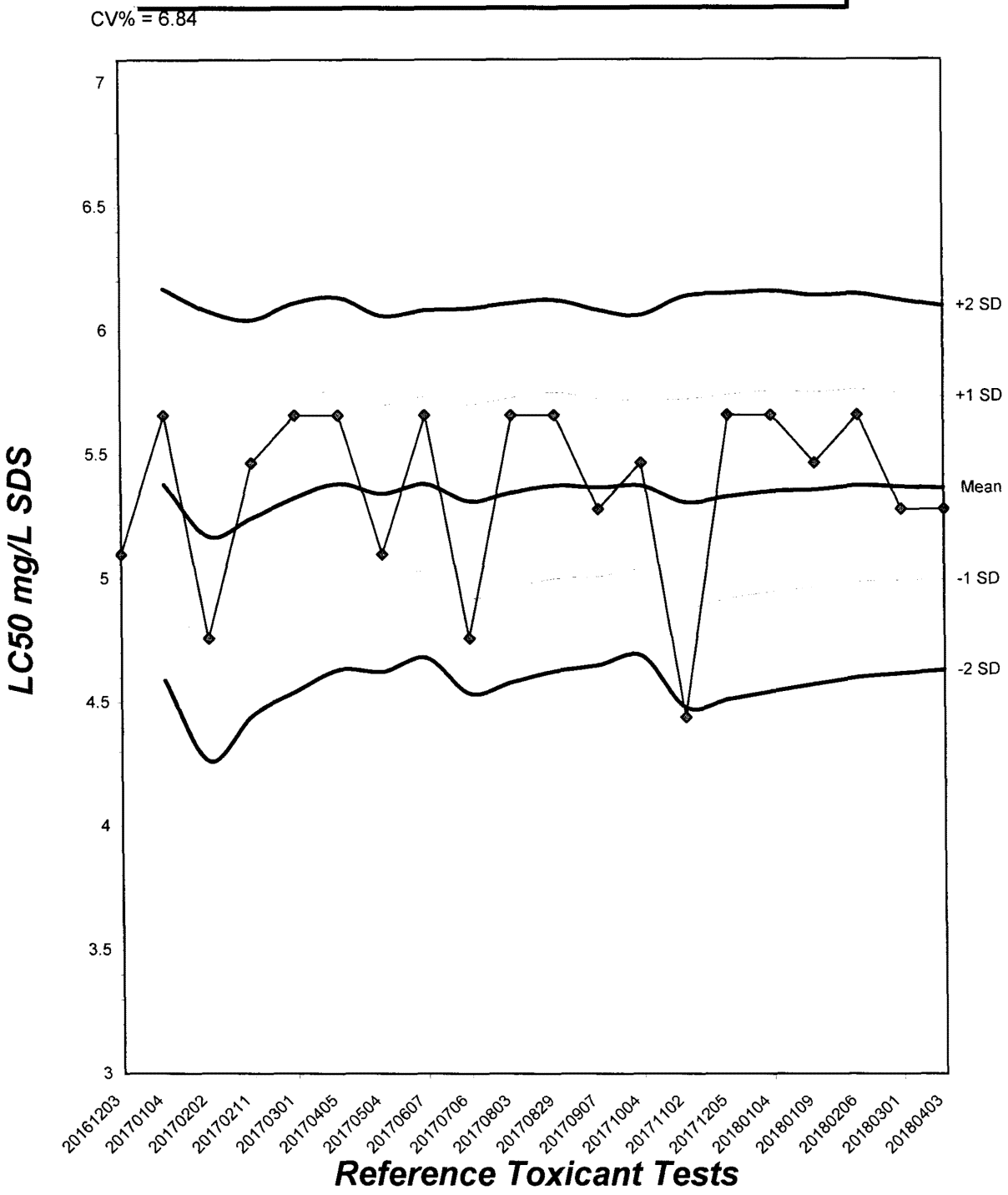
Trimmed Spearman-Karber

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



Reviewed by:

Fathead Minnow Acute Laboratory Control Chart



Aquatic Testing Laboratories

TEST ORGANISM LOG

FATHEAD MINNOW - LARVAL
(*Pimephales promelas*)

QA/QC BATCH NO.: RT-180403

SOURCE: In-Lab Culture

DATE HATCHED: 3-20-18

APPROXIMATE QUANTITY: 400

GENERAL APPEARANCE: good

MORTALITIES 48 HOURS PRIOR TO TO USE IN TESTING: 0

DATE USED IN LAB: 4/3/18

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.: 20.2 °C pH: 8.0 Ammonia: 0 mg/l NH_3-N

DO: 8.2 mg/l Alkalinity: 59 mg/l Hardness: 86 mg/l

READINGS RECORDED BY: _____ DATE: 4-4-18

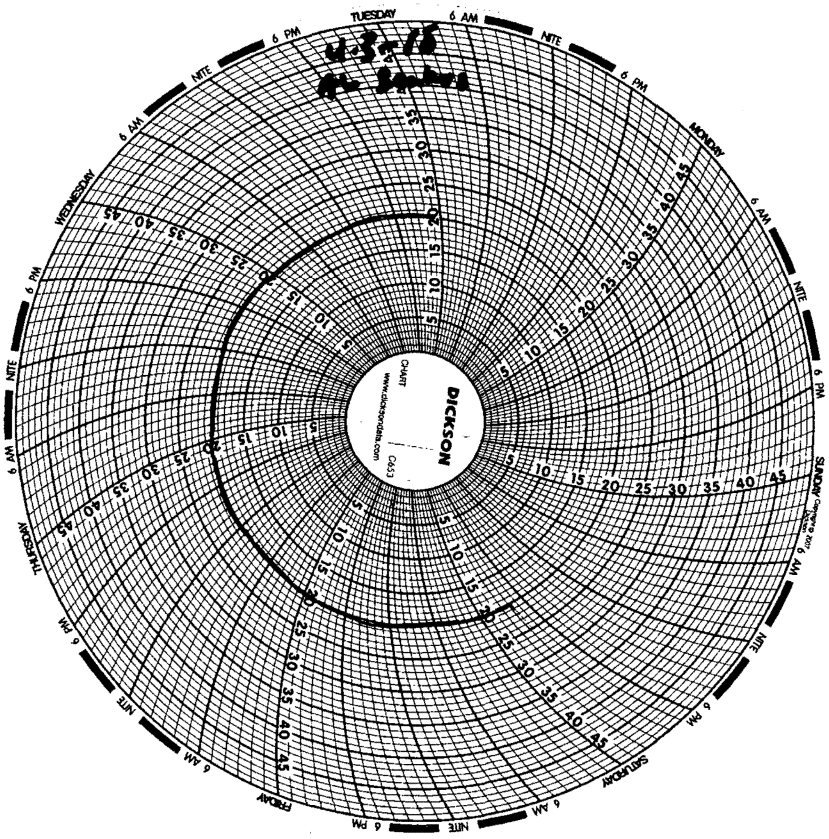
Aquatic Testing Laboratories

Test Temperature Chart

Test No: RT-180403

Date Tested: 04/03/18 to 04/07/18

Acceptable Range: 20 +/- 1°C



AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

15059

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 Andraska
Project Manager:	Neil Irish	**Site Address:**	15306 Norwalk Blvd	**Sampler's Signature:**	Glenn Andraska
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	6010B Copper	6010B Diss. Copper	Fish Toxicity	Special Instructions
						Please enter the TAT Turnaround Codes ** below						
Effluent	8D02016-01	4-2-18	1315	Water	1						✓	Report J-Flags

REVIEWED Date 4/3/18 Time 0600 Sign: TAT 10 Days

10 APS 2

AS332519/8D02016

Relinquished by	Date	Time	Received by
Glenn Andraska	4-2-18	13'35	
	4/2/18	1626	

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

May 24, 2018

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

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

A5332558 / 8E02020

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 05/02/18 16:52 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: A5332558
Date Received: 05/02/18
Date Reported: 05/24/18

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B TPHGASOLINEBTEXOXY					
Effluent	8E02020-01	Water	5	05/02/18 08:45	05/02/18 16:52
Effluent-Dup	8E02020-02	Water	5	05/02/18 08:46	05/02/18 16:52
Arsenic Total EPA 200.7					
Effluent	8E02020-01	Water	5	05/02/18 08:45	05/02/18 16:52
BOD SM5210B					
Effluent	8E02020-01	Water	5	05/02/18 08:45	05/02/18 16:52
Copper Dissolved EPA 200.7					
Effluent	8E02020-01	Water	5	05/02/18 08:45	05/02/18 16:52
Copper Total EPA 200.7					
Effluent	8E02020-01	Water	5	05/02/18 08:45	05/02/18 16:52
Diesel Range Organics 8015M					
Effluent	8E02020-01	Water	5	05/02/18 08:45	05/02/18 16:52
Effluent-Dup	8E02020-02	Water	5	05/02/18 08:46	05/02/18 16:52
HEM Oil and Grease 1664					
Effluent	8E02020-01	Water	5	05/02/18 08:45	05/02/18 16:52

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: A5332558
Date Received: 05/02/18
Date Reported: 05/24/18

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
MBAS SM5540C					
Effluent	8E02020-01	Water	5	05/02/18 08:45	05/02/18 16:52
Phenols 420.1					
Effluent	8E02020-01	Water	5	05/02/18 08:45	05/02/18 16:52
SS SM2540F					
Effluent	8E02020-01	Water	5	05/02/18 08:45	05/02/18 16:52
Sulfide SM4500-S=D					
Effluent	8E02020-01	Water	5	05/02/18 08:45	05/02/18 16:52
TDS SM2540C					
Effluent	8E02020-01	Water	5	05/02/18 08:45	05/02/18 16:52
TSS SM2540D					
Effluent	8E02020-01	Water	5	05/02/18 08:45	05/02/18 16:52
Turbidity 180.1					
Effluent	8E02020-01	Water	5	05/02/18 08:45	05/02/18 16:52

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: A5332558
Date Received: 05/02/18
Date Reported: 05/24/18

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
BOD SM5210B (SM5210B) *									
8E02020-01	Effluent	05/02/18	05/04/18	05/04/18	1	<5.0	mg/L	5	5
HEM Oil and Grease 1664 (EPA 1664)									
8E02020-01	Effluent	05/02/18	05/09/18	05/09/18	1	<5.0	mg/L	5	10
MBAS SM5540C (SM5540C) *									
8E02020-01	Effluent	05/02/18	05/03/18	05/03/18	1	<0.050	mg/L	0.05	0.05
Phenols 420.1 (EPA 420.1) *									
8E02020-01	Effluent	05/02/18	05/04/18	05/04/18	1	<0.15	mg/L	0.15	0.3
SS SM2540F (SM2540F)									
8E02020-01	Effluent	05/02/18	05/03/18	05/03/18	1	<0.100	mL/L	0.1	0.1
Sulfide SM4500-S=D (SM4500-S=D)									
8E02020-01	Effluent	05/02/18	05/07/18	05/07/18	1	<0.027	mg/L	0.027	0.05
TDS SM2540C (SM2540C)									
8E02020-01	Effluent	05/02/18	05/08/18	05/08/18	1	**1300**	mg/L	6.2	10
TSS SM2540D (SM2540D)									
8E02020-01	Effluent	05/02/18	05/07/18	05/07/18	1	**6.0**J	mg/L	5	10
Turbidity 180.1 (EPA 180.1)									
8E02020-01	Effluent	05/02/18	05/03/18	05/03/18	1	**0.69**J	NTU	0.168	1

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: The Source Group, Inc. (SH)
Project No: 04-NDLA-013
Project Name: DFSP Norwalk GWETS NPDES Quarterly
Method: TPHG/BTEX/Oxygenates by GC/MS

AA Project No: A5332558
Date Received: 05/02/18
Date Reported: 05/24/18
Units: ug/L

Date Sampled:	05/02/18	05/02/18		
Date Prepared:	05/08/18	05/08/18		
Date Analyzed:	05/08/18	05/08/18		
AA ID No:	8E02020-01	8E02020-02		
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	108%	113%		70-140
Dibromofluoromethane	138%	137%		70-140
Toluene-d8	99%	101%		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: A5332558
Date Received: 05/02/18
Date Reported: 05/24/18
Units: ug/L

Date Sampled:	05/02/18	05/02/18		
Date Prepared:	05/07/18	05/07/18		
Date Analyzed:	05/08/18	05/08/18		
AA ID No:	8E02020-01	8E02020-02		
Client ID No:	Effluent	Effluent-Dup		
Matrix:	Water	Water		
Dilution Factor:	1	1	MDL	MRL
Diesel Range Organics 8015M (EPA 8015M)				
Diesel Range Organics as Diesel	<60	<60	60	100
Surrogates			**%REC Limits**	
o-Terphenyl	81%	66%	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: A5332558
Date Received: 05/02/18
Date Reported: 05/24/18

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
Copper Dissolved EPA 200.7 (EPA 200.7)									
8E02020-01	Effluent	05/02/18	05/03/18	05/04/18	1	<0.014	mg/L	0.014	0.014

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: Total Metals by ICP Atomic Emission Spectroscopy

AA Project No: A5332558
Date Received: 05/02/18
Date Reported: 05/24/18

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
Arsenic Total EPA 200.7 (EPA 200.7)									
8E02020-01	Effluent	05/02/18	05/03/18	05/04/18	1	<0.0060	mg/L	0.006	0.007
Copper Total EPA 200.7 (EPA 200.7)									
8E02020-01	Effluent	05/02/18	05/03/18	05/04/18	1	<0.014	mg/L	0.014	0.014

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: A5332558
Date Received: 05/02/18
Date Reported: 05/24/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
General Chemistry Analyses - Quality Control										
Batch B8E0311 - NO PREP										
Blank (B8E0311-BLK1)				Prepared & Analyzed: 05/03/18						
Total Settleable Solids	<0.100	0.100	mL/L							
Batch B8E0312 - NO PREP										
Blank (B8E0312-BLK1)				Prepared & Analyzed: 05/03/18						
Turbidity	<0.17	0.17	NTU							
Duplicate (B8E0312-DUP1)		**Source: 8E02020-01**		Prepared & Analyzed: 05/03/18						
Turbidity	**0.660**	0.17	NTU		0.690			4.44	15	J
Batch B8E0823 - NO PREP										
Blank (B8E0823-BLK1)				Prepared & Analyzed: 05/07/18						
Total Suspended Solids	<5.0	5.0	mg/L							
LCS (B8E0823-BS1)				Prepared & Analyzed: 05/07/18						
Total Suspended Solids	**51.0**	5.0	mg/L	50		102	80-120			
LCS Dup (B8E0823-BSD1)				Prepared & Analyzed: 05/07/18						
Total Suspended Solids	**47.0**	5.0	mg/L	50		94.0	80-120	8.16	20	
Duplicate (B8E0823-DUP1)		**Source: 8E02020-01**		Prepared & Analyzed: 05/07/18						
Total Suspended Solids	**6.20**	5.0	mg/L		6.00			3.28	20	J
Batch B8E0824 - NO PREP										
Blank (B8E0824-BLK1)				Prepared & Analyzed: 05/07/18						
Sulfide	<0.027	0.027	mg/L							
LCS (B8E0824-BS1)				Prepared & Analyzed: 05/07/18						
Sulfide	**0.476**	0.027	mg/L	0.50		95.2	80-120		25	
LCS Dup (B8E0824-BSD1)				Prepared & Analyzed: 05/07/18						
Sulfide	**0.476**	0.027	mg/L	0.50		95.2	80-120	0.00	25	
Duplicate (B8E0824-DUP1)		**Source: 8E02020-01**		Prepared & Analyzed: 05/07/18						
Sulfide	**<0.027**	0.027	mg/L		<0.050				25	
Matrix Spike (B8E0824-MS1)		**Source: 8E02020-01**		Prepared & Analyzed: 05/07/18						
Sulfide	**0.495**	0.027	mg/L	0.50	<0.050	99.0	75-125		25	
Matrix Spike Dup (B8E0824-MSD1)		**Source: 8E02020-01**		Prepared & Analyzed: 05/07/18						
Sulfide	**0.528**	0.027	mg/L	0.50	<0.050	106	75-125	6.45	25	
Batch B8E0829 - NO PREP										

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: A5332558
Date Received: 05/02/18
Date Reported: 05/24/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
General Chemistry Analyses - Quality Control										
Batch B8E0829 - NO PREP										
Blank (B8E0829-BLK1)				Prepared & Analyzed: 05/08/18						
Total Dissolved Solids	<6.2	6.2	mg/L							
LCS (B8E0829-BS1)				Prepared & Analyzed: 05/08/18						
Total Dissolved Solids	**590**	6.2	mg/L	500		118	80-120			
LCS Dup (B8E0829-BSD1)				Prepared & Analyzed: 05/08/18						
Total Dissolved Solids	**590**	6.2	mg/L	500		118	80-120	0.00	25	
Duplicate (B8E0829-DUP1)			**Source: 8E03012-01**	Prepared & Analyzed: 05/08/18						
Total Dissolved Solids	**770**	31	mg/L						20	
Batch B8E1007 - NO PREP										
Blank (B8E1007-BLK1)				Prepared & Analyzed: 05/09/18						
HEM (Oil and Grease)	<5.0	5.0	mg/L							
LCS (B8E1007-BS1)				Prepared & Analyzed: 05/09/18						
HEM (Oil and Grease)	**38.3**	5.0	mg/L	40		95.8	75-125			
LCS Dup (B8E1007-BSD1)				Prepared & Analyzed: 05/09/18						
HEM (Oil and Grease)	**35.2**	5.0	mg/L	40		88.0	75-125	8.44	30	
*Batch B8E2410 - *** DEFAULT PREP ****										
Blank (B8E2410-BLK1)				Prepared & Analyzed: 05/04/18						*
Biochemical Oxygen Demand	<5.0	5.0	mg/L							
LCS (B8E2410-BS1)				Prepared & Analyzed: 05/04/18						*
Biochemical Oxygen Demand	**218**	5.0	mg/L	200		110	80-120		15	
LCS Dup (B8E2410-BSD1)				Prepared & Analyzed: 05/04/18						*
Biochemical Oxygen Demand	**198**	5.0	mg/L	200		100	80-120	9.62	15	
Duplicate (B8E2410-DUP1)			**Source: 8E02020-01**	Prepared & Analyzed: 05/04/18						*
Biochemical Oxygen Demand	**<5.0**	5.0	mg/L		<5.0				15	
Batch B8E2411 - NO PREP										
Blank (B8E2411-BLK1)				Prepared & Analyzed: 05/03/18						*
Methylene Blue Active Substances	<0.050	0.050	mg/L							
LCS (B8E2411-BS1)				Prepared & Analyzed: 05/03/18						*
Methylene Blue Active Substances	**0.456**	0.050	mg/L	0.50		91.2	75-125		15	
LCS Dup (B8E2411-BSD1)				Prepared & Analyzed: 05/03/18						*

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: A5332558
Date Received: 05/02/18
Date Reported: 05/24/18

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
General Chemistry Analyses - Quality Control										
Batch B8E2411 - NO PREP										
LCS Dup (B8E2411-BSD1) Continued				Prepared & Analyzed: 05/03/18						*
Methylene Blue Active Substances	**0.432**	0.050	mg/L	0.50		86.4	75-125	5.41	15	
Batch B8E2412 - NO PREP										
Blank (B8E2412-BLK1)				Prepared & Analyzed: 05/04/18						*
Phenolics	<0.15	0.15	mg/L							
LCS (B8E2412-BS1)				Prepared & Analyzed: 05/04/18						*
Phenolics	**0.456**	0.15	mg/L	0.50		91.2	80-120		15	
LCS Dup (B8E2412-BSD1)				Prepared & Analyzed: 05/04/18						*
Phenolics	**0.432**	0.15	mg/L	0.50		86.4	80-120	5.41	15	
Matrix Spike (B8E2412-MS1)		**Source: 8E02020-01**		Prepared & Analyzed: 05/04/18						*
Phenolics	**0.448**	0.15	mg/L	0.50	<0.30	89.6	80-120		15	
Matrix Spike Dup (B8E2412-MSD1)		**Source: 8E02020-01**		Prepared & Analyzed: 05/04/18						*
Phenolics	**0.459**	0.15	mg/L	0.50	<0.30	91.8	80-120	2.43	15	
TPHG/BTEX/Oxygenates by GC/MS - Quality Control										
Batch B8E0818 - EPA 5030B										
Blank (B8E0818-BLK1)				Prepared & Analyzed: 05/08/18						
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	*51.9*		*ug/L*	*50*		*104*	*70-140*			
Surrogate: Dibromofluoromethane	*64.9*		*ug/L*	*50*		*130*	*70-140*			
Surrogate: Toluene-d8	*48.4*		*ug/L*	*50*		*96.9*	*70-140*			
LCS (B8E0818-BS1)				Prepared & Analyzed: 05/08/18						

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: A5332558
Date Received: 05/02/18
Date Reported: 05/24/18

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 B8E0818 - EPA 5030B										
tert-Amyl Methyl Ether (TAME)	**17.4**	0.30	ug/L	20		87.1	70-130			
Benzene	**18.6**	0.20	ug/L	20		92.8	75-125			
tert-Butyl alcohol (TBA)	**88.4**	7.0	ug/L	100		88.4	70-130			
Diisopropyl ether (DIPE)	**19.7**	0.50	ug/L	20		98.6	70-130			
Ethylbenzene	**21.1**	0.20	ug/L	20		106	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**18.8**	0.40	ug/L	20		94.0	70-130			
Gasoline Range Organics (GRO)	**524**	40	ug/L	500		105	70-130			
Methyl-tert-Butyl Ether (MTBE)	**45.5**	0.40	ug/L	40		114	70-135			
Toluene	**18.9**	0.30	ug/L	20		94.6	75-125			
o-Xylene	**19.6**	0.30	ug/L	20		98.0	75-125			
m,p-Xylenes	**39.7**	0.40	ug/L	40		99.2	70-130			
Surrogate: 4-Bromofluorobenzene	*49.1*		*ug/L*	*50*		*98.2*	*70-140*			
Surrogate: Dibromofluoromethane	*53.0*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Toluene-d8	*49.1*		*ug/L*	*50*		*98.1*	*70-140*			
Matrix Spike (B8E0818-MS1)	**Source: 8E04005-02** Prepared & Analyzed: 05/08/18									
tert-Amyl Methyl Ether (TAME)	**15.6**	0.30	ug/L	20		78.0	70-130			
Benzene	**17.4**	0.20	ug/L	20		87.0	70-130			
tert-Butyl alcohol (TBA)	**91.0**	7.0	ug/L	100		91.0	70-130			
Diisopropyl ether (DIPE)	**18.6**	0.50	ug/L	20		93.0	70-130			
Ethylbenzene	**21.5**	0.20	ug/L	20		107	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**17.6**	0.40	ug/L	20		88.0	70-130			
Gasoline Range Organics (GRO)	**ND**	40	ug/L	500			70-130			
Methyl-tert-Butyl Ether (MTBE)	**43.6**	0.40	ug/L	40	4.75	97.1	70-130			
Toluene	**18.4**	0.30	ug/L	20		92.0	70-130			
o-Xylene	**20.1**	0.30	ug/L	20		101	70-130			
m,p-Xylenes	**40.1**	0.40	ug/L	40		100	70-130			
Surrogate: 4-Bromofluorobenzene	*48.8*		*ug/L*	*50*		*97.6*	*70-140*			
Surrogate: Dibromofluoromethane	*48.3*		*ug/L*	*50*		*96.6*	*70-140*			
Surrogate: Toluene-d8	*50.1*		*ug/L*	*50*		*100*	*70-140*			
Matrix Spike Dup (B8E0818-MSD1)	**Source: 8E04005-02** Prepared & Analyzed: 05/08/18									
tert-Amyl Methyl Ether (TAME)	**17.0**	0.30	ug/L	20		84.9	70-130	8.41	30	
Benzene	**17.5**	0.20	ug/L	20		87.7	70-130	0.744	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: A5332558
Date Received: 05/02/18
Date Reported: 05/24/18

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 B8E0818 - EPA 5030B										
Matrix Spike Dup (B8E0818-MSD1) Continued				**Source: 8E04005-02**		Prepared & Analyzed: 05/08/18				
tert-Butyl alcohol (TBA)	**99.3**	7.0	ug/L	100		99.3	70-130	8.70	30	
Diisopropyl ether (DIPE)	**18.8**	0.50	ug/L	20		93.9	70-130	0.963	30	
Ethylbenzene	**21.1**	0.20	ug/L	20		106	70-130	1.55	30	
Ethyl-tert-Butyl Ether (ETBE)	**18.3**	0.40	ug/L	20		91.4	70-130	3.85	30	
Gasoline Range Organics (GRO)	**ND**	40	ug/L	500			70-130		30	
Methyl-tert-Butyl Ether (MTBE)	**47.6**	0.40	ug/L	40	4.75	107	70-130	8.75	30	
Toluene	**18.2**	0.30	ug/L	20		90.8	70-130	1.26	30	
o-Xylene	**19.5**	0.30	ug/L	20		97.4	70-130	3.28	30	
m,p-Xylenes	**39.2**	0.40	ug/L	40		97.9	70-130	2.35	30	
Surrogate: 4-Bromofluorobenzene	*49.2*		*ug/L*	*50*		*98.5*	*70-140*			
Surrogate: Dibromofluoromethane	*48.7*		*ug/L*	*50*		*97.4*	*70-140*			
Surrogate: Toluene-d8	*49.3*		*ug/L*	*50*		*98.6*	*70-140*			
Diesel Range Organics by GC/FID - Quality Control										
Batch B8E0735 - EPA 3510C										
Blank (B8E0735-BLK1)						Prepared: 05/07/18	Analyzed: 05/08/18			
Diesel Range Organics as Diesel	<60	60	ug/L							
Surrogate: o-Terphenyl	*33.1*		*ug/L*	*40*		*82.8*	*50-150*			
LCS (B8E0735-BS1)						Prepared: 05/07/18	Analyzed: 05/08/18			
Diesel Range Organics as Diesel	**600**	60	ug/L	800		75.0	75-125		30	
Surrogate: o-Terphenyl	*30.3*		*ug/L*	*40*		*75.7*	*50-150*			
LCS Dup (B8E0735-BSD1)						Prepared: 05/07/18	Analyzed: 05/08/18			
Diesel Range Organics as Diesel	**620**	60	ug/L	800		77.5	75-125	3.28	30	
Surrogate: o-Terphenyl	*26.3*		*ug/L*	*40*		*65.7*	*50-150*			
Dissolved Metals by ICP Atomic Emission Spectroscopy - Quality Control										
Batch B8E0315 - EPA 3010A										
Blank (B8E0315-BLK1)						Prepared: 05/03/18	Analyzed: 05/04/18			
Copper	<0.014	0.014	mg/L							
LCS (B8E0315-BS1)						Prepared: 05/03/18	Analyzed: 05/04/18			

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: A5332558
Date Received: 05/02/18
Date Reported: 05/24/18

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 B8E0315 - EPA 3010A										
LCS (B8E0315-BS1) Continued				Prepared: 05/03/18 Analyzed: 05/04/18						
Copper	**1.06**	0.014	mg/L	1.0		106	80-120		20	
LCS Dup (B8E0315-BSD1)				Prepared: 05/03/18 Analyzed: 05/04/18						
Copper	**1.05**	0.014	mg/L	1.0		105	80-120	1.32	20	
Matrix Spike (B8E0315-MS1)		**Source: 8E02022-06**		Prepared: 05/03/18 Analyzed: 05/04/18						
Copper	**1.08**	0.014	mg/L	1.0		108	75-125		20	
Matrix Spike Dup (B8E0315-MSD1)		**Source: 8E02022-06**		Prepared: 05/03/18 Analyzed: 05/04/18						
Copper	**1.05**	0.014	mg/L	1.0		105	75-125	2.63	20	
Total Metals by ICP Atomic Emission Spectroscopy - Quality Control										
Batch B8E0314 - EPA 3010A										
Blank (B8E0314-BLK1)				Prepared: 05/03/18 Analyzed: 05/04/18						
Copper	<0.014	0.014	mg/L							
Arsenic	<0.0060	0.0060	mg/L							
LCS (B8E0314-BS1)				Prepared: 05/03/18 Analyzed: 05/04/18						
Copper	**1.06**	0.014	mg/L	1.0		106	80-120		20	
Arsenic	**1.18**	0.0060	mg/L	1.0		118	80-120		20	
LCS Dup (B8E0314-BSD1)				Prepared: 05/03/18 Analyzed: 05/04/18						
Copper	**1.05**	0.014	mg/L	1.0		105	80-120	1.32	20	
Arsenic	**1.11**	0.0060	mg/L	1.0		111	80-120	6.29	20	
Duplicate (B8E0314-DUP1)		**Source: 8E02022-06**		Prepared: 05/03/18 Analyzed: 05/04/18						
Copper	**<0.014**	0.014	mg/L						30	
Arsenic	**<0.0060**	0.0060	mg/L						30	
Matrix Spike (B8E0314-MS1)		**Source: 8E02020-01**		Prepared: 05/03/18 Analyzed: 05/04/18						
Arsenic	**1.00**	0.0060	mg/L	1.0	<0.0070	100	75-125		20	
Copper	**1.07**	0.014	mg/L	1.0	<0.014	107	75-125		20	
Matrix Spike Dup (B8E0314-MSD1)		**Source: 8E02020-01**		Prepared: 05/03/18 Analyzed: 05/04/18						
Copper	**1.04**	0.014	mg/L	1.0	<0.014	104	75-125	2.94	20	
Arsenic	**0.997**	0.0060	mg/L	1.0	<0.0070	99.7	75-125	0.470	20	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332558
Project No:	04-NDLA-013	**Date Received:**	05/02/18
Project Name:	DFSP Norwalk GWETS NPDES Quarterly	**Date Reported:**	05/24/18

Special Notes

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

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

Viorel Vasile
Operations Manager

American Environmental Testing Laboratory Inc.
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

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

Number of Pages 7
Date Received 05/03/2018
Date Reported 05/10/2018

Job Number	Order Date	Client
92506	05/03/2018	AA

Project ID: A5332558/8E02020
Project Name: PO# SUB03537-A5332558

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

AETL

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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

92506

A.A. COC No.: 70051413

Page 1 of 1

Client: AMERICAN ANALYTICS	Project Name / No.: AS332558/8E02020	Sampler's Name:	
Project Manager: Viorel Vasile	Site Address:	Sampler's Signature:	
Phone:	City:	P.O. No.: SUB03537-AS332558	
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	BOD	MBAS	Tot Phenols	Special Instructions
8E02020-01	92506-01	5/2/18	0845	Water	2	x	x	x	by SM 5210B
									SM 5540C
									EPA 420.1
									Normal TAT
									Thank you

For Laboratory Use	Relinquished by	Date	Time	Received by
		5-3-18	10:22	
	Relinquished by	Date	Time	Received by
		5/3/18	1205	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.
2834 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

COOLER RECEIPT FORM

Client Name: American Analytics
Project Name:
AETL Job Number: 92505 & 92506
Date Received: 05/03/18 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: 2.9°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): H2SO4

	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?	X		

Explain all "No" answers for above questions:

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**	**Project ID: A5332558/8E02020** **Date Received 05/03/2018** **Date Reported 05/10/2018**

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

Job Number	Order Date	Client
92506	05/03/2018	AA

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 1 samples with the following specification on 05/03/2018.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
92506.01	8E02020-01	05/02/2018	Aqueous	2

Method ^ Submethod	Req Date	Priority	TAT	Units
420.1	05/10/2018	2	Normal	mg/L
SM-5540C	05/10/2018	2	Normal	mg/L
SM5210B	05/10/2018	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: **A5332558/8E02020**
Project Name: **PO# SUB03537-A5332558**

AETL Job Number	Submitted	Client
92506	05/03/2018	AA

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

QC Batch No: PH050418-1

Our Lab I.D.			Method Blank	**92506.01**			
Client Sample I.D.				8E02020-01			
Date Sampled				**05/02/2018**			
Date Prepared			**05/04/2018**	**05/04/2018**			
Preparation Method			**420.1**	**420.1**			
Date Analyzed			**05/04/2018**	**05/04/2018**			
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

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

Project ID: **A5332558/8E02020**
Project Name: **PO# SUB03537-A5332558**

AETL Job Number	Submitted	Client
92506	05/03/2018	AA

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

QC Batch No: MB050318-1

Our Lab I.D.			Method Blank	92506.01			
Client Sample I.D.				8E02020-01			
Date Sampled				**05/02/2018**			
Date Prepared			**05/03/2018**	**05/03/2018**			
Preparation Method			**SM5540C**	**SM5540C**			
Date Analyzed			**05/03/2018**	**05/03/2018**			
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: **A5332558/8E02020**
Project Name: **PO# SUB03537-A5332558**

AETL Job Number	Submitted	Client
92506	05/03/2018	AA

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

QC Batch No: BO050418-1

Our Lab I.D.			Method Blank	92506.01			
Client Sample I.D.				8E02020-01			
Date Sampled				**05/02/2018**			
Date Prepared			**05/04/2018**	**05/04/2018**			
Preparation Method			**SM5210B**	**SM5210B**			
Date Analyzed			**05/09/2018**	**05/09/2018**			
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

Ordered By

American Analytics
9765 Eton Avenue
Chatsworth, CA 91311-4306

Telephone: (818)998-5547
Attn: Viorel Vasile
Page: **5**

Project ID: **A5332558/8E02020**
Project Name: **PO# SUB03537-A5332558**

AETL Job Number	Submitted	Client
92506	05/03/2018	AA

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

QC Batch No: PH050418-1; Dup or Spiked Sample: 92506.01; LCS: Clean Water; QC Prepared: 05/04/2018; QC Analyzed: 05/04/2018; 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**	**0.448**	**89.6**	**0.500**	**0.459**	**91.8**	**2.4**	**80-120**	**<15**

QC Batch No: PH050418-1; Dup or Spiked Sample: 92506.01; LCS: Clean Water; QC Prepared: 05/04/2018; QC Analyzed: 05/04/2018; 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**	**0.456**	**91.2**	**0.500**	**0.432**	**86.4**	**5.4**	**80-120**	**<20**	

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QUALITY CONTROL RESULTS

Ordered By

American Analytics
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Telephone: (818)998-5547
Attn: Viorel Vasile
Page: **6**

Project ID: **A5332558/8E02020**
Project Name: **PO# SUB03537-A5332558**

AETL Job Number	Submitted	Client
92506	05/03/2018	AA

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

QC Batch No: MB050318-1; Dup or Spiked Sample: 92512.01; LCS: Clean Water; QC Prepared: 05/03/2018; QC Analyzed: 05/03/2018; Units: mg/L

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	
Surfactants (MBAS)	**0.500**	**0.439**	**87.8**	**0.500**	**0.442**	**88.4**	**<1**	**80-120**	**<15**	

QC Batch No: MB050318-1; Dup or Spiked Sample: 92512.01; LCS: Clean Water; QC Prepared: 05/03/2018; QC Analyzed: 05/03/2018; 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**	**0.448**	**89.6**	**0.500**	**0.453**	**90.6**	**1.1**	**80-120**	**<15**	

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QUALITY CONTROL RESULTS

Ordered By

American Analytics
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Telephone: (818)998-5547
Attn: Viorel Vasile
Page: **7**

Project ID: **A5332558/8E02020**
Project Name: **PO# SUB03537-A5332558**

AETL Job Number	Submitted	Client
92506	05/03/2018	AA

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

QC Batch No: BO050418-1; Dup or Spiked Sample: 92506.01; LCS: Clean Water; LCS Prepared: 05/04/2018; LCS Analyzed: 05/09/2018; Units: mg/L

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

QC Batch No: BO050418-1; Dup or Spiked Sample: 92506.01; LCS: Clean Water; LCS Prepared: 05/04/2018; LCS Analyzed: 05/09/2018; 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**	**218**	**110**	**198**	**226**	**114**	**3.6**	**80-120**	**<15**	

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

Data Qualifiers and Descriptors

Data Qualifier:

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

Definition:

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

American Environmental Testing Laboratory Inc.
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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

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

15329

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 /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.	Lab #	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	Methylene Blue Active Substances	Special Instructions
Effluent	8E02020-01	5-2-18	0845	Water	18	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Report J-Flags
Effluent-Dup	-02	5-2-18	0846	Water	4	✓	✓									

PRIORITY
Rush 3H ✓ Hrs
Date 5/2/18 Time 2PM Sign

AS332558/8E02020

Relinquished by	Date	Time	Received by
Glenn Androsko	5-2-18	12:55	
	5/2/18	1652	
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 CHAIN-OF-CUSTODY RECORD

15330

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
(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.	Lab I.D.	Date	Time	Sample Matrix	No. of Cont	6010B Total copper	6010B Diss. Copper	Special Instructions
						Please enter the TAT Turnaround Codes ** below		
Effluent	8E02020-01	5-2-18	0845	Water	2	✓	✓	Report J-Flags

PRIORITY
Rush 24 Hrs 5H ✓
Date 5/2/18 Time 0700 Sign

A5332558/8E02020

Relinquished by	Date	Time	Received by
Glenn Androsko	5-2-18	12:55	
Relinquished by	Date	Time	Received by
	5/2/18	1652	
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

May 29, 2018

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk / 04-NDLA-007

A5332590 / 8E23012

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 05/23/18 20:06 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: May 28, 2018

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

Laboratory No.: A-18052403-001
Project No.: A5332590
Sample ID.: 8E23012-01

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

Date Sampled:	05/23/18
Date Received:	05/24/18
Temp. Received:	5.9°C
Chlorine (TRC):	0.0 mg/l
Date Tested:	05/24/18 to 05/28/18

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
8E23012-01	100% Survival (TUa = 0.0)

Quality Control: Reviewed and approved by:

Joseph A. LeMay
Laboratory Director

FATHEAD MINNOW PERCENT SURVIVAL TEST
EPA Method 2000.0

Aquatic Testing Laboratories

Lab No.: A-18052403-001
Client/ID: American Analytics 8E23012-01 **Start Date: 05/24/2018**

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-180503.

TEST DATA

		°C	DO	pH	# Dead				Analyst & Time of Readings
					A	B	C	D	
INITIAL	Control	20.5	8.4	8.0	0	0	0	0	2 5-24-18
	100%	20.6	6.3	7.3	0	0	0	0	1115
24 Hr	Control	20.6	8.3	7.8	0	0	0	0	
	100%	20.6	8.0	8.3	0	0	0	0	5-25-18 1100
48 Hr	Control	20.7	7.3	7.8	0	0	0	0	
	100%	20.8	6.2	8.0	0	0	0	0	5-26-18 1115
Renewal	Control	20.6	8.4	8.0	0	0	0	0	
	100%	20.6	8.5	8.1	0	0	0	0	5-26-18 1115
72 Hr	Control	20.7	8.1	7.7	0	0	0	0	
	100%	20.8	7.3	7.8	0	0	0	0	5-27-18 1130
96 Hr	Control	20.7	8.0	7.9	0	0	0	0	
	100%	20.8	6.7	7.9	0	0	0	0	5-28-18 1115

Comments:
Sample as received: Chlorine: 0 mg/l; Temp: 5.9 °C; DO: 6.3 mg/l; pH: 7.3 ;
Alkalinity: 571 mg/l; Hardness: 786 mg/l; Conductivity: 2182 umho; NH_3-N: 1.8 mg/l.
Sample aerated moderately (approx. 500 ml/min) to raise or lower DO? Yes / (No)
Control: Alkalinity: 61 mg/l; Hardness: 87 mg/l.; Conductivity: 297 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.: 70051495

Page 1 of 1

Client: AMERICAN ANALYTICS	Project Name / No.: A5332590	Sampler's Name:
Project Manager: Vicrel Vaylo	Site Address:	Sampler's Signature:
Phone:	City:	P.O. No. SVB03564 - A5332590
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	
8E23012-01		5/23/18	1310	Water	1	X	96 hr survival, 96-hr Fathead Minnow EPA-821-R-02-012 Thank you

For Laboratory Use

A.A. Project No.:

	Date	Time	
Relinquished by	5-24-18	1045	Received by
Relinquished by	Date	Time	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-180503

TEST SUMMARY

Species: *Pimephales promelas.*
Age: 13 days old.
Regulations: NPDES.
Test chamber volume: 250 ml.
Feeding: Prior to renewal at 48 hrs.
Temperature: 20 +/- 1°C.
Number of replicates: 2.
Dilution water: MHSF.

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

TEST DATA

Date/Time: / Analyst:	INITIAL			24 Hr					48 Hr				
	5-3-18 1200			5-4-18 1300					5-5-18 1300				
	J			J					J				
	°C	DO	pH	°C	DO	pH	# Dead A	# Dead B	°C	DO	pH	# Dead A	# Dead B
Control	20.5	8.5	8.1	20.2	8.5	8.0	0	0	20.2	8.1	8.0	0	0
1.0 mg/l	20.3	8.6	8.1	20.2	8.6	8.0	0	0	20.1	8.2	8.0	0	0
2.0 mg/l	20.2	8.5	8.1	20.2	8.5	8.0	0	0	20.2	8.1	8.0	0	0
4.0 mg/l	20.2	8.5	8.1	20.2	8.5	8.0	0	0	20.1	8.2	8.0	0	0
8.0 mg/l	20.1	8.6	8.1	20.1	8.5	8.0	10	10	-	-	-	-	-
16.0 mg/l	20.2	8.5	8.1	20.2	8.5	8.0	10	10	-	-	-	-	-

Date/Time: / Analyst:	RENEWAL			72 Hr					96 Hr				
	5-5-18 1300			5-6-18 1245					5-7-18 1300				
	J			J					JM				
	°C	DO	pH	°C	DO	pH	# Dead A	# Dead B	°C	DO	pH	# Dead A	# Dead B
Control	20.2	8.4	8.1	20.1	8.1	8.0	0	0	20.2	8.2	8.0	0	0
1.0 mg/l	20.3	8.4	8.1	20.1	8.1	7.9	0	0	20.2	8.2	8.0	0	0
2.0 mg/l	20.2	8.5	8.1	20.2	8.1	7.9	0	0	20.2	8.1	8.0	0	0
4.0 mg/l	20.3	8.4	8.2	20.1	8.0	7.9	0	0	20.2	8.0	7.9	0	0
8.0 mg/l	-	-	-	-	-	-	-	-	-	-	-	-	-
16.0 mg/l	-	-	-	-	-	-	-	-	-	-	-	-	-

Comments: Control: Alkalinity: 60 mg/l; Hardness: 89 mg/l; Conductivity: 310 umho.
SDS: Alkalinity: 60 mg/l; Hardness: 86 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:	5/3/2018 13:00	Test ID:	RT180503	Sample ID:	REF-Ref Toxicant
End Date:	5/7/2018 13:00	Lab ID:	CAATL-Aquatic Testing Labs	Sample Type:	SDS-Sodium dodecyl sulfate
Sample Date:	5/3/2018	Protocol:	EPAAW02-EPA/821/R-02-01	Test Species:	PP-Pimephales promelas
Comments:					

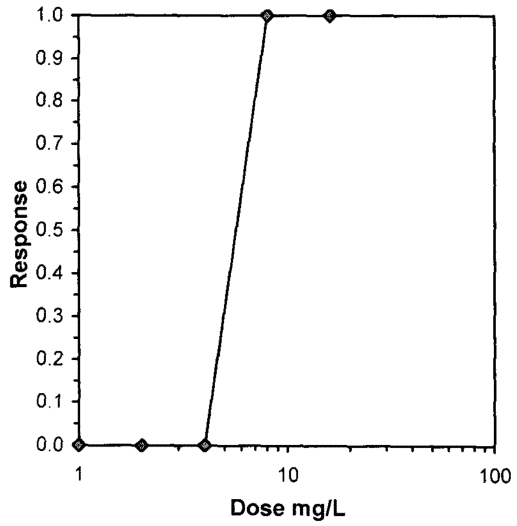
Conc-mg/L	1	2
D-Control	1.0000	1.0000
1	1.0000	1.0000
2	1.0000	1.0000
4	1.0000	1.0000
8	0.0000	0.0000
16	0.0000	0.0000

			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				

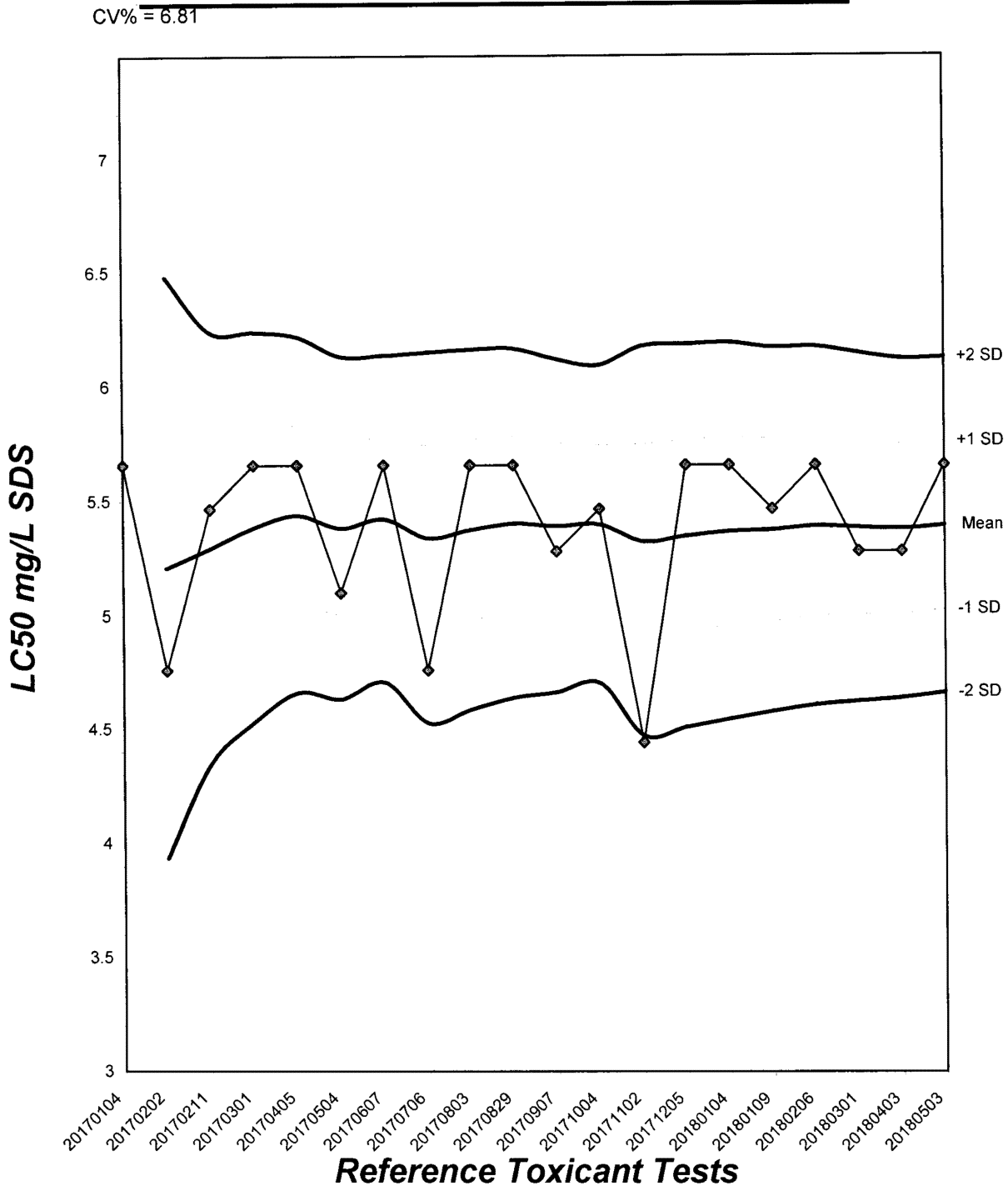
Graphical Method

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-180503

SOURCE: In-Lab Culture

DATE HATCHED: 4-20-18

APPROXIMATE QUANTITY: 400

GENERAL APPEARANCE: good

MORTALITIES 48 HOURS PRIOR TO TO USE IN TESTING: 0

DATE USED IN LAB: 5 / 3 / 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.: 20-5 °C pH: 8.1 Ammonia: <0.1 mg/l NH_3-N

DO: 8.5 mg/l Alkalinity: 60 mg/l Hardness: 89 mg/l

READINGS RECORDED BY: [signature] DATE: 5-4-18

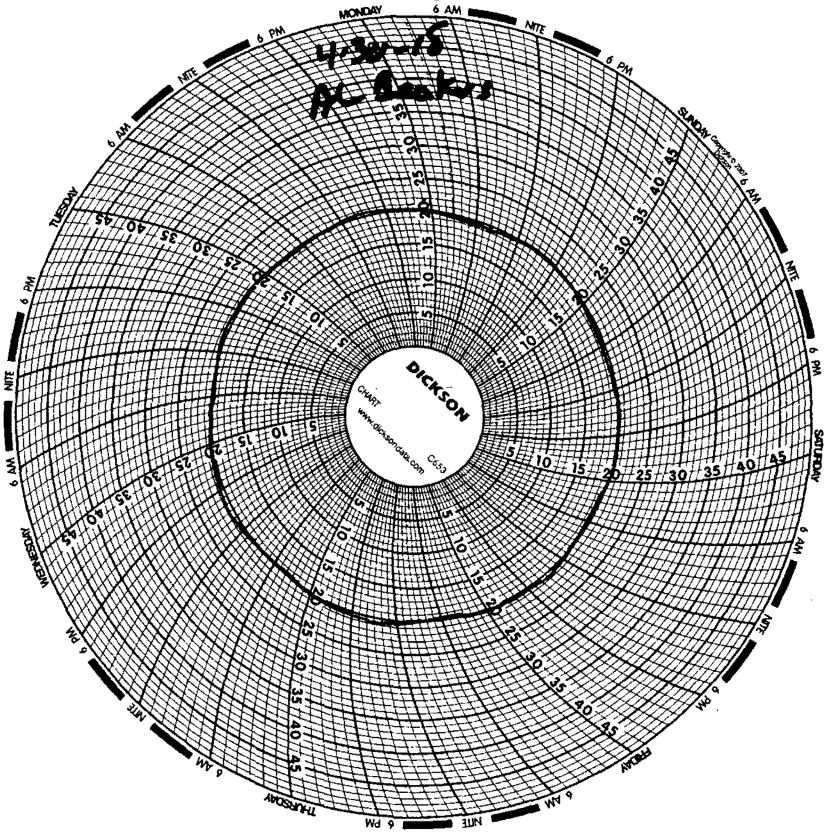
Aquatic Testing Laboratories

Test Temperature Chart

Test No: RT-180504

Date Tested: 05/03/18 to 05/07/18

Acceptable Range: 20 +/- 1°C



AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

15554

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	**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.	Lab I.D.	Date	Time	Sample Matrix	No. of Cont	TPHd 8015M	TPHg/MTBE/TBA 8260B	Arsenic 200.7	Fish Toxicity	Special Instructions
Effluent	8E23012-01	5-23-18	1310	Water	1			✓		Report J-Flags

REVIEWED
Date 5/24/18 Time JCSS
TAT 10 Days Signature

AS332590/8E23012

Relinquished by	Date	Time	Received by
Glenn Androsko	5-23-18	1410	
Relinquished by	Date	Time	Received by
	5-23-18	806	
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

June 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

A5332614 / 8F04012

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 06/04/18 16:26 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

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

AA Project No: A5332614
Date Received: 06/04/18
Date Reported: 06/26/18

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B TPHGASOLINEBTEXOXY					
Effluent	8F04012-01	Water	5	06/04/18 11:57	06/04/18 16:26
Arsenic Total EPA 200.7					
Effluent	8F04012-01	Water	5	06/04/18 11:57	06/04/18 16:26
Diesel Range Organics 8015M					
Effluent	8F04012-01	Water	5	06/04/18 11:57	06/04/18 16:26

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332614
Project No:	04-NDLA-013	**Date Received:**	06/04/18
Project Name:	DFSP Norwalk GWETS NPDES Monthly	**Date Reported:**	06/26/18
Method:	TPHG/BTEX/Oxygenates by GC/MS	**Units:**	ug/L

Date Sampled:	06/04/18		
Date Prepared:	06/14/18		
Date Analyzed:	06/14/18		
AA ID No:	8F04012-01		
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	133%	70-140
Dibromofluoromethane	99%	70-140
Toluene-d8	119%	70-140

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332614
Project No:	04-NDLA-013	**Date Received:**	06/04/18
Project Name:	DFSP Norwalk GWETS NPDES Monthly	**Date Reported:**	06/26/18
Method:	Diesel Range Organics by GC/FID	**Units:**	ug/L

Date Sampled:	06/04/18		
Date Prepared:	06/06/18		
Date Analyzed:	06/15/18		
AA ID No:	8F04012-01		
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	55%	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: A5332614
Date Received: 06/04/18
Date Reported: 06/26/18

AA I.D. No.	Client I.D. No.	Sampled	Prepared	Analyzed	Dilution	Result	Units	MDL	MRL
Arsenic Total EPA 200.7 (EPA 200.7)									
8F04012-01	Effluent	06/04/18	06/06/18	06/08/18	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: A5332614
Date Received: 06/04/18
Date Reported: 06/26/18

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 B8F1402 - EPA 5030B										
Blank (B8F1402-BLK1)				Prepared & Analyzed: 06/14/18						
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	*63.6*		*ug/L*	*50*		*127*	*70-140*			
Surrogate: Dibromofluoromethane	*46.3*		*ug/L*	*50*		*92.6*	*70-140*			
Surrogate: Toluene-d8	*58.2*		*ug/L*	*50*		*116*	*70-140*			
LCS (B8F1402-BS1)				Prepared & Analyzed: 06/14/18						
tert-Amyl Methyl Ether (TAME)	**18.1**	0.30	ug/L	20		90.4	70-130			
Benzene	**19.8**	0.20	ug/L	20		99.2	75-125			
tert-Butyl alcohol (TBA)	**108**	7.0	ug/L	100		108	70-130			
Diisopropyl ether (DIPE)	**20.3**	0.50	ug/L	20		101	70-130			
Ethylbenzene	**23.2**	0.20	ug/L	20		116	75-125			
Ethyl-tert-Butyl Ether (ETBE)	**20.2**	0.40	ug/L	20		101	70-130			
Gasoline Range Organics (GRO)	**578**	40	ug/L	500		116	70-130			
Methyl-tert-Butyl Ether (MTBE)	**46.4**	0.40	ug/L	40		116	70-135			
Toluene	**23.4**	0.30	ug/L	20		117	75-125			
o-Xylene	**18.6**	0.30	ug/L	20		92.8	75-125			
m,p-Xylenes	**38.3**	0.40	ug/L	40		95.8	70-130			
Surrogate: 4-Bromofluorobenzene	*53.3*		*ug/L*	*50*		*107*	*70-140*			
Surrogate: Dibromofluoromethane	*43.0*		*ug/L*	*50*		*86.0*	*70-140*			
Surrogate: Toluene-d8	*61.3*		*ug/L*	*50*		*123*	*70-140*			
Matrix Spike (B8F1402-MS1)				**Source: 8F04012-01** Prepared & Analyzed: 06/14/18						

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: A5332614
Date Received: 06/04/18
Date Reported: 06/26/18

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 B8F1402 - EPA 5030B										
Matrix Spike (B8F1402-MS1) Continued	**Source: 8F04012-01**			Prepared & Analyzed: 06/14/18						
tert-Amyl Methyl Ether (TAME)	**19.5**	0.30	ug/L	20		97.6	70-130			
Benzene	**20.7**	0.20	ug/L	20		104	70-130			
tert-Butyl alcohol (TBA)	**110**	7.0	ug/L	100	<10	110	70-130			
Diisopropyl ether (DIPE)	**21.8**	0.50	ug/L	20		109	70-130			
Ethylbenzene	**21.6**	0.20	ug/L	20		108	70-130			
Ethyl-tert-Butyl Ether (ETBE)	**21.4**	0.40	ug/L	20		107	70-130			
Methyl-tert-Butyl Ether (MTBE)	**50.8**	0.40	ug/L	40	<2.0	127	70-130			
Toluene	**21.6**	0.30	ug/L	20		108	70-130			
o-Xylene	**16.6**	0.30	ug/L	20		82.8	70-130			
m,p-Xylenes	**36.0**	0.40	ug/L	40		89.9	70-130			
Surrogate: 4-Bromofluorobenzene	*58.6*		*ug/L*	*50*		*117*	*70-140*			
Surrogate: Dibromofluoromethane	*47.2*		*ug/L*	*50*		*94.4*	*70-140*			
Surrogate: Toluene-d8	*57.9*		*ug/L*	*50*		*116*	*70-140*			
Matrix Spike Dup (B8F1402-MSD1)	**Source: 8F04012-01**			Prepared & Analyzed: 06/14/18						
tert-Amyl Methyl Ether (TAME)	**19.4**	0.30	ug/L	20		97.2	70-130	0.462	30	
Benzene	**19.9**	0.20	ug/L	20		99.4	70-130	4.14	30	
tert-Butyl alcohol (TBA)	**118**	7.0	ug/L	100	<10	118	70-130	6.55	30	
Diisopropyl ether (DIPE)	**22.9**	0.50	ug/L	20		115	70-130	5.05	30	
Ethylbenzene	**21.3**	0.20	ug/L	20		107	70-130	1.54	30	
Ethyl-tert-Butyl Ether (ETBE)	**22.1**	0.40	ug/L	20		110	70-130	3.04	30	
Methyl-tert-Butyl Ether (MTBE)	**49.9**	0.40	ug/L	40	<2.0	125	70-130	1.63	30	
Toluene	**19.2**	0.30	ug/L	20		96.0	70-130	11.7	30	
o-Xylene	**16.9**	0.30	ug/L	20		84.4	70-130	2.03	30	
m,p-Xylenes	**35.2**	0.40	ug/L	40		88.1	70-130	2.02	30	
Surrogate: 4-Bromofluorobenzene	*53.2*		*ug/L*	*50*		*106*	*70-140*			
Surrogate: Dibromofluoromethane	*45.6*		*ug/L*	*50*		*91.2*	*70-140*			
Surrogate: Toluene-d8	*55.9*		*ug/L*	*50*		*112*	*70-140*			
Diesel Range Organics by GC/FID - Quality Control										
Batch B8F0622 - EPA 3510C										
Blank (B8F0622-BLK1)				Prepared: 06/06/18 Analyzed: 06/15/18						

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: A5332614
Date Received: 06/04/18
Date Reported: 06/26/18

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 B8F0622 - EPA 3510C										
Blank (B8F0622-BLK1) Continued				Prepared: 06/06/18 Analyzed: 06/15/18						
Diesel Range Organics as Diesel	<60	60	ug/L							
Surrogate: o-Terphenyl	*30.1*		*ug/L*	*40*		*75.3*	*50-150*			
LCS (B8F0622-BS1)				Prepared: 06/06/18 Analyzed: 06/15/18						
Diesel Range Organics as Diesel	**575**	60	ug/L	800		71.9	75-125		30	***
Surrogate: o-Terphenyl	*20.1*		*ug/L*	*40*		*50.2*	*50-150*			
Total Metals by ICP Atomic Emission Spectroscopy - Quality Control										
Batch B8F0626 - EPA 200.7										
Blank (B8F0626-BLK1)				Prepared: 06/06/18 Analyzed: 06/08/18						
Arsenic	<0.0060	0.0060	mg/L							
LCS (B8F0626-BS1)				Prepared: 06/06/18 Analyzed: 06/08/18						
Arsenic	**1.08**	0.0060	mg/L	1.0		108	80-120		20	
LCS Dup (B8F0626-BSD1)				Prepared: 06/06/18 Analyzed: 06/08/18						
Arsenic	**1.07**	0.0060	mg/L	1.0		107	80-120	0.560	20	
Duplicate (B8F0626-DUP1)			**Source: 8F04012-01**	Prepared: 06/06/18 Analyzed: 06/08/18						
Arsenic	**<0.0060**	0.0060	mg/L		<0.0070				30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	The Source Group, Inc. (SH)	**AA Project No:**	A5332614
Project No:	04-NDLA-013	**Date Received:**	06/04/18
Project Name:	DFSP Norwalk GWETS NPDES Monthly	**Date Reported:**	06/26/18

Special Notes

[1] = ******* : Exceeds lower control limit.

Viorel Vasile
Operations Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

15647

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
(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	8F04012-01	6-4-18	1157	Water	5	✓	✓	✓	Report J-Flags

REVIEWED
Date 6/4/18 Time 1700
TAT N Days Sign

A5332614/8F04012

Relinquished by	Date	Time	Received by
Glenn Androsko	6-4-18		
	6-4-18	1826	

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

June 12, 2018

Neil Irish

The Source Group, Inc. (SH)

1962 Freeman Ave.

Signal Hill, CA 90755

Re : DFSP Norwalk / 04-NDLA-007

A5332615 / 8F04013

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 06/04/18 16:26 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY 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: June 10, 2018

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

Laboratory No.: A-18060501-001
Project No.: A5332615
Sample ID.: 8F04013-01

Sample Control: The sample was received by ATL chilled, within the recommended hold time and with the chain of custody record attached.

Date Sampled:	06/04/18
Date Received:	06/05/18
Temp. Received:	2.7°C
Chlorine (TRC):	0.0 mg/l
Date Tested:	06/05/18 to 06/09/18

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
8F04013-01	100% Survival (TUa = 0.0)

Quality Control: Reviewed and approved by:

Joseph A. LeMay
Laboratory Director

FATHEAD MINNOW PERCENT SURVIVAL TEST
EPA Method 2000.0

Aquatic Testing Laboratories

Lab No.: A-18060501-001
Client/ID: American Analytics 8F04013-01

Start Date: 06/05/2018

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-180605.

TEST DATA

		°C	DO	pH	# Dead				Analyst & Time of Readings
					A	B	C	D	
INITIAL	Control	20.5	8.9	8.1	0	0	0	0	6-5-18
	100%	20.5	6.5	7.4	0	0	0	0	1115
24 Hr	Control	20.3	8.4	7.9	0	0	0	0	6-6-18
	100%	20.3	7.5	8.1	0	0	0	0	1100
48 Hr	Control	20.4	8.4	7.9	0	0	0	0	6-7-18
	100%	20.5	7.7	8.0	0	0	0	0	1100
Renewal	Control	20.3	8.4	8.0	0	0	0	0	6-7-18
	100%	20.3	8.5	7.9	0	0	0	0	1100
72 Hr	Control	20.2	7.8	7.9	0	0	0	0	6-8-18
	100%	20.3	7.0	7.9	0	0	0	0	1100
96 Hr	Control	20.4	7.8	7.9	0	0	0	0	6-9-18
	100%	20.5	7.4	8.1	0	0	0	0	1115

Comments:
Sample as received: Chlorine: 0 mg/l; Temp: 20.7 °C; DO: 6.3 mg/l; pH: 7.4;
Alkalinity: 523 mg/l; Hardness: 740 mg/l; Conductivity: 1956 umho; NH_3-N: 1.8 mg/l.
Sample aerated moderately (approx. 500 ml/min) to raise or lower DO? Yes / (No)
Control: Alkalinity: 60 mg/l; Hardness: 86 mg/l.; Conductivity: 303 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.: 70051499

Page 1 of 1

Client: AMERICAN ANALYTICS | Project Name / No.: AS332615 / 8F04013 | Sampler's Name:

Project Manager: Vidal Varela | Site Address: | Sampler's Signature:

Phone: | City: | P.O. No.: SUB03569-AS332615

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
8F04013-01		6/4/18	1057	Water	1	X									96hr % Survival Fathead Minnow EPA-821-R02-012 Thank ya

For Laboratory Use

2.7°C

A.A. Project No.:

	Date	Time	
Relinquished by	6-5-18	915	Received by
Relinquished by	Date	Time	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-180605

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:	6-5-18 1130			6-6-18 1100					6-7-18 1100				
Analyst:	J			J					J				
	°C	DO	pH	°C	DO	pH	# Dead A	# Dead B	°C	DO	pH	# Dead A	# Dead B
Control	20.5	8.7	8.1	20.3	8.3	8.0	0	0	20.5	8.1	8.0	0	0
1.0 mg/l	20.6	8.8	8.1	20.3	8.2	7.9	0	0	20.4	8.0	7.9	0	0
2.0 mg/l	20.6	8.4	8.1	20.3	8.0	7.9	0	0	20.5	7.9	7.9	0	0
4.0 mg/l	20.6	8.8	8.1	20.3	8.1	7.9	0	0	20.5	7.9	7.9	0	0
8.0 mg/l	20.5	8.9	8.1	20.3	8.0	7.9	10	10	–	–	–	–	–
16.0 mg/l	20.6	8.9	8.1	20.3	7.6	7.8	10	10	–	–	–	–	–

	RENEWAL			72 Hr					96 Hr				
Date/Time:	6-7-18 1100			6-8-18 1100					6-9-18 1130				
Analyst:	J			J					J				
	°C	DO	pH	°C	DO	pH	# Dead A	# Dead B	°C	DO	pH	# Dead A	# Dead B
Control	20.3	8.4	8.0	20.4	7.1	7.8	0	0	20.5	7.1	7.8	0	0
1.0 mg/l	20.2	8.5	8.0	20.6	7.1	7.8	0	0	20.6	7.1	7.9	0	0
2.0 mg/l	20.3	8.3	8.0	20.5	7.4	7.9	0	0	20.5	7.2	7.8	0	0
4.0 mg/l	20.1	8.4	8.0	20.5	7.2	7.9	0	0	20.6	7.3	7.9	0	0
8.0 mg/l	–	–	–	–	–	–	–	–	–	–	–	–	–
16.0 mg/l	–	–	–	–	–	–	–	–	–	–	–	–	–

Comments: Control: Alkalinity: 60 mg/l; Hardness: 86 mg/l; Conductivity: 307 umho.
SDS: Alkalinity: 61 mg/l; Hardness: 87 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:	6/5/2018 11:30	Test ID:	RT180605	Sample ID:	REF-Ref Toxicant
End Date:	6/9/2018 11:30	Lab ID:	CAATL-Aquatic Testing Labs	Sample Type:	SDS-Sodium dodecyl sulfate
Sample Date:	6/5/2018	Protocol:	EPAAW02-EPA/821/R-02-01	Test Species:	PP-Pimephales promelas
Comments:					

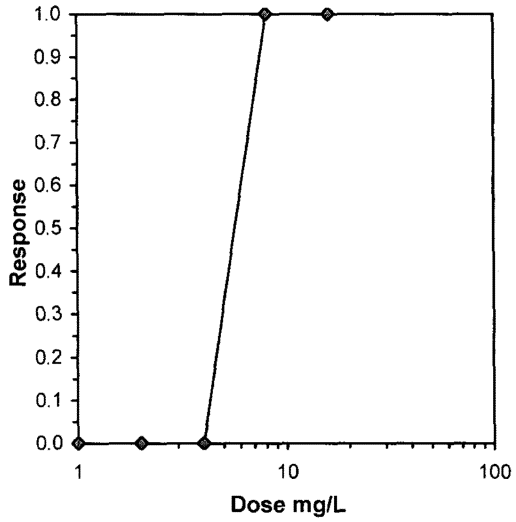
Conc-mg/L	1	2
D-Control	1.0000	1.0000
1	1.0000	1.0000
2	1.0000	1.0000
4	1.0000	1.0000
8	0.0000	0.0000
16	0.0000	0.0000

			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				

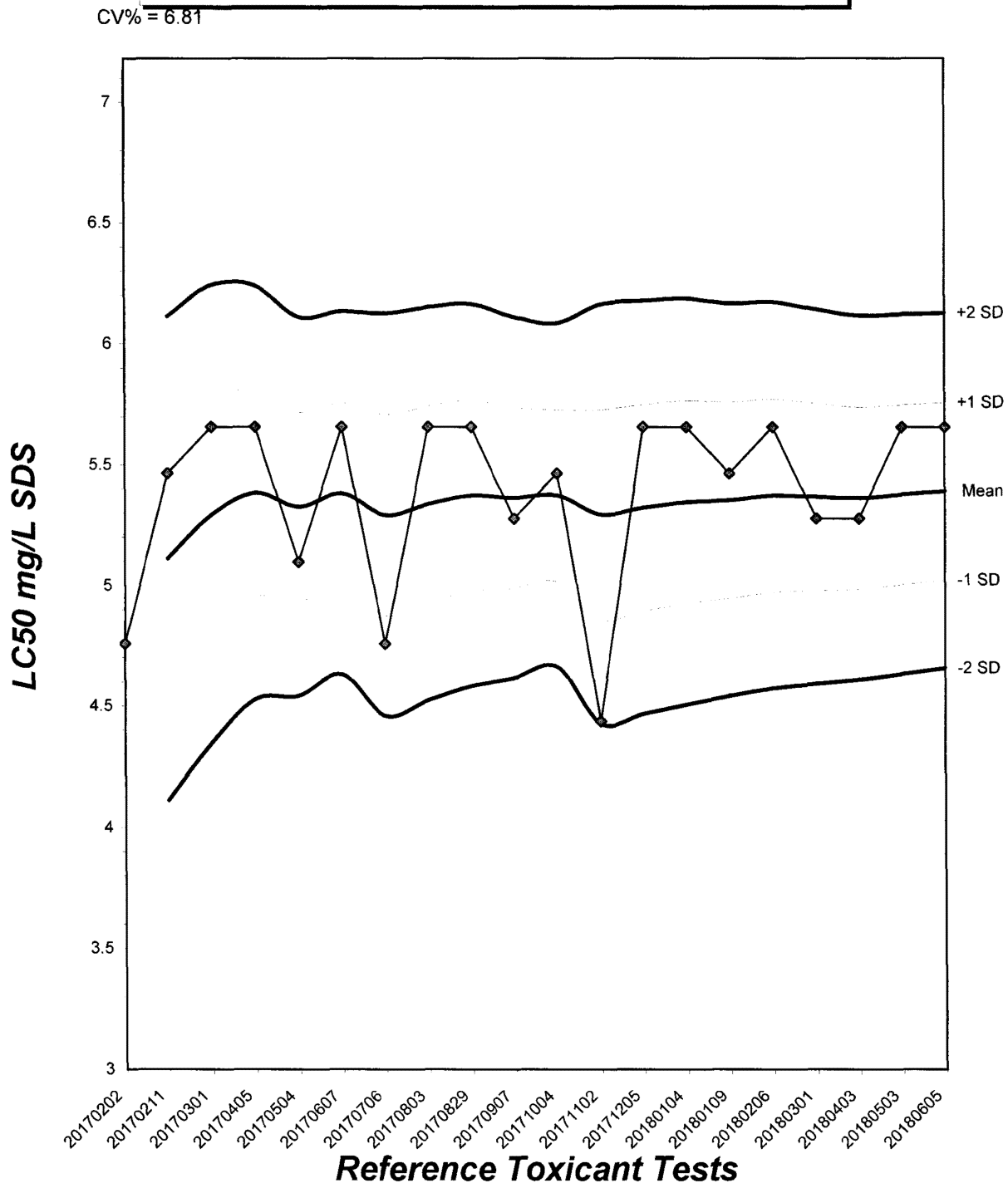
Graphical Method

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-180605

SOURCE: In-Lab Culture

DATE HATCHED: 5-22-18

APPROXIMATE QUANTITY: 400

GENERAL APPEARANCE: good

MORTALITIES 48 HOURS PRIOR TO TO USE IN TESTING: 0

DATE USED IN LAB: 6/5/18

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.: 20.5 °C pH: 8.1 Ammonia: 0 mg/l NH_3-N

DO: 8.7 mg/l Alkalinity: 60 mg/l Hardness: 86 mg/l

READINGS RECORDED BY: JH DATE: 6-6-18

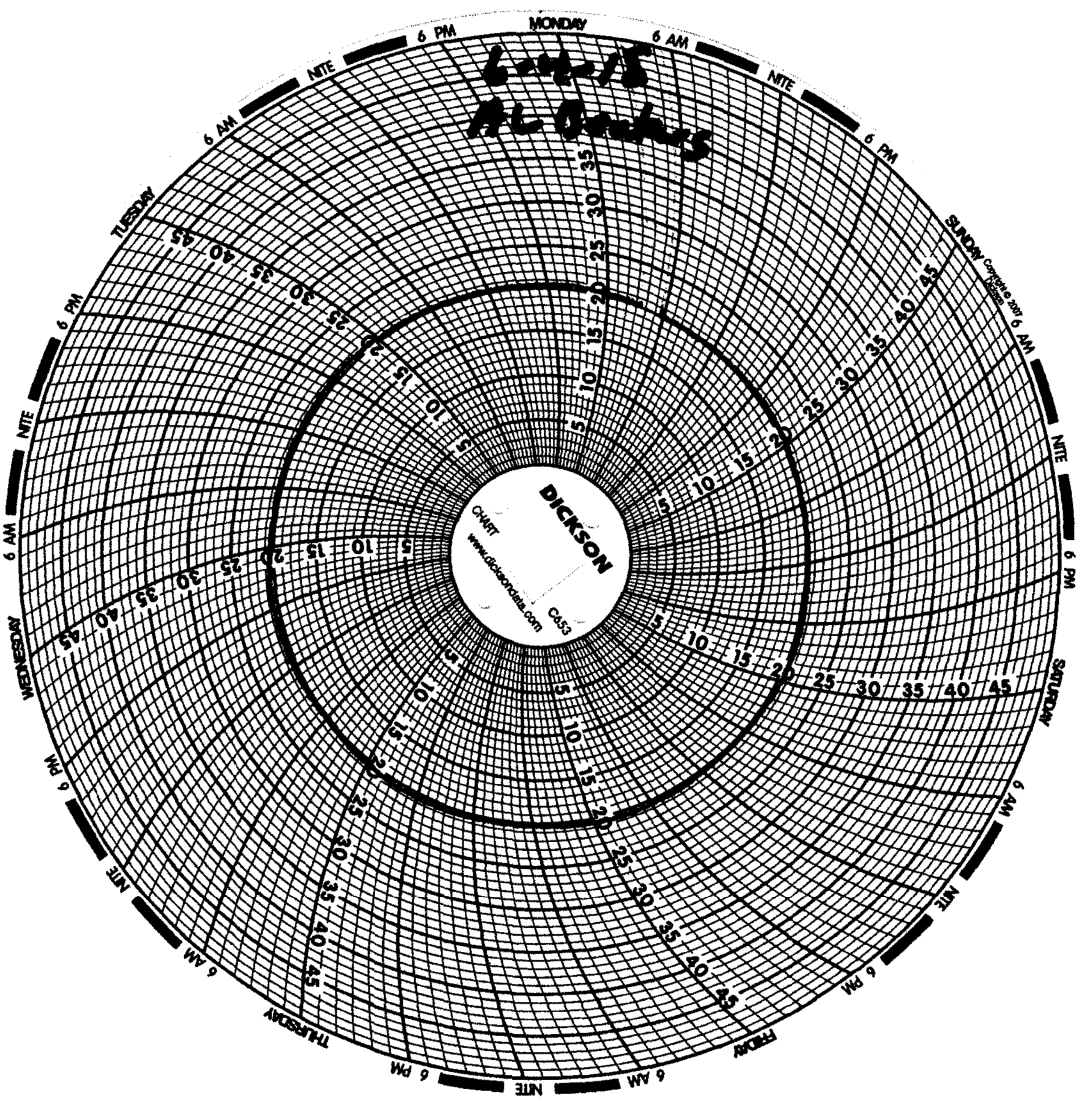
Aquatic Testing Laboratories

Test Temperature Chart

Test No: RT-180605

Date Tested: 06/05/18 to 06/09/18

Acceptable Range: 20 +/- 1°C



AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

15648

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	**Sampler's Name:** Glenn Andrusko
Project Manager: Neil Irish	**Site Address:** 15306 Norwalk Blvd	**Sampler's Signature:** Glenn Andrusko
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	Fish Toxicity	Special Instructions
Effluent	8F04013-01	6-4-18	1057	Water	1			✓		Report J-Flags

REVIEWED
Date 6/4/18 Time 1700
By [signature]
TAT N Days Sign

AS332615/8F04013

Relinquished by	Date	Time	Received by
Glenn Andrusko	6-4-18		[signature]
[signature]	6-4-18	1720	[signature]
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.

APPENDIX B

Laboratory ELAP Certification

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

Interim

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: **3/31/2019**

Effective Date: **4/1/2018**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

APPENDIX C

Report Certification

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

July 5, 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:

In reference to General National Pollutant Discharge Elimination System (NPDES) Permit (NPDES No. CAG994004) CFN# CI-7585, please accept this letter as DLA's certification of the Groundwater Discharge Monitoring Report – Quarter 2 of calendar year 2018 for the Defense Fuel Support Point (DFSP) Norwalk facility in Norwalk, California.

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

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

Sincerely,

William Y Potter

Digitally signed by
POTTER.WILLIAM.Y.1394566272
Date: 2018.07.05 04:16:49 -04'00'

William Y. Potter
Chief, Restoration Branch

Enclosure
As stated

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

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A GEO_REPORT FILE

SUCCESS

Your GEO_REPORT file has been successfully submitted!

Submittal Type:	GEO_REPORT
Report Title:	GROUNDWATER DISCHARGE MONITORING REPORT QUARTER 2, 2018
Report Type:	NPDES / WDR Reports
Report Date:	7/5/2018
Facility Global ID:	SLT43185183
Facility Name:	Norwalk, Fuel Terminal DFSP - DOD - NORWALK DFSP
File Name:	GROUNDWATER DISCHARGE MONITORING REPORT QUARTER 2, 2018.pdf
Organization Name:	The Source Group, Inc.
Username:	SIGNAL HILL
IP Address:	66.214.148.134
Submittal Date/Time:	7/5/2018 12:30:13 PM
Confirmation Number:	4342520594