



SFPP, L.P.
Operating Partnership

November 13, 2013

California Regional Water Quality Control Board
Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, California 90013

Re: Effluent Monitoring Report
July through September 2013
SFPP, L.P.
15306 Norwalk Boulevard, Norwalk, California
(NPDES No. CA0063509, CI No. 7497)

Attention: Information Technology Unit

In reference to the subject National Pollutant Discharge Elimination System (NPDES) permit, please find enclosed the third calendar quarter 2013 self-monitoring report for the subject discharge.

I certify under penalty of law that this document and all documents 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 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 for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Executed on the 13th day of November 2013.
at 4:49 p.m.

A handwritten signature in blue ink, appearing to read 'Stephen Defibaugh', is written over a horizontal line.

_____ (signature)

Stephen T. Defibaugh (printed name)

Remediation Project Manager (title)



CH2M HILL
1000 Wilshire Blvd.
21st Floor
Los Angeles, CA 90017
Tel 213.538.1388
Fax 213.538.1399

November 15, 2013

474934.A1.05

Mr. Stephen Defibaugh
Kinder Morgan Energy Partners, L.P.
1100 Town and Country Road
Orange, California 92868

Subject: Effluent Monitoring Report, July 1 to September 30, 2013 (Third Quarter 2013)
SFPP Norwalk Pump Station, 15306 Norwalk Boulevard, Norwalk, California
(NPDES No. CA0063509, CI No. 7497)

Dear Mr. Defibaugh:

This report has been prepared by CH2M HILL, on behalf of SFPP, L.P. (SFPP), an operating partnership of Kinder Morgan Energy Partners, L.P. (KMEP), to summarize National Pollutant Discharge Elimination System (NPDES) monitoring related to the discharge of treated groundwater from SFPP's product recovery and groundwater extraction (GWE) system. This system is installed at the SFPP Norwalk Pump Station located within the Defense Fuel Support Point Norwalk, at 15306 Norwalk Boulevard, Norwalk, California (the site).

SFPP performed certain operations, maintenance, and monitoring tasks on the product recovery and GWE systems. SFPP retained CH2M HILL to prepare this report based on the NPDES monitoring performed by SFPP. This report describes NPDES monitoring activities during the period of July 1 to September 30, 2013.

Remediation System

The remediation system at the site consists of soil vapor extraction (SVE) and extraction of free product and/or groundwater (total fluids extraction [TFE]) for product recovery, GWE for hydraulic control, and treatment of extracted soil vapors and groundwater. SVE is performed using a blower to remove soil vapors at a rate of up to 3,000 standard cubic feet per minute (scfm) from up to 33 SVE wells. The extracted vapors are conveyed to a knockout tank that separates entrained moisture from the soil vapors. Soil vapors are then treated in a catalytic oxidizer prior to emission to the atmosphere. Operation of the SVE and treatment system is conducted in accordance with Permit to Operate No. F13759 issued by the South Coast Air Quality Management District.

The free product and GWE portion of the system consists of 20 extraction wells located in the south-central part of the site and five extraction wells located in the southeastern part of the site. Six extraction wells in the south-central area (GMW-10, MW-SF-3, MW-SF-6, MW-SF-14, MW-SF-15, and MW-SF-16) and four wells in the southeastern area (GMW-36, GMW-O-15, GMW-O-18, and GMW-SF-9) are currently equipped with pneumatically operated top-loading pumps. The West Side Barrier (WSB) GWE system was shut down in August 2008 based on the reduced lateral extent and low concentrations of volatile organic compounds (VOCs) west of the site.

Free product and groundwater recovered by pneumatically operated top-loading total fluids pumps in the south-central and southeastern parts of the site along with the liquid condensate from the knockout tank are piped to an oil-water separator (OWS). Free product, if any, from the OWS is collected in a storage tank and recycled at an offsite location. Water from the OWS is treated using liquid-phase granular activated carbon (LGAC). Treated water is routed through an onsite 3,000-gallon equalization tank. Two fluidized bed bioreactors (FBBRs) installed downstream of the equalization tank treat fuel oxygenates such as tertiary butyl alcohol (TBA) and methyl tertiary butyl ether (MTBE). The treated groundwater then passes through polishing LGAC units prior to discharge in accordance with the NPDES permit (No. CA0063509, CI No. 7497).

Summary of Quarterly Operations

Approximately 1,517,182 gallons of groundwater were extracted during the third quarter 2013. This total includes groundwater extracted from the south-central and southeastern areas. No water was extracted from the WSB area. Table 1 summarizes the average daily flow rate during the reporting period. Remediation of the south-central and southeastern areas was performed throughout the quarter, with the following exceptions:

- The TFE/GWE system was turned off on July 16, 2013, for an LGAC carbon changeout. The system was restarted the same day.
- The TFE/GWE systems were turned off on September 30, 2013, in preparation for the second semiannual groundwater monitoring event.

Routine Effluent Monitoring

Effluent water samples were collected pursuant to the Waste Discharge Requirements (WDRs) under Order No. R4-2011-0095. Samples were collected at the Order-designated monitoring point EFF-001 (Remediation System Effluent).

Samples were transported to Advanced Technology Laboratories (ATL) in Las Vegas, Nevada, for analysis. ATL is certified by the National Environmental Laboratory Accreditation Program and the California Department of Health Services Environmental Laboratory Accreditation Program. The samples were analyzed in accordance with current United States Environmental Protection Agency (EPA) guidelines or as specified in the WDRs for the site. Analytical results for the monthly and quarterly effluent monitoring are

Mr. Stephen Defibaugh, Kinder Morgan Energy Partners, L.P.

November 15, 2013

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summarized in Table 2. Laboratory analytical reports and chain-of-custody documents are included in Appendix A.

During the initial 2 years of the NPDES permit (July 2011 through June 2013), it was required that remaining priority pollutants be monitored on a quarterly basis. The current reporting period (third quarter 2013) is the first quarter following the end of that requirement. Remaining priority pollutants will now be monitored annually in accordance with the permit. The next planned sampling event for remaining priority pollutants is during routine annual sampling, currently scheduled for December 2013.

Summary of Compliance Results

As shown in Tables 1 and 2, the results of the monthly and quarterly effluent monitoring indicate that all discharge limitations were met during the reporting period.

Waste Hauling

Approximately 2,000 pounds of nonhazardous spent carbon were removed from the site on July 11, 2013, by Prominent Systems Inc. (13095 East Temple Avenue, City of Industry, California, 91746). The waste was transported to California Carbon Company at 2825 East Grant Street, Wilmington, California 90744.

Approximately 1,300 gallons of non-Resource Conservation and Recovery Act (RCRA) hazardous waste liquids were removed from the site on August 29, 2013, by West Coast Environmental. (2650 Lime Avenue, Signal Hill, California, 90755). The waste was transported to Demenno/Kerdoon at 2000 North Alameda Street, Compton, California 90222. Copies of the waste manifests are included in Appendix B.

Should you require any further information, please contact me at (714) 435-6194.

Sincerely,

CH2M HILL, Inc.



Samantha Chen
Project Engineer

Attachments:

Table 1 - Effluent Flow Rate Measurements, Third Quarter 2013

Table 2 - NPDES Effluent Monitoring, Third Quarter 2013

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

Appendix B - Waste Manifests

Tables

TABLE 1

Effluent Flow Rate Measurements¹, Third Quarter 2013

SFPP Norwalk Pump Station, Norwalk, California

Date	Average Flow Rate (gpd) (Maximum Daily Discharge Limit = 150,000 gpd ²)
07/01/13	18,067
07/02/13	27,181
07/03/13	8,963
07/04/13	17,955
07/05/13	17,784
07/06/13	17,827
07/07/13	17,798
07/08/13	17,633
07/09/13	26,659
07/10/13	8,561
07/11/13	22,149
07/12/13	17,164
07/13/13	20,174
07/14/13	16,373
07/15/13	12,822
07/16/13	17,497
07/17/13	11,672
07/18/13	19,150
07/19/13	13,118
07/20/13	11,118
07/21/13	14,360
07/22/13	12,076
07/23/13	17,887
07/24/13	6,193
07/25/13	12,128
07/26/13	18,000
07/27/13	5,993
07/28/13	12,268
07/29/13	8,600
07/30/13	9,843
07/31/13	6,008
08/01/13	8,213
08/02/13	9,545
08/03/13	9,103
08/04/13	12,964
08/05/13	19,287
08/06/13	15,013
08/07/13	7,423
08/08/13	15,121
08/09/13	22,365
08/10/13	6,922
08/11/13	13,583
08/12/13	13,741
08/13/13	204
08/14/13	27,078
08/15/13	16,222
08/16/13	18,105
08/17/13	19,720
08/18/13	19,721
08/19/13	17,803
08/20/13	17,916

TABLE 1

Effluent Flow Rate Measurements¹, Third Quarter 2013

SFPP Norwalk Pump Station, Norwalk, California

Date	Average Flow Rate (gpd) (Maximum Daily Discharge Limit = 150,000 gpd ²)
08/21/13	15,911
08/22/13	13,462
08/23/13	13,245
08/24/13	13,318
08/25/13	13,319
08/26/13	13,214
08/27/13	13,231
08/28/13	15,142
08/29/13	16,546
08/30/13	14,906
08/31/13	16,159
09/01/13	16,605
09/02/13	16,369
09/03/13	16,359
09/04/13	16,430
09/05/13	15,962
09/06/13	16,047
09/07/13	16,071
09/08/13	16,268
09/09/13	16,383
09/10/13	16,254
09/11/13	16,077
09/12/13	18,624
09/13/13	19,319
09/14/13	19,055
09/15/13	21,888
09/16/13	21,847
09/17/13	21,603
09/18/13	21,844
09/19/13	25,986
09/20/13	25,830
09/21/13	26,477
09/22/13	23,174
09/23/13	23,152
09/24/13	22,999
09/25/13	21,971
09/26/13	22,032
09/27/13	21,272
09/28/13	22,703
09/29/13	23,495
09/30/13	23,563

Notes

1. Data reported based on information provided by SFPP, L.P.
2. California Regional Water Quality Control Board Waste Discharge Requirements (WDRs).
gpd = gallons per day

TABLE 2

NPDES Effluent Monitoring, Third Quarter 2013
SFPD Norwalk Pump Station, Norwalk, California

Analyte	Sampling Frequency	Analytical Method	Units	MDL ⁴	RL ⁴	ML ¹	7/2/2013	8/6/2013	9/10/2013	9/20/2013	Discharge Limits ²	
											Monthly Average	Daily Maximum
Temperature	Monthly	--	°F	--	--	NE	80.1	83.8	80.6	--	--	86
Oil and Grease	Monthly	EPA 1664A	mg/L	1.2	4.3	NE	<1.2	<1.2	<1.2	--	10	15
TPH as gas (C4-C12)	Monthly	EPA 8015B	µg/L	8.5	100	NE	<8.5	<8.5	<8.5	--	--	--
TPH as Diesel (C13-C22)	Monthly	EPA 8015B	µg/L	13	51	NE	55	<13	<13	--	--	--
TPH as Oil (C23+)	Monthly	EPA 8015B	µg/L	9.7	51	NE	15 J	10 J	9.6 J	--	--	--
Total TPH	Monthly	EPA 8015B	µg/L	13	100	NE	70 J	10 J	9.6 J	--	NE	100
Settleable Solids	Monthly	SM 2540F	mL/L/hr	1.1	1.1	NE	<0.1	<0.1	<0.1	--	0.1	0.3
Total Suspended Solids	Monthly	SM 2540D	mg/L	5	5	NE	<10	<10	--	<5.0	50	75
Phenolics	Monthly	EPA 420.1	µg/L	150	300	50	<150	<150	<150	--	300	NE
Benzene	Monthly	EPA 8260B	µg/L	0.048	1	2.0	<0.048	<0.048	<0.048	--	1	NE
1,1-Dichloroethane	Monthly	EPA 8260B	µg/L	0.062	0.5	1.0	<0.062	<0.062	<0.062	--	5	NE
1,2-Dichloroethane	Monthly	EPA 8260B	µg/L	0.04	0.5	2.0	<0.044	<0.044	<0.044	--	0.5	NE
Ethylbenzene	Monthly	EPA 8260B	µg/L	0.036	1	2.0	<0.036	<0.036	<0.036	--	10	NE
Toluene	Monthly	EPA 8260B	µg/L	0.034	2	2.0	<0.034	<0.034	<0.034	--	10	NE
Methyl tertiary-butyl ether	Monthly	EPA 8260B	µg/L	0.098	1	NE	0.3 J	<0.098	0.87 J	--	NE	5.0
Tertiary butyl alcohol	Monthly	EPA 8260B	µg/L	1	5	NE	<1.0	<1.0	<1.0	--	NE	150 ³
Total Xylenes	Monthly	EPA 8260B	µg/L	1.5	2	NE	<1.5	<1.5	<1.5	--	10	NE
Copper (total recoverable) (dry weather)	Monthly	EPA 200.8	µg/L	0.14	0.5	0.5	<0.14	<0.14	<0.14	--	16	33
Copper (total recoverable) (wet weather)	Monthly	EPA 200.8	µg/L	0.14	0.5	0.5	<0.14	<0.14	<0.14	--	16	33
Lead (total recoverable) (dry weather)	Monthly	EPA 200.8	µg/L	0.15	0.5	0.5	<0.15	<0.15	<0.15	--	8.2	15
Lead (total recoverable) (wet weather)	Monthly	EPA 200.8	µg/L	0.15	0.5	0.5	<0.15	<0.15	<0.15	--	8.2	15
Mercury (total recoverable)	Monthly	EPA 245.1	µg/L	0.026	0.05	0.2	0.046 J	<0.026	<0.026	--	0.051	0.14
Selenium (total recoverable)	Monthly	EPA 200.8	µg/L	0.084	0.5	2.0	0.11 J	0.11 J	0.13 J	--	3.4	9.2
Thallium (total recoverable)	Monthly	EPA 200.8	µg/L	0.075	0.5	1.0	<0.075	<0.075	<0.075	--	6.3	13
Zinc (total recoverable) (wet weather) ⁵	Monthly	EPA 200.8	µg/L	1.3	10	1.0	17	4 J	2.1 J	--	79	158
Chromium VI	Monthly	EPA 7199	µg/L	0.014	0.2	0.5	0.045 J	0.041 J	<0.014	--	8.1	16
pH	Quarterly	--	s.u.	--	--	NE	--	7	--	--	--	6.5/8.5
Ammonia Nitrogen (as N)	Quarterly	SM 4500 NH3C	mg/L	0.15	0.15	NE	--	<0.15	--	--	NE	NE
Di-isopropyl Ether	Quarterly	EPA 8260B	µg/L	0.038	1	NE	--	<0.038	--	--	NE	NE
Methylene Blue Active Substances	Quarterly	SM 5540C	mg/L	0.05	0.05	NE	--	<0.05	--	--	NE	NE
Tert-amyl-methyl Ether	Quarterly	EPA 8260B	µg/L	0.054	1	NE	--	<0.054	--	--	NE	NE
Turbidity	Quarterly	SM 2130B	NTU	0.1	0.1	NE	--	0.28	--	--	50	75
Methyl ethyl ketone	Quarterly	EPA 8260B	µg/L	0.7	10	NE	--	<0.7	--	--	50	NE
Other Priority Pollutants	Quarterly	--	--	--	--	--	--	--	--	--	NE	NE
BOD	Annually	SM 5210B	mg/L	--	--	NE	--	--	--	--	20	30
Nitrate + Nitrite as N	Annually	EPA 300.0	mg/L	--	--	NE	--	--	--	--	NE	NE
Sulfides	Annually	SM 4500 S2-D	mg/L	--	--	NE	--	--	--	--	NE	NE
TCDD Equivalents	Annually	EPA 8290	pg/L	--	--	NE	--	--	--	--	NE	NE

Notes

- State Water Resources Control Board Policy for the Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California.
 - California Regional Water Quality Control Board Waste Discharge Requirements (WDRs).
 - 150 µg/L discharge limit for tertiary butyl alcohol (TBA) is per Time Schedule Order.
 - The highest MDL and RL during this reporting period is shown.
 - There are no dry weather limitations for zinc.
- = not measured or not analyzed.

Abbreviations

BOD = biological oxygen demand (5 days at 20 degrees Celsius)

° F = degrees Fahrenheit

DNQ = detected, but not quantified. Result is greater than or equal to the laboratory MDL but less than the ML (or RL if no ML is listed).

J = detected at a concentration below the RL and above the MDL. Reported value is estimated.

mg/L = milligrams per liter

µg/L = micrograms per liter

pg/L = picograms per liter

< = not detected above the MDL

MDL = laboratory method detection limit

RL = reporting limit

ML = minimum level. See note 1.

NE = not established

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

July 10, 2013

Daniel Jablonski
CH2M HILL
155 Grand Avenue, Suite 1000
Oakland, CA 94612
TEL: (213)228-8271
FAX: (510) 622-9129

CA-ELAP No.:2676
NV Cert. No.:NV-009222007A

Workorder No.: N010510

RE: SFPP - Norwalk Site

Attention: Daniel Jablonski

Enclosed are the results for sample(s) received on July 03, 2013 by Advanced Technology Laboratories, Inc. . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (702) 307-2659 if I can be of further assistance to your company.

Sincerely,



Jose Tenorio Jr.
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories - Las Vegas.



**Advanced Technology
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

CLIENT: CH2M HILL
Project: SFPP - Norwalk Site
Lab Order: N010510

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

Samples were received intact with proper chain of custody documentation.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Samples were analyzed within method holding time.

Results were J-Flag. "J" is used to flag those results that are between the PQL (Practical Quantitation Limit) and the calculated MDL (Method Detection Limit). Results that are "J" Flagged are estimated values since it becomes difficult to accurately quantitate the analyte near the MDL.

Subcontracted Analyses:

Phenols by EPA 420.1 was subcontracted to AETL-Burbank,CA.



CLIENT: CH2M HILL
Lab Order: N010510
Project: SFPP - Norwalk Site
Lab ID: N010510-001

Client Sample ID: EFF-07-02
Collection Date: 7/2/2013 1:30:00 PM
Matrix: WASTEWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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TOTAL NON-FILTERABLE RESIDUE

SM2540D

RunID: WETCHEM_130703E	QC Batch: 43346				PrepDate: 7/3/2013		Analyst: LCC
Suspended Solids (Residue, Non-Filterable)	ND	10	10		mg/L	1	7/3/2013

SETTLABLE MATTER

SM2540F

RunID: WETCHEM_130703F	QC Batch: R89506				PrepDate:		Analyst: JT
Settleable Matter	ND	0.10	0.10		ml/L	1	7/3/2013

HEXANE EXTRACTABLE MATERIAL (HEM)

EPA 1664 _HEM

RunID: WETCHEM_130703C	QC Batch: 43345				PrepDate: 7/3/2013		Analyst: QBM
Oil & Grease	ND	1.2	4.3		mg/L	1	7/3/2013

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_130704A	QC Batch: P13VW104				PrepDate:		Analyst: QBM
1,1-Dichloroethane	ND	0.062	0.50		ug/L	1	7/4/2013 02:25 PM
1,2-Dichloroethane	ND	0.044	0.50		ug/L	1	7/4/2013 02:25 PM
Benzene	ND	0.048	1.0		ug/L	1	7/4/2013 02:25 PM
Ethylbenzene	ND	0.036	1.0		ug/L	1	7/4/2013 02:25 PM
m,p-Xylene	ND	0.14	1.0		ug/L	1	7/4/2013 02:25 PM
MTBE	0.30	0.098	1.0	J	ug/L	1	7/4/2013 02:25 PM
o-Xylene	ND	0.042	1.0		ug/L	1	7/4/2013 02:25 PM
Tert-Butanol	ND	1.0	5.0		ug/L	1	7/4/2013 02:25 PM
Toluene	ND	0.034	2.0		ug/L	1	7/4/2013 02:25 PM
Xylenes, Total	ND	1.5	2.0		ug/L	1	7/4/2013 02:25 PM
Surr: 1,2-Dichloroethane-d4	101	0	72-119		%REC	1	7/4/2013 02:25 PM
Surr: 4-Bromofluorobenzene	101	0	76-119		%REC	1	7/4/2013 02:25 PM
Surr: Dibromofluoromethane	100	0	85-115		%REC	1	7/4/2013 02:25 PM
Surr: Toluene-d8	102	0	81-120		%REC	1	7/4/2013 02:25 PM

TPH EXTRACTABLE BY GC/FID

EPA 3510C

EPA 8015B

RunID: GC1_130708A	QC Batch: 43357				PrepDate: 7/3/2013		Analyst: MDM
TPH-Diesel (C13-C22)	55	13	50		ug/L	1	7/8/2013 01:01 PM
TPH-Oil (C23-C36)	15	9.6	50	J	ug/L	1	7/8/2013 01:01 PM
Surr: Octacosane	93.3	0	26-152		%REC	1	7/8/2013 01:01 PM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit S Spike/Surrogate outside of limits due to matrix interference
Results are wet unless otherwise specified DO Surrogate Diluted Out



Advanced Technology Laboratories, Inc.

ANALYTICAL RESULTS

Print Date: 10-Jul-13

CLIENT: CH2M HILL
Lab Order: N010510
Project: SFPP - Norwalk Site
Lab ID: N010510-001

Client Sample ID: EFF-07-02
Collection Date: 7/2/2013 1:30:00 PM
Matrix: WASTEWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC/FID							
EPA 3510C				EPA 8015B			
RunID: GC1_130708A	QC Batch: 43357			PrepDate: 7/3/2013		Analyst: MDM	
Surr: p-Terphenyl	92.2	0	57-132	%REC	1	7/8/2013 01:01 PM	
GASOLINE RANGE ORGANICS BY GC/FID							
EPA 8015B							
RunID: GC4_130703A	QC Batch: E13VW038			PrepDate:		Analyst: QBM	
TPH-Gasoline (C4-C12)	ND	8.5	100	ug/L	1	7/3/2013 01:41 PM	
Surr: Chlorobenzene - d5	117	0	74-138	%REC	1	7/3/2013 01:41 PM	
HEXAVALENT CHROMIUM BY IC							
EPA 7199							
RunID: IC6_130703A	QC Batch: R89479			PrepDate:		Analyst: QBM	
Hexavalent Chromium	0.045	0.014	0.20	J ug/L	1	7/3/2013 10:53 AM	
MERCURY BY COLD VAPOR TECHNIQUE							
EPA 245.1							
RunID: AA1_130708A	QC Batch: 43347			PrepDate: 7/3/2013		Analyst: CEI	
Mercury	0.046	0.026	0.050	J ug/L	1	7/8/2013	
ICP-MS METALS BY COLLISION/REACTION CELL							
EPA 200.8							
RunID: ICP7_130703B	QC Batch: 43350			PrepDate: 7/3/2013		Analyst: CEI	
Selenium	0.11	0.084	0.50	J ug/L	1	7/3/2013 03:24 PM	
ICPMS METALS							
EPA 200.8							
RunID: ICP7_130703B	QC Batch: 43350			PrepDate: 7/3/2013		Analyst: CEI	
Copper	ND	0.14	0.50	ug/L	1	7/3/2013 03:24 PM	
Lead	ND	0.15	0.50	ug/L	1	7/3/2013 03:24 PM	
Thallium	ND	0.075	0.50	ug/L	1	7/3/2013 03:24 PM	
Zinc	17	1.3	10	ug/L	1	7/3/2013 03:24 PM	
TOTAL TPH							
EPA 3510C				EPA 8015B			
RunID: GC1_130708A	QC Batch: 43357			PrepDate: 7/3/2013		Analyst: MDM	
Total TPH	70	13	100	ug/L	1	7/8/2013 01:01 PM	

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit S Spike/Surrogate outside of limits due to matrix interference
Results are wet unless otherwise specified DO Surrogate Diluted Out



**Advanced Technology
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL

Work Order: N010510

Project: SFPP - Norwalk Site

TestCode: 160.2_2540D_W

Sample ID: MB-43346	SampType: MBLK	TestCode: 160.2_2540D_	Units: mg/L	Prep Date: 7/3/2013	RunNo: 89482						
Client ID: PBW	Batch ID: 43346	TestNo: SM2540D		Analysis Date: 7/3/2013	SeqNo: 1605914						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter)	ND	10									

Sample ID: LCS-43346	SampType: LCS	TestCode: 160.2_2540D_	Units: mg/L	Prep Date: 7/3/2013	RunNo: 89482						
Client ID: LCSW	Batch ID: 43346	TestNo: SM2540D		Analysis Date: 7/3/2013	SeqNo: 1605915						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter)	954.000	10	1000	0	95.4	80	120				

Sample ID: N010510-001EDUP	SampType: DUP	TestCode: 160.2_2540D_	Units: mg/L	Prep Date: 7/3/2013	RunNo: 89482						
Client ID: ZZZZZ	Batch ID: 43346	TestNo: SM2540D		Analysis Date: 7/3/2013	SeqNo: 1605917						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter)	ND	10							0	0	5

Qualifiers:

- B Analyte detected in the associated Method Blank
 - E Value above quantitation range
 - J Analyte detected below quantitation limits
 - ND Not Detected at the Reporting Limit
 - S Spike/Surrogate outside of limits due to matrix interference
 - DO Surrogate Diluted Out
 - H Holding times for preparation or analysis exceeded
 - R RPD outside accepted recovery limits
- Calculations are based on raw values

CLIENT: CH2M HILL
Work Order: N010510
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 160.5_2540F_W

Sample ID: MB-R89506	SampType: MBLK	TestCode: 160.5_2540F_	Units: m/L	Prep Date:	RunNo: 89506						
Client ID: PBW	Batch ID: R89506	TestNo: SM2540F		Analysis Date: 7/3/2013	SeqNo: 1608383						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Settleable Matter	ND		0.10								

Qualifiers:

- B Analyte detected in the associated Method Blank
 - J Analyte detected below quantitation limits
 - S Spike/Surrogate outside of limits due to matrix interference
 - E Value above quantitation range
 - ND Not Detected at the Reporting Limit
 - DO Surrogate Diluted Out
 - H Holding times for preparation or analysis exceeded
 - R RPD outside accepted recovery limits
- Calculations are based on raw values

CLIENT: CH2M HILL
Work Order: N010510
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 1664_HEM_W

Sample ID: MB-43345	SampType: MBLK	TestCode: 1664_HEM_W	Units: mg/L	Prep Date: 7/3/2013	RunNo: 89454						
Client ID: PBW	Batch ID: 43345	TestNo: EPA 1664_H		Analysis Date: 7/3/2013	SeqNo: 1603593						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oil & Grease	ND	4.0									

Sample ID: LCS-43345	SampType: LCS	TestCode: 1664_HEM_W	Units: mg/L	Prep Date: 7/3/2013	RunNo: 89454						
Client ID: LCSW	Batch ID: 43345	TestNo: EPA 1664_H		Analysis Date: 7/3/2013	SeqNo: 1603594						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oil & Grease	35.200	4.0	40.00	0	88.0	78	114				

Sample ID: N010510-001A-MS	SampType: MS	TestCode: 1664_HEM_W	Units: mg/L	Prep Date: 7/3/2013	RunNo: 89454						
Client ID: ZZZZZZ	Batch ID: 43345	TestNo: EPA 1664_H		Analysis Date: 7/3/2013	SeqNo: 1603597						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oil & Grease	37.826	4.3	43.48	0	87.0	78	114				

Sample ID: N010510-001A-MSD	SampType: MSD	TestCode: 1664_HEM_W	Units: mg/L	Prep Date: 7/3/2013	RunNo: 89454						
Client ID: ZZZZZZ	Batch ID: 43345	TestNo: EPA 1664_H		Analysis Date: 7/3/2013	SeqNo: 1603598						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oil & Grease	37.634	4.3	43.01	0	87.5	78	114	37.83	0.508		18

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- Calculations are based on raw values

CLIENT: CH2M HILL
Work Order: N010510
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8_W_DRC

Sample ID: MB-43350	SampType: MBLK	TestCode: 200.8_W_DR	Units: µg/L	Prep Date: 7/3/2013	RunNo: 89459						
Client ID: PBW	Batch ID: 43350	TestNo: EPA 200.8		Analysis Date: 7/3/2013	SeqNo: 1603776						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	ND	0.50									

Sample ID: LCS-43350	SampType: LCS	TestCode: 200.8_W_DR	Units: µg/L	Prep Date: 7/3/2013	RunNo: 89459						
Client ID: LCSW	Batch ID: 43350	TestNo: EPA 200.8		Analysis Date: 7/3/2013	SeqNo: 1603777						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	9.215	0.50	10.00	0	92.2	85	115				

Sample ID: N010519-001B-MS	SampType: MS	TestCode: 200.8_W_DR	Units: µg/L	Prep Date: 7/3/2013	RunNo: 89459						
Client ID: ZZZZZZ	Batch ID: 43350	TestNo: EPA 200.8		Analysis Date: 7/3/2013	SeqNo: 1606716						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	8.509	0.50	10.00	0	85.1	75	125				

Sample ID: N010519-001B-MSD	SampType: MSD	TestCode: 200.8_W_DR	Units: µg/L	Prep Date: 7/3/2013	RunNo: 89459						
Client ID: ZZZZZZ	Batch ID: 43350	TestNo: EPA 200.8		Analysis Date: 7/3/2013	SeqNo: 1606717						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	8.827	0.50	10.00	0	88.3	75	125	8.509	3.66	20	

Qualifiers:

- B Analyte detected in the associated Method Blank
 - E Value above quantitation range
 - H Holding times for preparation or analysis exceeded
 - J Analyte detected below quantitation limits
 - R RPD outside accepted recovery limits
 - S Spike/Surrogate outside of limits due to matrix interference
 - DO Surrogate Diluted Out
 - ND Not Detected at the Reporting Limit
- Calculations are based on raw values

CLIENT: CH2M HILL
Work Order: N010510
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8_W_SFPP

Sample ID: MB-43350	SampType: MBLK	TestCode: 200.8_W_SFPP	Units: µg/L	Prep Date: 7/3/2013	RunNo: 89459						
Client ID: PBW	Batch ID: 43350	TestNo: EPA 200.8		Analysis Date: 7/3/2013	SeqNo: 1603818						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper	ND	0.50									
Lead	ND	0.50									
Selenium	ND	0.50									
Thallium	ND	0.50									
Zinc	ND	10									

Sample ID: LCS-43350	SampType: LCS	TestCode: 200.8_W_SFPP	Units: µg/L	Prep Date: 7/3/2013	RunNo: 89459						
Client ID: LCSW	Batch ID: 43350	TestNo: EPA 200.8		Analysis Date: 7/3/2013	SeqNo: 1603819						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper	9.820	0.50	10.00	0	98.2	85	115				
Lead	9.924	0.50	10.00	0	99.2	85	115				
Selenium	9.215	0.50	10.00	0	92.2	85	115				
Thallium	9.981	0.50	10.00	0	99.8	85	115				
Zinc	98.560	10	100.0	0	98.6	85	115				

Qualifiers:

- B Analyte detected in the associated Method Blank
 - E Value above quantitation range
 - J Analyte detected below quantitation limits
 - ND Not Detected at the Reporting Limit
 - S Spike/Surrogate outside of limits due to matrix interference
 - DO Surrogate Diluted Out
 - H Holding times for preparation or analysis exceeded
 - R RPD outside accepted recovery limits
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CLIENT: CH2M HILL
Work Order: N010510
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 245.1_W_LL

Sample ID: MB-43347	SampType: MBLK	TestCode: 245.1_W_LL	Units: µg/L	Prep Date: 7/3/2013	RunNo: 89472						
Client ID: PBW	Batch ID: 43347	TestNo: EPA 245.1		Analysis Date: 7/8/2013	SeqNo: 1604729						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.047	0.050									J

Sample ID: LCS-43347	SampType: LCS	TestCode: 245.1_W_LL	Units: µg/L	Prep Date: 7/3/2013	RunNo: 89472						
Client ID: LCSW	Batch ID: 43347	TestNo: EPA 245.1		Analysis Date: 7/8/2013	SeqNo: 1604730						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	5.076	0.10	5.000	0	102	85	115				

Sample ID: N010525-008A-MS	SampType: MS	TestCode: 245.1_W_LL	Units: µg/L	Prep Date: 7/3/2013	RunNo: 89472						
Client ID: ZZZZZZ	Batch ID: 43347	TestNo: EPA 245.1		Analysis Date: 7/8/2013	SeqNo: 1604733						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	5.381	0.10	5.000	0.1910	104	75	125				

Sample ID: N010525-008A-MSD	SampType: MSD	TestCode: 245.1_W_LL	Units: µg/L	Prep Date: 7/3/2013	RunNo: 89472						
Client ID: ZZZZZZ	Batch ID: 43347	TestNo: EPA 245.1		Analysis Date: 7/8/2013	SeqNo: 1604734						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	5.432	0.10	5.000	0.1910	105	75	125	5.381	0.933	20	

Qualifiers:

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 - H Holding times for preparation or analysis exceeded
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 - S Spike/Surrogate outside of limits due to matrix interference
 - DO Surrogate Diluted Out
 - ND Not Detected at the Reporting Limit
- Calculations are based on raw values

ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N010510
Project: SFPP - Norwalk Site

TestCode: 7199_WPGE

Sample ID: MB-R89479	SampType: MBLK	TestCode: 7199_WPGE	Units: µg/L	Prep Date:	RunNo: 89479
Client ID: PBW	Batch ID: R89479	TestNo: EPA 7199		Analysis Date: 7/3/2013	SeqNo: 1605598
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Hexavalent Chromium	ND	0.20			
		LowLimit	HighLimit	RPD Ref Val	%RPD
					RPDLimit
					Qual

Sample ID: LCS-R89479	SampType: LCS	TestCode: 7199_WPGE	Units: µg/L	Prep Date:	RunNo: 89479
Client ID: LCSW	Batch ID: R89479	TestNo: EPA 7199		Analysis Date: 7/3/2013	SeqNo: 1605599
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Hexavalent Chromium	4.970	0.20	5.000	0	99.4
		LowLimit	HighLimit	RPD Ref Val	%RPD
					RPDLimit
					Qual

Sample ID: N010510-001IDUP	SampType: DUP	TestCode: 7199_WPGE	Units: µg/L	Prep Date:	RunNo: 89479
Client ID: ZZZZZZ	Batch ID: R89479	TestNo: EPA 7199		Analysis Date: 7/3/2013	SeqNo: 1605601
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Hexavalent Chromium	0.046	0.20			
		LowLimit	HighLimit	RPD Ref Val	%RPD
					RPDLimit
					Qual

Sample ID: N010510-001IMS	SampType: MS	TestCode: 7199_WPGE	Units: µg/L	Prep Date:	RunNo: 89479
Client ID: ZZZZZZ	Batch ID: R89479	TestNo: EPA 7199		Analysis Date: 7/3/2013	SeqNo: 1605602
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Hexavalent Chromium	1.116	0.20	1.000	0.04490	107
		LowLimit	HighLimit	RPD Ref Val	%RPD
					RPDLimit
					Qual

Sample ID: N010510-001IMSD	SampType: MSD	TestCode: 7199_WPGE	Units: µg/L	Prep Date:	RunNo: 89479
Client ID: ZZZZZZ	Batch ID: R89479	TestNo: EPA 7199		Analysis Date: 7/3/2013	SeqNo: 1605603
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Hexavalent Chromium	1.086	0.20	1.000	0.04490	104
		LowLimit	HighLimit	RPD Ref Val	%RPD
					RPDLimit
					Qual

Qualifiers:

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 - J Analyte detected below quantitation limits
 - R RPD outside accepted recovery limits
 - S Spike/Surrogate outside of limits due to matrix interference
 - DO Surrogate Diluted Out
 - ND Not Detected at the Reporting Limit
- Calculations are based on raw values



CLIENT: CH2M HILL
Work Order: N010510
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_FP_SFPP

Sample ID: MB-43357	SampType: MBLK	TestCode: 8015_W_FP_	Units: ug/L	Prep Date: 7/3/2013	RunNo: 89487						
Client ID: PBW	Batch ID: 43357	TestNo: EPA 8015B	EPA 3510C	Analysis Date: 7/8/2013	SeqNo: 1606742						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH-Diesel (C13-C22)	ND	50									
TPH-Oil (C23-C36)	ND	50									
Surr: Octacosane	81.830		80.00		102	26	152				
Surr: p-Terphenyl	80.875		80.00		101	57	132				

Qualifiers:

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 - ND Not Detected at the Reporting Limit
 - S Spike/Surrogate outside of limits due to matrix interference
 - DO Surrogate Diluted Out
 - H Holding times for preparation or analysis exceeded
 - R RPD outside accepted recovery limits
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CLIENT: CH2M HILL
Work Order: N010510
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_SFPPPTOT

Sample ID: MB-43357	SampType: MBLK	TestCode: 8015_W_SFP	Units: ug/L	Prep Date: 7/3/2013	RunNo: 89487						
Client ID: PBW	Batch ID: 43357	TestNo: EPA 8015B	EPA 3510C	Analysis Date: 7/8/2013	SeqNo: 1606744						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total TPH	ND										
											100

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
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ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N010510
Project: SFPP - Norwalk Site

TestCode: 8015GAS_WSFPP

Sample ID: E130703LCS	SampType: LCS	TestCode: 8015GAS_WS	Units: ug/L	Prep Date:	RunNo: 89450						
Client ID: LCSW	Batch ID: E13VW038	TestNo: EPA 8015B		Analysis Date: 7/3/2013	SeqNo: 1604128						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	900.000	100	1000	0	90.0	67	136				
Surr: Chlorobenzene - d5	47964.000		50000		95.9	74	138				

Sample ID: E130703MB1	SampType: MBLK	TestCode: 8015GAS_WS	Units: ug/L	Prep Date:	RunNo: 89450						
Client ID: PBW	Batch ID: E13VW038	TestNo: EPA 8015B		Analysis Date: 7/3/2013	SeqNo: 1604129						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	ND	100									
Surr: Chlorobenzene - d5	51213.000		50000		102	74	138				

Sample ID: N010479-021ADUP	SampType: DUP	TestCode: 8015GAS_WS	Units: ug/L	Prep Date:	RunNo: 89450						
Client ID: ZZZZZ	Batch ID: E13VW038	TestNo: EPA 8015B		Analysis Date: 7/3/2013	SeqNo: 1604131						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	ND	100						0	0	0	0
Surr: Chlorobenzene - d5	56020.000		50000		112	74	138		0	0	0

Sample ID: N010510-001BMS	SampType: MS	TestCode: 8015GAS_WS	Units: ug/L	Prep Date:	RunNo: 89450						
Client ID: ZZZZZ	Batch ID: E13VW038	TestNo: EPA 8015B		Analysis Date: 7/3/2013	SeqNo: 1604133						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	877.000	100	1000	0	87.7	67	136				
Surr: Chlorobenzene - d5	51966.000		50000		104	74	138				

Sample ID: N010510-001BMSD	SampType: MSD	TestCode: 8015GAS_WS	Units: ug/L	Prep Date:	RunNo: 89450						
Client ID: ZZZZZ	Batch ID: E13VW038	TestNo: EPA 8015B		Analysis Date: 7/3/2013	SeqNo: 1604134						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	721.000	100	1000	0	72.1	67	136	877.0	19.5	30	

Qualifiers:

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- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- Calculations are based on raw values

CLIENT: CH2M HILL
Work Order: N010510
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015GAS_WSFPP

Sample ID: N010510-001BMSD	SampType: MSD	TestCode: 8015GAS_WS	Units: ug/L
Client ID: ZZZZZ	Batch ID: E13VW038	TestNo: EPA 8015B	
Analyte	Result	PQL	SPK value
Surr: Chlorobenzene - d5	50433.000		50000
		%REC	LowLimit
		101	74
		HighLimit	RPD Ref Val
		138	0
		%RPD	RPDLimit
		0	0
		Qual	

Prep Date: RunNo: **89450**
 Analysis Date: **7/3/2013** SeqNo: **1604134**

Qualifiers:

- B Analyte detected in the associated Method Blank
 - J Analyte detected below quantitation limits
 - S Spike/Surrogate outside of limits due to matrix interference
 - E Value above quantitation range
 - ND Not Detected at the Reporting Limit
 - DO Surrogate Diluted Out
 - H Holding times for preparation or analysis exceeded
 - R RPD outside accepted recovery limits
- Calculations are based on raw values

ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N010510
Project: SFPP - Norwalk Site

TestCode: 8260_WP_SFPP

Sample ID: P130704LCS	SampType: LCS	TestCode: 8260_WP_SF	Units: ug/L	Prep Date:	RunNo: 89447						
Client ID: LCSW	Batch ID: P13VW104	TestNo: EPA 8260B		Analysis Date: 7/4/2013	SeqNo: 1604677						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	19.970	0.50	20.00	0	99.8	69	133				
1,2-Dichloroethane	19.570	0.50	20.00	0	97.9	69	132				
Benzene	19.690	1.0	20.00	0	98.4	81	122				
Ethylbenzene	19.940	1.0	20.00	0	99.7	73	127				
m,p-Xylene	39.830	1.0	40.00	0	99.6	76	128				
MTBE	18.610	1.0	20.00	0	93.0	65	123				
o-Xylene	19.750	1.0	20.00	0	98.8	80	121				
Tert-Butanol	94.000	5.0	100.0	0	94.0	70	130				
Toluene	19.830	2.0	20.00	0	99.2	77	122				
Xylenes, Total	59.580	2.0	60.00	0	99.3	75	125				
Surr: 1,2-Dichloroethane-d4	24.550		25.00		98.2	72	119				
Surr: 4-Bromofluorobenzene	25.550		25.00		102	76	119				
Surr: Dibromofluoromethane	25.470		25.00		102	85	115				
Surr: Toluene-d8	25.190		25.00		101	81	120				

Sample ID: P130704MB2	SampType: MBLK	TestCode: 8260_WP_SF	Units: ug/L	Prep Date:	RunNo: 89447						
Client ID: PBW	Batch ID: P13VW104	TestNo: EPA 8260B		Analysis Date: 7/4/2013	SeqNo: 1604678						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	ND	0.50									
1,2-Dichloroethane	ND	0.50									
Benzene	ND	1.0									
Ethylbenzene	ND	1.0									
m,p-Xylene	ND	1.0									
MTBE	ND	1.0									
o-Xylene	ND	1.0									
Tert-Butanol	ND	5.0									
Toluene	ND	2.0									
Xylenes, Total	ND	2.0									
Surr: 1,2-Dichloroethane-d4	25.660		25.00		103	72	119				

Qualifiers:
 B Analyte detected in the associated Method Blank
 J Analyte detected below quantitation limits
 S Spike/Surrogate outside of limits due to matrix interference
 E Value above quantitation range
 ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out

H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits
 Calculations are based on raw values



CLIENT: CH2M HILL
Work Order: N010510
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_SFPP

Sample ID: P130704MB2	SampType: MBLK	TestCode: 8260_WP_SF	Units: ug/L	Prep Date:	RunNo: 89447						
Client ID: PBW	Batch ID: P13VW104	TestNo: EPA 8260B		Analysis Date: 7/4/2013	SeqNo: 1604678						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 4-Bromofluorobenzene	25.950		25.00		104	76	119				
Surr: Dibromofluoromethane	25.820		25.00		103	85	115				
Surr: Toluene-d8	25.700		25.00		103	81	120				

Sample ID: N010510-001CMS	SampType: MS	TestCode: 8260_WP_SF	Units: ug/L	Prep Date:	RunNo: 89447						
Client ID: ZZZZZ	Batch ID: P13VW104	TestNo: EPA 8260B		Analysis Date: 7/4/2013	SeqNo: 1604683						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethane	20.070	0.50	20.00	0	100	69	133				
1,2-Dichloroethane	20.160	0.50	20.00	0	101	69	132				
Benzene	20.170	1.0	20.00	0	101	81	122				
Ethylbenzene	19.370	1.0	20.00	0	96.9	73	127				
m,p-Xylene	38.980	1.0	40.00	0	97.5	76	128				
MTBE	19.220	1.0	20.00	0.3000	94.6	65	123				
o-Xylene	19.570	1.0	20.00	0	97.9	80	121				
Tert-Butanol	102.790	5.0	100.0	0	103	70	130				
Toluene	19.870	2.0	20.00	0	99.4	77	122				
Xylenes, Total	58.550	2.0	60.00	0	97.6	75	125				
Surr: 1,2-Dichloroethane-d4	25.470		25.00		102	72	119				
Surr: 4-Bromofluorobenzene	25.300		25.00		101	76	119				
Surr: Dibromofluoromethane	25.170		25.00		101	85	115				
Surr: Toluene-d8	25.700		25.00		103	81	120				

Sample ID: N010510-001CMSD	SampType: MSD	TestCode: 8260_WP_SF	Units: ug/L	Prep Date:	RunNo: 89447						
Client ID: ZZZZZ	Batch ID: P13VW104	TestNo: EPA 8260B		Analysis Date: 7/4/2013	SeqNo: 1604684						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethane	19.750	0.50	20.00	0	98.8	69	133	20.07	1.61	20	
1,2-Dichloroethane	19.480	0.50	20.00	0	97.4	69	132	20.16	3.43	20	
Benzene	19.730	1.0	20.00	0	98.6	81	122	20.17	2.21	20	

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- Calculations are based on raw values



Advanced Technology Laboratories, Inc.
 3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

CLIENT: CH2M HILL
Work Order: N010510
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_SFPP

Sample ID: **N010510-001CMSD** SampType: **MSD** TestCode: **8260_WP_SF** Units: **ug/L** Prep Date: RunNo: **89447**
 Client ID: **ZZZZZZ** Batch ID: **P13VW104** TestNo: **EPA 8260B** Analysis Date: **7/4/2013** SeqNo: **1604684**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	19.540	1.0	20.00	0	97.7	73	127	19.37	0.874	20	
m,p-Xylene	38.750	1.0	40.00	0	96.9	76	128	38.98	0.592	20	
MTBE	18.990	1.0	20.00	0.3000	93.5	65	123	19.22	1.20	20	
o-Xylene	19.600	1.0	20.00	0	98.0	80	121	19.57	0.153	20	
Tert-Butanol	99.340	5.0	100.0	0	99.3	70	130	102.8	3.41	20	
Toluene	19.560	2.0	20.00	0	97.8	77	122	19.87	1.57	20	
Xylenes, Total	58.350	2.0	60.00	0	97.2	75	125	58.55	0.342	20	
Surr: 1,2-Dichloroethane-d4	24.990		25.00		100	72	119		0		
Surr: 4-Bromofluorobenzene	25.410		25.00		102	76	119		0		
Surr: Dibromofluoromethane	25.300		25.00		101	85	115		0		
Surr: Toluene-d8	25.260		25.00		101	81	120		0		

Qualifiers:

- B Analyte detected in the associated Method Blank
 - E Value above quantitation range
 - J Analyte detected below quantitation limits
 - ND Not Detected at the Reporting Limit
 - S Spike/Surrogate outside of limits due to matrix interference
 - DO Surrogate Diluted Out
 - H Holding times for preparation or analysis exceeded
 - R RPD outside accepted recovery limits
- Calculations are based on raw values

Advanced Technology Laboratories

3151 W. Post Road
 Las Vegas, NV 89118
 Tel: 702-307-2659 Fax: 702-307-2691
 Marlon Cartin (marlon@atl-labs.com)

CHAIN OF CUSTODY RECORD

DATE: 7/2/13
 PAGE: 1 OF 1

LABORATORY CLIENT: **Kinder Morgan Energy Partners, Attn: Steve Deribaugh**
 ADDRESS: **1100 Town & County Road**
 CITY: **Orange, CA 92868**
 TEL: **714-560-4802** FAX: **714-560-4601** E-MAIL: james_dye@kindermorgan.com
 TURNAROUND TIME: SAME DAY 24 HR 48HR 72 HR 5 DAYS 10 DAYS
 SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): RWQCB REPORTING ARCHIVE SAMPLES UNTIL ___/___/___
 SPECIAL INSTRUCTIONS: **Report to D. Jablonski/CH2M HILL, cc: KMEP Direct Bill KMEP/SFP - Steve Deribaugh-ref. AFE# 81195 "J" flags required/Use lowest possible detection limit - all methods.**

CLIENT PROJECT NAME / NUMBER: **SFP - Norwalk Site**
 PROJECT CONTACT: **James Dye**
 SAMPLERS' SIGNATURE: *[Signature]*

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING		MAT. RIX	NO. OF CONT.	ANALYSIS											COMMENTS
			DATE	TIME			Oil & Grease (1664)	TPH-g, TPH-d, and TPH-oil (8015B)	Total TPH (as TPH-g, TPH-d, and TPH-oil) (8015B)	Settleable Solids (SM2540F)	Total Suspended Solids (SM2540D)	Phenol (420.1)	BTEX, Total Xylenes, 1,1-DCA, 1,2-DCA(8260B)	MTBE and TBA, (8260B) 48HR TAT	Cu, Pb, TI, and Zn (200.8)	Se (200.8); Hg (245.1)	Cr VI (7199)	
	EFF-07-02	Effluent	7/2/13	1330	WW		X	X	X	X	X	X	X	X	X	X	24 hr TAT for metals and VOCs	

Relinquished by: (Signature) *[Signature]* Received by: (Signature) *[Signature]* Date: 7-2-13 Time: 1420
 Relinquished by: (Signature) *[Signature]* Received by: (Signature) *[Signature]* Date: 7-2-13 Time: 1051
 Relinquished by: (Signature) *[Signature]* Received by: (Signature) *[Signature]* Date: 7/3/13 Time: 925

Revised: 08/23/2012

Temp 5.9 121

NO10510-1

Advanced Technology Laboratories, Inc.

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On: 7/3/2013 Workorder: N010510
 Rep sample Temp (Deg C): 5.9 IR Gun ID: 1
 Temp Blank: Yes No
 Carrier name: FedEx
 Last 4 digits of Tracking No.: 8820 Packing Material Used: None
 Cooling process: Ice Ice Pack Dry Ice Other None

Sample Receipt Checklist

- | | | | |
|---|---|-----------------------------|---|
| 1. Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 16. Were there Non-Conformance issues at login? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments:

Checklist Completed B MBC for: HSG 7/3/13

Reviewed By: Erpungalan

Advanced Technology Laboratories, Inc.

WORK ORDER Summary

03-Jul-13

Work Order: N010510

Client ID: CH2HI01

Project: SFPP - Norwalk Site

QC Level: RTNE

Date Received: 7/3/2013

Comments: Report to D. Jablonski/CH2M HILL, cc:KMFP.

Direct Bill KMFP/SFPP-Steve Deffbaugh-ref.AFE# 81195. "J" Flags requ

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	HL	MS	Sub	Storage
N010510-001A	EFF-07-02	7/2/2013 1:30:00 PM	7/10/2013	Wastewater		Oil and Grease Sample Prep	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010510-001B			7/10/2013		EPA 1664_HEM	Hexane Extractable Material (HEM)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010510-001C			7/10/2013		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010510-001D			7/4/2013		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010510-001E			7/10/2013		SM2540F	SETTLABLE MATTER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010510-001F			7/10/2013		SM2540D	Settleable Matter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010510-001G			7/10/2013		EPA 420.1	TOTAL NON-FILTERABLE RESIDUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010510-001H			7/10/2013			Total Suspended Solids Prep	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010510-001I			7/10/2013		EPA 200.8	PHENOLICS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N010510-001J			7/10/2013			Phenols Prep	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N010510-001K			7/4/2013			AQPREP TOTAL METALS: ICP, FLAA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010510-001L			7/4/2013		EPA 200.8	ICP-MS METALS BY COLLISION/REACTION CELL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010510-001M			7/4/2013		EPA 200.8	ICPMS METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010510-001N			7/4/2013		EPA 245.1	MERCURY BY COLD VAPOR TECHNIQUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010510-001O			7/4/2013			MERCURY PREP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010510-001P			7/10/2013		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010510-001Q			7/10/2013		EPA 8015B	TPH EXTRACTABLE BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010510-001R			7/10/2013		EPA 8015B	Total TPH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010510-001S			7/10/2013		EPA 7199	Hexavalent Chromium by IC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010510-002A	FOLDER		7/4/2013		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



Advanced Technology Laboratories

3151-3153 W Post Rd., Las Vegas, NV 89118
www.atlglobal.com
TEL: 7023072659 FAX: 7023072691

CHAIN-OF-CUSTODY RECORD

QC Level: RTNE

Subcontractor:

AETL
2834 North Naomi Street
Burbank, CA 91504

TEL: (818) 845-8200
FAX: (818) 845-8840
Acct #:

Field Sampler: James Dye

08-Jul-13

Sample ID	Matrix	Date Collected	Bottle Type	EPA 420.1	Requested Tests
N010510-001F / EFF-07-02	Wastewater	7/2/2013 1:30:00 PM	32OZA	1	

General Comments: Please email sample receipt acknowledgement to the PM.

Please use PO#:N010510 For questions, call Marlon at (702)-307-2659. Please e-mail results to marlon@atl-labs.com by:Normal TAT

Please analyze Phenols by 420.1

650 # 522209419

Date/Time	Relinquished by:	Received by:	Date/Time
	HANNAH GLODOWITZ Johnson		

From: (562) 989-4045
Carmen Aguila
Advanced Tech Labs
3275 walnut ave

Origin ID: LGBA



J13111302120326

signal hill, CA 90755

Ship Date: 02JUL13
Act/Wgt: 10.0 LB
CAD: 4346475/NET3370

Dims: 12 X 8 X 12 IN

SHIP TO: (702) 307-2659

BILL RECIPIENT

Marlon
ATL
3151 W POST RD

LAS VEGAS, NV 89118

Delivery Address Bar Code

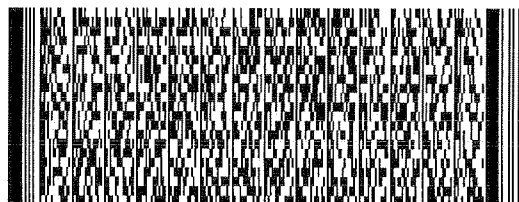


Ref # CH2M HILL
Invoice #
PO #
Dept #

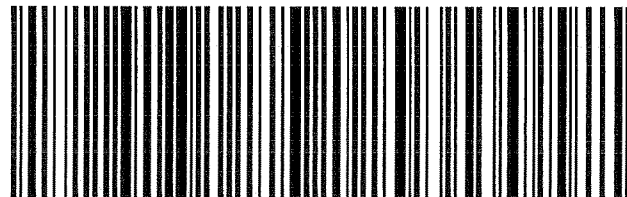
WED - 03 JUL 10:30A
PRIORITY OVERNIGHT

TRK# 7961 4978 8820

0201

**QV LASA**

89118
NV-US
LAS



518G1/AA0483AB

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American Environmental Testing Laboratory Inc.

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

Ordered By

Advanced Technology Laboratory
3151-3153 W Post Road
Las Vegas, NV 89118-

Telephone: (702)307-2659
Attention: Marlon Cartin

Number of Pages 2
Date Received 07/09/2013
Date Reported 07/15/2013

Job Number	Order Date	Client
70014	07/09/2013	ATL-LV

Project ID: PO# N010510

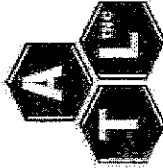
Enclosed please find results of analyses of 1 water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director

70014



Advanced Technology Laboratories
3151-3153 W Post Rd., Las Vegas, NV 89118
www.atglabs.com
TEL: 7023072659 FAX: 7023072691

CHAIN-OF-CUSTODY RECORD

QC Level: RTNE

Subcontractor:

AETL
2834 North Naomi Street
Burbank, CA 91504

TEL: (818) 845-8200
FAX: (818) 845-8840
Acct #:

Field Sampler: James Dye

08-Jul-13

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests
N010510-001F / EFF-07-02	Wastewater	7/2/2013 1:30:00 PM	320ZA	EPA 420.1 1 70014.01

General Comments: Please email sample receipt acknowledgement to the PM.

Please use PO#:N010510 For questions, call Marion at (702)-307-2659. Please e-mail results to marlon@atl-labs.com by:Normal TAT

Please analyze Phenols by 420.1

650 # 522209414

Date/Time	Date/Time
Relinquished by: HANNAH GLODOWITZ	7/2/13 15:00
Received by: <i>He K m qm7</i>	07/09/13 11:00
Relinquished by:	Received by:



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Page: 1 A

Ordered By

Advanced Technology Laboratory
3151-3153 W Post Road
Las Vegas, NV 89118-

Project ID: PO# N010510
Date Received 07/09/2013
Date Reported 07/15/2013

Telephone: (702) 307-2659
Attention: Marlon Cartin

Job Number	Order Date	Client
70014	07/09/2013	ATL-LV

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 1 samples with the following specification on 07/09/2013.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers	
70014.01	N010510-001F	07/02/2013	Aqueous	1	
Method ^	Submethod	Req Date	Priority	TAT	Units
420.1		07/16/2013	2	Normal	mg/L

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

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratory
 3151-3153 W Post Road
 Las Vegas, NV 89118-

Telephone: (702)307-2659

Attn: Marlon Cartin

Page: 2

Project ID: PO# N010510

AETL Job Number	Submitted	Client
70014	07/09/2013	ATL-LV

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

QC Batch No: 071113-1

Our Lab I.D.		Method Blank	70014.01			
Client Sample I.D.			N010510-001 F			
Date Sampled			07/02/2013			
Date Prepared		07/11/2013	07/11/2013			
Preparation Method		420.1	420.1			
Date Analyzed		07/11/2013	07/11/2013			
Matrix		Aqueous	Aqueous			
Units		mg/L	mg/L			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Phenolic compounds as phenol	0.15	0.30	ND	ND		

QUALITY CONTROL REPORT

QC Batch No: 071113-1; Dup or Spiked Sample: 70014.01; LCS: Clean Water; QC Prepared: 07/11/2013; QC Analyzed: 07/11/2013;
 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	0.483	96.6	0.500	0.480	96.0	<1	80-120	<15

QC Batch No: 071113-1; Dup or Spiked Sample: 70014.01; LCS: Clean Water; QC Prepared: 07/11/2013; QC Analyzed: 07/11/2013;
 Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit		
Phenol	ND	ND	<1	<15	0.500	0.478	95.6	80-120		



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Data Qualifiers and Descriptors

Data Qualifier:

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

Definition:

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



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Data Qualifiers and Descriptors

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

August 14, 2013

Daniel Jablonski
CH2M HILL
155 Grand Avenue, Suite 1000
Oakland, CA 94612

TEL: (213)228-8271
FAX: (510) 622-9129

CA-ELAP No.:2676
NV Cert. No.:NV-009222007A

Workorder No.: N010741

RE: SFPP - Norwalk Site

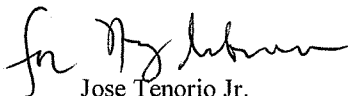
Attention: Daniel Jablonski

Enclosed are the results for sample(s) received on August 07, 2013 by Advanced Technology Laboratories, Inc. . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (702) 307-2659 if I can be of further assistance to your company.

Sincerely,



Jose Tenorio Jr.

Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories - Las Vegas.



**Advanced Technology
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

CLIENT: CH2M HILL
Project: SFPP - Norwalk Site
Lab Order: N010741

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

Samples were received intact with proper chain of custody documentation.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Samples were analyzed within method holding time.

Results were J-Flag. "J" is used to flag those results that are between the PQL (Practical Quantitation Limit) and the calculated MDL (Method Detection Limit). Results that are "J" Flagged are estimated values since it becomes difficult to accurately quantitate the analyte near the MDL.

Subcontracted Analyses:

Phenolics ,Surfactants and Ammonia were subcontracted to Advanced Technology Laboratories-Signal Hill, CA .



CLIENT: CH2M HILL
Project: SFPP - Norwalk Site
Lab Order: N010741
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N010741-001A	EFF-08-06	Wastewater	8/6/2013 1:10:00 PM	8/7/2013	8/14/2013
N010741-001B	EFF-08-06	Wastewater	8/6/2013 1:10:00 PM	8/7/2013	8/14/2013
N010741-001C	EFF-08-06	Wastewater	8/6/2013 1:10:00 PM	8/7/2013	8/14/2013
N010741-001D	EFF-08-06	Wastewater	8/6/2013 1:10:00 PM	8/7/2013	8/14/2013
N010741-001E	EFF-08-06	Wastewater	8/6/2013 1:10:00 PM	8/7/2013	8/14/2013
N010741-001F	EFF-08-06	Wastewater	8/6/2013 1:10:00 PM	8/7/2013	8/14/2013
N010741-001G	EFF-08-06	Wastewater	8/6/2013 1:10:00 PM	8/7/2013	8/14/2013
N010741-001H	EFF-08-06	Wastewater	8/6/2013 1:10:00 PM	8/7/2013	8/14/2013
N010741-001I	EFF-08-06	Wastewater	8/6/2013 1:10:00 PM	8/7/2013	8/14/2013
N010741-001J	EFF-08-06	Wastewater	8/6/2013 1:10:00 PM	8/7/2013	8/14/2013
N010741-001K	EFF-08-06	Wastewater	8/6/2013 1:10:00 PM	8/7/2013	8/14/2013



CLIENT: CH2M HILL
Lab Order: N010741
Project: SFPP - Norwalk Site
Lab ID: N010741-001

Client Sample ID: EFF-08-06
Collection Date: 8/6/2013 1:10:00 PM
Matrix: WASTEWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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TOTAL NON-FILTERABLE RESIDUE

SM2540D

RunID: WETCHEM_130807C	QC Batch: 43616				PrepDate: 8/7/2013		Analyst: LCC
Suspended Solids (Residue, Non-Filterable)	ND	10	10		mg/L	1	8/7/2013

SETTLABLE MATTER

SM2540F

RunID: WETCHEM_130807G	QC Batch: R89970				PrepDate:		Analyst: JT
Settleable Matter	ND	0.10	0.10		ml/L	1	8/7/2013

TURBIDITY

SM 2130B

RunID: WETCHEM_130807B	QC Batch: R89879				PrepDate:		Analyst: LCC
Turbidity	0.28	0.10	0.10		NTU	1	8/7/2013

HEXANE EXTRACTABLE MATERIAL (HEM)

EPA 1664 _HEM

RunID: WETCHEM_130813B	QC Batch: 43663				PrepDate: 8/13/2013		Analyst: QBM
Oil & Grease	ND	1.2	4.3		mg/L	1	8/13/2013

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_130807A	QC Batch: P13VW124				PrepDate:		Analyst: QBM
1,1-Dichloroethane	ND	0.062	0.50		ug/L	1	8/7/2013 04:33 PM
1,2-Dichloroethane	ND	0.044	0.50		ug/L	1	8/7/2013 04:33 PM
2-Butanone	ND	0.70	10		ug/L	1	8/7/2013 04:33 PM
Benzene	ND	0.048	1.0		ug/L	1	8/7/2013 04:33 PM
Di-isopropyl ether	ND	0.038	1.0		ug/L	1	8/7/2013 04:33 PM
Ethylbenzene	ND	0.036	1.0		ug/L	1	8/7/2013 04:33 PM
m,p-Xylene	ND	0.14	1.0		ug/L	1	8/7/2013 04:33 PM
MTBE	ND	0.098	1.0		ug/L	1	8/7/2013 04:33 PM
o-Xylene	ND	0.042	1.0		ug/L	1	8/7/2013 04:33 PM
Tert-amyl methyl ether	ND	0.054	1.0		ug/L	1	8/7/2013 04:33 PM
Tert-Butanol	ND	1.0	5.0		ug/L	1	8/7/2013 04:33 PM
Toluene	ND	0.034	2.0		ug/L	1	8/7/2013 04:33 PM
Xylenes, Total	ND	1.5	2.0		ug/L	1	8/7/2013 04:33 PM
Surr: 1,2-Dichloroethane-d4	103	0	72-119		%REC	1	8/7/2013 04:33 PM
Surr: 4-Bromofluorobenzene	100	0	76-119		%REC	1	8/7/2013 04:33 PM
Surr: Dibromofluoromethane	104	0	85-115		%REC	1	8/7/2013 04:33 PM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit S Spike/Surrogate outside of limits due to matrix interference
 Results are wet unless otherwise specified DO Surrogate Diluted Out



CLIENT: CH2M HILL
Lab Order: N010741
Project: SFPP - Norwalk Site
Lab ID: N010741-001

Client Sample ID: EFF-08-06
Collection Date: 8/6/2013 1:10:00 PM
Matrix: WASTEWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_130807A	QC Batch: P13VW124				PrepDate:		Analyst: QBM
Surr: Toluene-d8	101	0	81-120		%REC	1	8/7/2013 04:33 PM

TPH EXTRACTABLE BY GC/FID

EPA 3510C

EPA 8015B

RunID: GC1_130807A	QC Batch: 43618				PrepDate:	8/7/2013	Analyst: MDM
TPH-Diesel (C13-C22)	ND	13	50		ug/L	1	8/7/2013 03:55 PM
TPH-Oil (C23-C36)	10	9.6	50	J	ug/L	1	8/7/2013 03:55 PM
Surr: Octacosane	78.8	0	26-152		%REC	1	8/7/2013 03:55 PM
Surr: p-Terphenyl	82.8	0	57-132		%REC	1	8/7/2013 03:55 PM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B

RunID: GC4_130807A	QC Batch: E13VW043				PrepDate:		Analyst: PN
TPH-Gasoline (C4-C12)	ND	8.5	100		ug/L	1	8/7/2013 11:41 AM
Surr: Chlorobenzene - d5	102	0	74-138		%REC	1	8/7/2013 11:41 AM

HEXAVALENT CHROMIUM BY IC

EPA 7199

RunID: IC7_130807A	QC Batch: R89911				PrepDate:		Analyst: QBM
Hexavalent Chromium	0.041	0.014	0.20	J	ug/L	1	8/7/2013 10:56 AM

MERCURY BY COLD VAPOR TECHNIQUE

EPA 245.1

RunID: AA1_130807A	QC Batch: 43617				PrepDate:	8/7/2013	Analyst: LCC
Mercury	ND	0.026	0.050		ug/L	1	8/7/2013

ICP-MS METALS BY COLLISION/REACTION CELL

EPA 200.8

RunID: ICP7_130808A	QC Batch: 43624				PrepDate:	8/7/2013	Analyst: CEI
Selenium	0.11	0.084	0.50	J	ug/L	1	8/8/2013 10:54 AM

ICPMS METALS

EPA 200.8

RunID: ICP7_130808A	QC Batch: 43624				PrepDate:	8/7/2013	Analyst: CEI
Copper	ND	0.14	0.50		ug/L	1	8/8/2013 10:54 AM
Lead	ND	0.15	0.50		ug/L	1	8/8/2013 10:54 AM

Qualifiers: B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 Results are wet unless otherwise specified

E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike/Surrogate outside of limits due to matrix interference
 DO Surrogate Diluted Out



CLIENT: CH2M HILL
Lab Order: N010741
Project: SFPP - Norwalk Site
Lab ID: N010741-001

Client Sample ID: EFF-08-06
Collection Date: 8/6/2013 1:10:00 PM
Matrix: WASTEWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICPMS METALS

EPA 200.8

RunID: ICP7_130808A	QC Batch: 43624				PrepDate: 8/7/2013		Analyst: CEI
Thallium	ND	0.075	0.50		µg/L	1	8/8/2013 10:54 AM
Zinc	4.0	1.3	10	J	µg/L	1	8/8/2013 10:54 AM

TOTAL TPH

EPA 3510C

EPA 8015B

RunID: GC1_130807A	QC Batch: 43618				PrepDate: 8/7/2013		Analyst: MDM
Total TPH	10	13	100		ug/L	1	8/7/2013 03:55 PM

Qualifiers: B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 Results are wet unless otherwise specified
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike/Surrogate outside of limits due to matrix interference
 DO Surrogate Diluted Out



CLIENT: CH2M HILL
Work Order: N010741
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 160.2_2540D_W

Sample ID: MB-43616	SampType: MBLK	TestCode: 160.2_2540D_ Units: mg/L	Prep Date: 8/7/2013	RunNo: 89880							
Client ID: PBW	Batch ID: 43616	TestNo: SM2540D	Analysis Date: 8/7/2013	SeqNo: 1626903							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter)	ND	10									

Sample ID: LCS-43616	SampType: LCS	TestCode: 160.2_2540D_ Units: mg/L	Prep Date: 8/7/2013	RunNo: 89880							
Client ID: LCSW	Batch ID: 43616	TestNo: SM2540D	Analysis Date: 8/7/2013	SeqNo: 1626904							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter)	875.000	10	1000	0	87.5	80	120				

Sample ID: N010740-001D-DUP	SampType: DUP	TestCode: 160.2_2540D_ Units: mg/L	Prep Date: 8/7/2013	RunNo: 89880							
Client ID: ZZZZZ	Batch ID: 43616	TestNo: SM2540D	Analysis Date: 8/7/2013	SeqNo: 1626906							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter)	57.000	10						59.00	3.45	5	

Qualifiers:

- | | | | | | |
|---|--|----|-------------------------------------|---|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits |
| S | Spike/Surrogate outside of limits due to matrix interference | DO | Surrogate Diluted Out | | Calculations are based on raw values |



CLIENT: CH2M HILL
Work Order: N010741
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 160.5_2540F_W

Sample ID: MB-R89970	SampType: MBLK	TestCode: 160.5_2540F_ Units: m/L	Prep Date:	RunNo: 89970							
Client ID: PBW	Batch ID: R89970	TestNo: SM2540F	Analysis Date: 8/7/2013	SeqNo: 1631537							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Settleable Matter	ND	0.10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values



**Advanced Technology
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

CLIENT: CH2M HILL
Work Order: N010741
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 1664_HEM_W

Sample ID: MB-43663	SampType: MBLK	TestCode: 1664_HEM_W	Units: mg/L	Prep Date: 8/13/2013	RunNo: 89971						
Client ID: PBW	Batch ID: 43663	TestNo: EPA 1664_H		Analysis Date: 8/13/2013	SeqNo: 1631540						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Oil & Grease	ND	4.0
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Sample ID: LCS-43663	SampType: LCS	TestCode: 1664_HEM_W	Units: mg/L	Prep Date: 8/13/2013	RunNo: 89971						
Client ID: LCSW	Batch ID: 43663	TestNo: EPA 1664_H		Analysis Date: 8/13/2013	SeqNo: 1631541						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Oil & Grease	35.300	4.0	40.00	0	88.2	78	114
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Sample ID: N010741-001A-MS	SampType: MS	TestCode: 1664_HEM_W	Units: mg/L	Prep Date: 8/13/2013	RunNo: 89971						
Client ID: ZZZZZ	Batch ID: 43663	TestNo: EPA 1664_H		Analysis Date: 8/13/2013	SeqNo: 1631543						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Oil & Grease	37.447	4.3	42.55	0	88.0	78	114
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Sample ID: N010741-001A-MSD	SampType: MSD	TestCode: 1664_HEM_W	Units: mg/L	Prep Date: 8/13/2013	RunNo: 89971						
Client ID: ZZZZZ	Batch ID: 43663	TestNo: EPA 1664_H		Analysis Date: 8/13/2013	SeqNo: 1631544						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Oil & Grease	36.277	4.3	42.55	0	85.3	78	114	37.45	3.17	18
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Qualifiers:

- | | | |
|--|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits |
| S Spike/Surrogate outside of limits due to matrix interference | DO Surrogate Diluted Out | Calculations are based on raw values |



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CLIENT: CH2M HILL
Work Order: N010741
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8_W_DRC

Sample ID: MB-43624	SampType: MBLK	TestCode: 200.8_W_DR	Units: µg/L	Prep Date: 8/7/2013	RunNo: 89894						
Client ID: PBW	Batch ID: 43624	TestNo: EPA 200.8		Analysis Date: 8/8/2013	SeqNo: 1627774						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium ND 0.50

Sample ID: LCS-43624	SampType: LCS	TestCode: 200.8_W_DR	Units: µg/L	Prep Date: 8/7/2013	RunNo: 89894						
Client ID: LCSW	Batch ID: 43624	TestNo: EPA 200.8		Analysis Date: 8/8/2013	SeqNo: 1627775						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium 10.418 0.50 10.00 0 104 85 115

Sample ID: N010741-001G-MS	SampType: MS	TestCode: 200.8_W_DR	Units: µg/L	Prep Date: 8/7/2013	RunNo: 89894						
Client ID: ZZZZZ	Batch ID: 43624	TestNo: EPA 200.8		Analysis Date: 8/8/2013	SeqNo: 1627779						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium 9.037 0.50 10.00 0.1111 89.3 75 125

Sample ID: N010741-001G-MSD	SampType: MSD	TestCode: 200.8_W_DR	Units: µg/L	Prep Date: 8/7/2013	RunNo: 89894						
Client ID: ZZZZZ	Batch ID: 43624	TestNo: EPA 200.8		Analysis Date: 8/8/2013	SeqNo: 1627780						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium 9.800 0.50 10.00 0.1111 96.9 75 125 9.037 8.10 20

Qualifiers:

- | | | |
|--|--|--|
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CLIENT: CH2M HILL
Work Order: N010741
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8_W_SFPP

Sample ID: MB-43624	SampType: MBLK	TestCode: 200.8_W_SFPP	Units: µg/L	Prep Date: 8/7/2013	RunNo: 89894						
Client ID: PBW	Batch ID: 43624	TestNo: EPA 200.8		Analysis Date: 8/8/2013	SeqNo: 1627740						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.50									
Lead	ND	0.50									
Thallium	ND	0.50									
Zinc	ND	10									

Sample ID: LCS-43624	SampType: LCS	TestCode: 200.8_W_SFPP	Units: µg/L	Prep Date: 8/7/2013	RunNo: 89894						
Client ID: LCSW	Batch ID: 43624	TestNo: EPA 200.8		Analysis Date: 8/8/2013	SeqNo: 1627741						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	10.585	0.50	10.00	0	106	85	115				
Lead	10.929	0.50	10.00	0	109	85	115				
Thallium	10.945	0.50	10.00	0	109	85	115				
Zinc	97.626	10	100.0	0	97.6	85	115				

Sample ID: N010741-001G-MS	SampType: MS	TestCode: 200.8_W_SFPP	Units: µg/L	Prep Date: 8/7/2013	RunNo: 89894						
Client ID: ZZZZZ	Batch ID: 43624	TestNo: EPA 200.8		Analysis Date: 8/8/2013	SeqNo: 1627745						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	8.473	0.50	10.00	0	84.7	75	125				
Lead	10.692	0.50	10.00	0	107	75	125				
Thallium	11.054	0.50	10.00	0	111	75	125				
Zinc	90.404	10	100.0	4.046	86.4	75	125				

Sample ID: N010741-001G-MSD	SampType: MSD	TestCode: 200.8_W_SFPP	Units: µg/L	Prep Date: 8/7/2013	RunNo: 89894						
Client ID: ZZZZZ	Batch ID: 43624	TestNo: EPA 200.8		Analysis Date: 8/8/2013	SeqNo: 1627746						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	8.604	0.50	10.00	0	86.0	75	125	8.473	1.53	20	
Lead	10.815	0.50	10.00	0	108	75	125	10.69	1.14	20	

Qualifiers:

- | | | |
|--|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits |
| S Spike/Surrogate outside of limits due to matrix interference | DO Surrogate Diluted Out | Calculations are based on raw values |



Advanced Technology
Laboratories, Inc.

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CLIENT: CH2M HILL
Work Order: N010741
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8_W_SFPP

Sample ID: N010741-001G-MSD		SampType: MSD		TestCode: 200.8_W_SFPP			Units: µg/L		Prep Date: 8/7/2013		RunNo: 89894	
Client ID: ZZZZZZ		Batch ID: 43624		TestNo: EPA 200.8			Analysis Date: 8/8/2013		SeqNo: 1627746			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Thallium	11.093	0.50	10.00	0	111	75	125	11.05	0.358	20		
Zinc	91.365	10	100.0	4.046	87.3	75	125	90.40	1.06	20		

Qualifiers:

- | | | |
|--|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits |
| S Spike/Surrogate outside of limits due to matrix interference | DO Surrogate Diluted Out | Calculations are based on raw values |



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CLIENT: CH2M HILL
Work Order: N010741
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 2130_W

Sample ID: N010740-001D-DUP	SampType: DUP	TestCode: 2130_W	Units: NTU	Prep Date:	RunNo: 89879						
Client ID: ZZZZZZ	Batch ID: R89879	TestNo: SM 2130B	Analysis Date: 8/7/2013	SeqNo: 1626835							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	41.000	0.10						44.30	7.74	30	

Qualifiers:

- | | | |
|--|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits |
| S Spike/Surrogate outside of limits due to matrix interference | DO Surrogate Diluted Out | Calculations are based on raw values |



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CLIENT: CH2M HILL
Work Order: N010741
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 245.1_W_LL

Sample ID: LCS-43617	SampType: LCS	TestCode: 245.1_W_LL	Units: µg/L	Prep Date: 8/7/2013	RunNo: 89874						
Client ID: LCSW	Batch ID: 43617	TestNo: EPA 245.1		Analysis Date: 8/7/2013	SeqNo: 1626682						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	2.778	0.050	2.500	0	111	85	115				
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Sample ID: MB-43617	SampType: MBLK	TestCode: 245.1_W_LL	Units: µg/L	Prep Date: 8/7/2013	RunNo: 89874						
Client ID: PBW	Batch ID: 43617	TestNo: EPA 245.1		Analysis Date: 8/7/2013	SeqNo: 1626683						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	ND	0.050									
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Sample ID: N010741-001G-MS	SampType: MS	TestCode: 245.1_W_LL	Units: µg/L	Prep Date: 8/7/2013	RunNo: 89874						
Client ID: ZZZZZ	Batch ID: 43617	TestNo: EPA 245.1		Analysis Date: 8/7/2013	SeqNo: 1626685						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	2.635	0.050	2.500	0	105	75	125				
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Sample ID: N010741-001G-MSD	SampType: MSD	TestCode: 245.1_W_LL	Units: µg/L	Prep Date: 8/7/2013	RunNo: 89874						
Client ID: ZZZZZ	Batch ID: 43617	TestNo: EPA 245.1		Analysis Date: 8/7/2013	SeqNo: 1626686						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	2.702	0.050	2.500	0	108	75	125	2.635	2.51	20	
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Qualifiers:

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|--|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits |
| S Spike/Surrogate outside of limits due to matrix interference | DO Surrogate Diluted Out | Calculations are based on raw values |



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CLIENT: CH2M HILL
Work Order: N010741
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 7199_WPGE

Sample ID: MB-R89911	SampType: MBLK	TestCode: 7199_WPGE	Units: µg/L	Prep Date:	RunNo: 89911						
Client ID: PBW	Batch ID: R89911	TestNo: EPA 7199		Analysis Date: 8/7/2013	SeqNo: 1629018						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexavalent Chromium ND 0.20

Sample ID: LCS-R89911	SampType: LCS	TestCode: 7199_WPGE	Units: µg/L	Prep Date:	RunNo: 89911						
Client ID: LCSW	Batch ID: R89911	TestNo: EPA 7199		Analysis Date: 8/7/2013	SeqNo: 1629019						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexavalent Chromium 5.054 0.20 5.000 0 101 90 110

Sample ID: N010741-001EDUP	SampType: DUP	TestCode: 7199_WPGE	Units: µg/L	Prep Date:	RunNo: 89911						
Client ID: ZZZZZ	Batch ID: R89911	TestNo: EPA 7199		Analysis Date: 8/7/2013	SeqNo: 1629021						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexavalent Chromium 0.044 0.20 0.04120 0 20 J

Sample ID: N010741-001EMS	SampType: MS	TestCode: 7199_WPGE	Units: µg/L	Prep Date:	RunNo: 89911						
Client ID: ZZZZZ	Batch ID: R89911	TestNo: EPA 7199		Analysis Date: 8/7/2013	SeqNo: 1629022						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexavalent Chromium 1.060 0.20 1.000 0.04120 102 85 115

Sample ID: N010721-004AMS	SampType: MS	TestCode: 7199_WPGE	Units: µg/L	Prep Date:	RunNo: 89911						
Client ID: ZZZZZ	Batch ID: R89911	TestNo: EPA 7199		Analysis Date: 8/7/2013	SeqNo: 1629024						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexavalent Chromium 2.027 0.20 1.000 1.000 103 85 115

Qualifiers:

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S	Spike/Surrogate outside of limits due to matrix interference	DO	Surrogate Diluted Out		Calculations are based on raw values



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ANALYTICAL QC SUMMARY REPORT

TestCode: 7199_WPGE

Sample ID: N010721-004AMSD	SampType: MSD	TestCode: 7199_WPGE	Units: µg/L	Prep Date:	RunNo: 89911						
Client ID: ZZZZZ	Batch ID: R89911	TestNo: EPA 7199		Analysis Date: 8/7/2013	SeqNo: 1629025						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium	2.028	0.20	1.000	1.000	103	85	115	2.027	0.0444	20	

Qualifiers:

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|---|--|----|-------------------------------------|---|--|
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| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits |
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CLIENT: CH2M HILL
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_FP_SFPP

Sample ID: MB-43618	SampType: MBLK	TestCode: 8015_W_FP_	Units: ug/L	Prep Date: 8/7/2013	RunNo: 89901						
Client ID: PBW	Batch ID: 43618	TestNo: EPA 8015B EPA 3510C		Analysis Date: 8/7/2013	SeqNo: 1628325						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Diesel (C13-C22)	ND	50									
TPH-Oil (C23-C36)	10.419	50									J
Surr: Octacosane	61.332		80.00		76.7	26	152				
Surr: p-Terphenyl	64.281		80.00		80.4	57	132				

Qualifiers:

- | | | |
|--|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits |
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_SFPTOT

Sample ID: MB-43618	SampType: MBLK	TestCode: 8015_W_SFP	Units: ug/L	Prep Date: 8/7/2013	RunNo: 89901						
Client ID: PBW	Batch ID: 43618	TestNo: EPA 8015B EPA 3510C		Analysis Date: 8/7/2013	SeqNo: 1628327						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total TPH	ND	100									

Qualifiers:

- | | | | | | |
|---|--|----|-------------------------------------|---|--|
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| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits |
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CLIENT: CH2M HILL
Work Order: N010741
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015GAS_WSFPP

Sample ID: E130807LCS	SampType: LCS	TestCode: 8015GAS_WS	Units: ug/L	Prep Date:	RunNo: 89884						
Client ID: LCSW	Batch ID: E13VW043	TestNo: EPA 8015B			Analysis Date: 8/7/2013	SeqNo: 1626988					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	958.000	100	1000	0	95.8	67	136				
Surr: Chlorobenzene - d5	48782.000		50000		97.6	74	138				

Sample ID: E130807LCSD	SampType: LCSD	TestCode: 8015GAS_WS	Units: ug/L	Prep Date:	RunNo: 89884						
Client ID: LCSS02	Batch ID: E13VW043	TestNo: EPA 8015B			Analysis Date: 8/7/2013	SeqNo: 1626989					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	901.000	100	1000	0	90.1	67	136	958.0	6.13	30	
Surr: Chlorobenzene - d5	47116.000		50000		94.2	74	138		0	0	

Sample ID: E130807MB1	SampType: MBLK	TestCode: 8015GAS_WS	Units: ug/L	Prep Date:	RunNo: 89884						
Client ID: PBW	Batch ID: E13VW043	TestNo: EPA 8015B			Analysis Date: 8/7/2013	SeqNo: 1626990					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	ND	100									
Surr: Chlorobenzene - d5	46543.000		50000		93.1	74	138				

Sample ID: N010740-001EMS	SampType: MS	TestCode: 8015GAS_WS	Units: ug/L	Prep Date:	RunNo: 89884						
Client ID: ZZZZZ	Batch ID: E13VW043	TestNo: EPA 8015B			Analysis Date: 8/7/2013	SeqNo: 1626993					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	926.000	100	1000	0	92.6	67	136				
Surr: Chlorobenzene - d5	48013.000		50000		96.0	74	138				

Sample ID: N010740-001EMSD	SampType: MSD	TestCode: 8015GAS_WS	Units: ug/L	Prep Date:	RunNo: 89884						
Client ID: ZZZZZ	Batch ID: E13VW043	TestNo: EPA 8015B			Analysis Date: 8/7/2013	SeqNo: 1626994					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	905.000	100	1000	0	90.5	67	136	926.0	2.29	30	

Qualifiers:

- | | | |
|--|--|--|
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015GAS_WSFPP

Sample ID: N010740-001EMSD	SampType: MSD	TestCode: 8015GAS_WS	Units: ug/L	Prep Date:	RunNo: 89884						
Client ID: ZZZZZ	Batch ID: E13VW043	TestNo: EPA 8015B		Analysis Date: 8/7/2013	SeqNo: 1626994						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Chlorobenzene - d5	47551.000		50000		95.1	74	138		0	0	

Qualifiers:

- | | | | | | |
|---|--|----|-------------------------------------|---|--|
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_SFPP

Sample ID: P130807LCS	SampType: LCS	TestCode: 8260_WP_SF Units: ug/L				Prep Date:			RunNo: 89886		
Client ID: LCSW	Batch ID: P13VW124	TestNo: EPA 8260B				Analysis Date: 8/7/2013			SeqNo: 1627215		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	19.660	0.50	20.00	0	98.3	69	133				
1,2-Dichloroethane	19.240	0.50	20.00	0	96.2	69	132				
2-Butanone	194.760	10	200.0	0	97.4	49	136				
Benzene	19.430	1.0	20.00	0	97.2	81	122				
Di-isopropyl ether	20.030	1.0	20.00	0	100	70	130				
Ethylbenzene	19.270	1.0	20.00	0	96.4	73	127				
m,p-Xylene	39.620	1.0	40.00	0	99.0	76	128				
MTBE	19.120	1.0	20.00	0	95.6	65	123				
o-Xylene	20.000	1.0	20.00	0	100	80	121				
Tert-amyl methyl ether	19.430	1.0	20.00	0	97.2	70	130				
Tert-Butanol	96.900	5.0	100.0	0	96.9	70	130				
Toluene	19.490	2.0	20.00	0	97.5	77	122				
Xylenes, Total	59.620	2.0	60.00	0	99.4	75	125				
Surr: 1,2-Dichloroethane-d4	25.460		25.00		102	72	119				
Surr: 4-Bromofluorobenzene	26.210		25.00		105	76	119				
Surr: Dibromofluoromethane	25.810		25.00		103	85	115				
Surr: Toluene-d8	25.980		25.00		104	81	120				

Sample ID: P130807MB2	SampType: MBLK	TestCode: 8260_WP_SF Units: ug/L				Prep Date:			RunNo: 89886		
Client ID: PBW	Batch ID: P13VW124	TestNo: EPA 8260B				Analysis Date: 8/7/2013			SeqNo: 1627216		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	ND	0.50									
1,2-Dichloroethane	ND	0.50									
2-Butanone	ND	10									
Benzene	ND	1.0									
Di-isopropyl ether	ND	1.0									
Ethylbenzene	ND	1.0									
m,p-Xylene	ND	1.0									
MTBE	ND	1.0									

Qualifiers:

- | | | |
|--|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_SFPP

Sample ID: P130807MB2	SampType: MBLK	TestCode: 8260_WP_SF	Units: ug/L	Prep Date:	RunNo: 89886						
Client ID: PBW	Batch ID: P13VW124	TestNo: EPA 8260B	Analysis Date: 8/7/2013	SeqNo: 1627216							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	ND	1.0									
Tert-amyl methyl ether	ND	1.0									
Tert-Butanol	ND	5.0									
Toluene	ND	2.0									
Xylenes, Total	ND	2.0									
Surr: 1,2-Dichloroethane-d4	25.010		25.00		100	72	119				
Surr: 4-Bromofluorobenzene	25.140		25.00		101	76	119				
Surr: Dibromofluoromethane	25.440		25.00		102	85	115				
Surr: Toluene-d8	25.220		25.00		101	81	120				

Sample ID: N010741-001CMS	SampType: MS	TestCode: 8260_WP_SF	Units: ug/L	Prep Date:	RunNo: 89886						
Client ID: ZZZZZ	Batch ID: P13VW124	TestNo: EPA 8260B	Analysis Date: 8/7/2013	SeqNo: 1627219							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	19.590	0.50	20.00	0	98.0	69	133				
1,2-Dichloroethane	19.220	0.50	20.00	0	96.1	69	132				
2-Butanone	170.490	10	200.0	0	85.2	49	136				
Benzene	19.400	1.0	20.00	0	97.0	81	122				
Di-isopropyl ether	19.730	1.0	20.00	0	98.6	70	130				
Ethylbenzene	19.540	1.0	20.00	0	97.7	73	127				
m,p-Xylene	40.010	1.0	40.00	0	100	76	128				
MTBE	19.220	1.0	20.00	0	96.1	65	123				
o-Xylene	20.140	1.0	20.00	0	101	80	121				
Tert-amyl methyl ether	19.460	1.0	20.00	0	97.3	70	130				
Tert-Butanol	104.790	5.0	100.0	0	105	70	130				
Toluene	19.520	2.0	20.00	0	97.6	77	122				
Xylenes, Total	60.150	2.0	60.00	0	100	75	125				
Surr: 1,2-Dichloroethane-d4	25.520		25.00		102	72	119				
Surr: 4-Bromofluorobenzene	26.060		25.00		104	76	119				
Surr: Dibromofluoromethane	25.790		25.00		103	85	115				

Qualifiers:

- | | | |
|--|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits |
| S Spike/Surrogate outside of limits due to matrix interference | DO Surrogate Diluted Out | Calculations are based on raw values |



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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_SFPP

Sample ID: N010741-001CMS	SampType: MS	TestCode: 8260_WP_SF	Units: ug/L	Prep Date:	RunNo: 89886						
Client ID: ZZZZZ	Batch ID: P13VW124	TestNo: EPA 8260B	Analysis Date: 8/7/2013	SeqNo: 1627219							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Toluene-d8	25.570		25.00		102	81	120				
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Sample ID: N010741-001CMSD	SampType: MSD	TestCode: 8260_WP_SF	Units: ug/L	Prep Date:	RunNo: 89886						
Client ID: ZZZZZ	Batch ID: P13VW124	TestNo: EPA 8260B	Analysis Date: 8/7/2013	SeqNo: 1627220							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethane	20.260	0.50	20.00	0	101	69	133	19.59	3.36	20
1,2-Dichloroethane	19.840	0.50	20.00	0	99.2	69	132	19.22	3.17	20
2-Butanone	176.870	10	200.0	0	88.4	49	136	170.5	3.67	20
Benzene	19.610	1.0	20.00	0	98.0	81	122	19.40	1.08	20
Di-isopropyl ether	20.490	1.0	20.00	0	102	70	130	19.73	3.78	20
Ethylbenzene	19.710	1.0	20.00	0	98.6	73	127	19.54	0.866	20
m,p-Xylene	39.940	1.0	40.00	0	99.8	76	128	40.01	0.175	20
MTBE	19.890	1.0	20.00	0	99.4	65	123	19.22	3.43	20
o-Xylene	20.110	1.0	20.00	0	101	80	121	20.14	0.149	20
Tert-amyl methyl ether	19.580	1.0	20.00	0	97.9	70	130	19.46	0.615	20
Tert-Butanol	104.290	5.0	100.0	0	104	70	130	104.8	0.478	20
Toluene	19.640	2.0	20.00	0	98.2	77	122	19.52	0.613	20
Xylenes, Total	60.050	2.0	60.00	0	100	75	125	60.15	0.166	20
Surr: 1,2-Dichloroethane-d4	25.760		25.00		103	72	119		0	
Surr: 4-Bromofluorobenzene	25.590		25.00		102	76	119		0	
Surr: Dibromofluoromethane	25.800		25.00		103	85	115		0	
Surr: Toluene-d8	25.290		25.00		101	81	120		0	

Qualifiers:

- | | | | | | |
|---|--|----|-------------------------------------|---|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits |
| S | Spike/Surrogate outside of limits due to matrix interference | DO | Surrogate Diluted Out | | Calculations are based on raw values |



**Advanced Technology
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3151 W. Post Road
Las Vegas, NV 89118
Tel: 702-307-2659 Fax: 702-307-2691
Marlon Cartin (marlon@atl-labs.com)

DATE: 8/6/13
PAGE: OF 1

LABORATORY CLIENT: Kinder Morgan Energy Partners, Attn: Steve Defibaugh		CLIENT PROJECT NAME / NUMBER: SFPP - Norwalk Site
ADDRESS: 1100 Town & Country Road		QUOTE NO.:
CITY: Orange, CA 92868	FAX: 714-560-4601	LAB USE ONLY:
TEL: 714-560-4802	E-MAIL: scars.def@kemparts.com	
TURNAROUND TIME:	<input checked="" type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS	

<input type="checkbox"/> SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)	
<input type="checkbox"/> RWOCB REPORTING <input type="checkbox"/> ARCHIVE SAMPLES UNTIL / /	
SPECIAL INSTRUCTIONS: Report to D. Jablonski/CH2M HILL, cc: KMEP Direct Bill KMEP/SFPP - Steve Defibaugh-ref. AFE# 81195 "J" flags required/Use lowest possible detection limit - all methods.	

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	TIME	MAT- RIX	NO. OF CONT.	Oil & Grease (1664)	TPH-g, TPH-d, and TPH-0il (8015B)	Total TPH (as TPH-g, TPH-d, and TPH-0il) (8015B)	Settleable Solids (SM2540F)	Total Suspended Solids (SM2540D)	Phenol (420.1)	BTEX, Total Xylenes, 1,1-DCA, 1,2-DCA(826B)	MTBE and TBA, (8260B) 48HR TAT	Cu, Pb, TI, and Zn (200.8)	Se (200.8); Hg (245.1)	Cr VI (7199)	Ammonia Nitrogen (as N) (SM-4500 NH3C)	DPE, TAME, and MEK (8260B)	MBAs (SM 5540C)	Turbidity (SM2130B)	Comments	
	EFF-09-06	Effluent	8/6/13	13:00	WWW	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		Noid74-1

Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) Edward Rodriguez	Date: 8-6-13	Time: 14:15
Relinquished by: (Signature) Edward Rodriguez	Received by: (Signature) [Signature]	Date: 8-6-13	Time: 14:45
Relinquished by: (Signature) [Signature]	Received by: (Signature) HARLEY SAHMS	Date: 07AUG13	Time: 0828

Revised: 08/23/2012

TEMP: 4.4 (R)

Advanced Technology Laboratories, Inc.

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On: 8/7/2013 Workorder: N010741
 Rep sample Temp (Deg C): 4.4 IR Gun ID: 1
 Temp Blank: Yes No
 Carrier name: OnTrac
 Last 4 digits of Tracking No.: 0405 Packing Material Used: None
 Cooling process: Ice Ice Pack Dry Ice Other None

Sample Receipt Checklist

- | | | | |
|---|--|--|--|
| 1. Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 16. Were there Non-Conformance issues at login?
Was Client notified? | Yes <input type="checkbox"/>
Yes <input type="checkbox"/> | No <input type="checkbox"/>
No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>
NA <input checked="" type="checkbox"/> |

Comments:

Checklist Completed By: MBC *for: HSC* 8/7/2013

Reviewed By: *ergunzalan*

Advanced Technology Laboratories, Inc.

WORK ORDER Summary

07-Aug-13

WorkOrder: N010741

Client ID: CH2HI01

Project: SFPP - Norwalk Site

QC Level: RTNE

Date Received: 8/7/2013

Comments: Report to D. Jablonski/CH2M HILL, cc:KMEP.

Direct Bill KMEP/SFPP-Steve Defibaugh-ref.AFE# 81195. "J" Flags r

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N010741-001A	EFF-08-06	8/6/2013 1:10:00 PM	8/14/2013	Wastewater		Oil and Grease Sample Prep	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			8/14/2013		EPA 1664 _HEM	Hexane Extractable Material (HEM)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010741-001B			8/14/2013		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010741-001C			8/9/2013		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010741-001D			8/14/2013		SM2540F	SETTLEABLE MATTER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			8/14/2013			Setteable Matter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010741-001E			8/14/2013		SM2540D	TOTAL NON-FILTERABLE RESIDUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			8/14/2013			Total Suspended Solids Prep	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			8/14/2013		SM 2130B	TURBIDITY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			8/14/2013		EPA 7199	Hexavalent Chromium by IC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010741-001F			8/14/2013		EPA 420.1	PHENOLICS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
			8/14/2013			Phenols Prep	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N010741-001G			8/9/2013			AQPREP TOTAL METALS: ICP, FLAA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			8/9/2013		EPA 200.8	ICP-MS METALS BY COLLISION/REACTION CELL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			8/9/2013		EPA 200.8	ICPMS METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			8/9/2013		EPA 245.1	MERCURY BY COLD VAPOR TECHNIQUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			8/9/2013			MERCURY PREP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010741-001H			8/14/2013		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			8/14/2013		EPA 8015B	TPH EXTRACTABLE BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			8/14/2013		EPA 8015B	Total TPH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW

Advanced Technology Laboratories, Inc.

WORK ORDER Summary

07-Aug-13

WorkOrder: N010741

Client ID: CH2HI01

Project: SFPP - Norwalk Site

QC Level: RTNE

Date Received: 8/7/2013

Comments: Report to D. Jablonski/CH2M HILL, cc:KMEP.

Direct Bill KMEP/SFPP-Steve Defibaugh-ref.AFE# 81195. "J" Flags r

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N010741-001I	EFF-08-06	8/6/2013 1:10:00 PM		Wastewater			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010741-001J			8/14/2013		SM 5540 C	SURFACTANTS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N010741-001K			8/14/2013		SM4500-NH3C	AMMONIA-N	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N010741-002A	FOLDER		8/9/2013		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



OnTrac
On Time Delivery. For Less.
800.334.5000
ontrac.com

Waybill

2. FROM (Company)

Street Address: ENVIRO TREATMENT & TECHNOLOGY*

City: WALNUT AVE Suite

State: CA ZIP Code: 90735

Phone Number: 90735

PLEASE PRINT IN BLOCK LETTERS WITH BLUE OR BLACK INK ONLY

3. TO (Company) (We cannot deliver to PO boxes or P.O. ZIP codes)

Street Address: W POST RD

City: LAS VEGAS

State: NV ZIP Code: 89118

Phone Number: 702-707-2649

4. Shipper's Reference Number

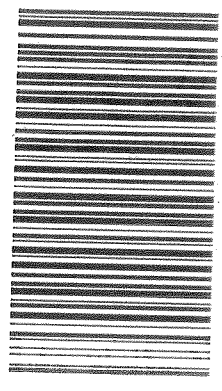
RETURNS PARTIAL FROM CH2M HILL

1a. OnTrac Account Number

Tracking Number: B10290520405

1b. Date: M M D D Y Y

Pre-Print Number



5. WEIGHT SUBJECT TO VERIFICATION

8 oz. Letter or **10 LBS**

6. SERVICE LEVEL (DIMENSIONAL WEIGHT TIMES RATE VARY)

Sunrise (NEXT BUSINESS MORNING)

Sunrise Gold (EARLY NEXT BUSINESS MORNING)

Parcelized Freight (NEXT BUSINESS DAY)

7. SERVICE OPTIONS (ADDITIONAL CHARGES MAY APPLY)

Signature Require

Saturday Delivery (AVAILABLE IN SELECT ZIP CODES)

Hold for Pickup (AT DESTINATION'S REQUEST)

8. COLLECT ON DELIVERY (ADDITIONAL CHARGE APPLIES)

SECURED PAYMENT (Money Order or Postal Check)

UNSECURED PAYMENT (Company or Personal Check)

9. DECLARED VALUE (ADDITIONAL CHARGE APPLIES)

LIABILITY LIMITED TO \$100 UNLESS DECLARED. \$10,000 LIABILITY LIMIT. SHIPMENTS WITH A DECLARED VALUE REQUIRE A DELIVERY SIGNATURE.

\$ **100.00**

10. PAYMENT (SHIPPER SELECTS IF NONE SELECTED)

Shipper Other Account

11a. Shipper's Name: F LAST

11b. Shipper's Signature: [Signature]

OnTrac Use: Driver Number / PU Time / Initials: 3 2 13 4 5

BY USING THIS WAYBILL YOU AGREE TO THE TERMS AND CONDITIONS ON THE BACK OF THE SHIPPED COPY

Recipient Copy



Advanced Technology Laboratories

3151-3153 W Post Rd., Las Vegas, NV 89118

www.atl-labs.com

TEL: 7023072659

FAX: 7023072691

CHAIN-OF-CUSTODY RECORD

QC Level: RTNE

Subcontractor:

Advanced Technology Laboratories - Signal Hill
3283 Walnut Ave.
Signal Hill, California

TEL: (562) 989-4045
FAX: (562) 989-4045
Acct #:

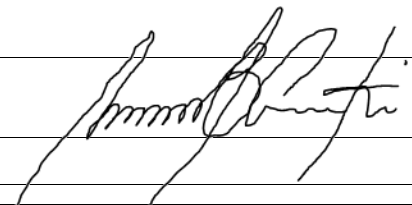
Field Sampler: James Dye

06-Aug-13

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests		
				EPA 420.1	SM 5540 C	SM4500-NH3C
N010741-001F / EFF-08-06	Wastewater	8/6/2013 1:10:00 PM	32OZA	1		
N010741-001J / EFF-08-06	Wastewater	8/6/2013 1:10:00 PM	8OZP 32 Oz Poly		1	
N010741-001K / EFF-08-06	Wastewater	8/6/2013 1:10:00 PM	8OZP			1

General Comments: Please email sample receipt acknowledgement to the PM.

Please use PO#:N010741 For questions, call Marlon at (702)-307-2659. Please e-mail results to marlon@atl-labs.com by: Normal TAT

Relinquished by: 	Date/Time	Received by: _____	Date/Time
	8/6/2013 4:45 PM		Received by: _____

Sample Control

From: Daniel.Jablonski@CH2M.com
Sent: Wednesday, August 07, 2013 10:19 AM
To: marlon@atl-labs.com; Samantha.Chen@CH2M.com
Cc: hanah.glodoviza@atl-labs.com; samplecontrol@atl-labs.com
Subject: RE: TAT for Metals

48 is fine

From: Marlon B. Cartin [<mailto:marlon@atl-labs.com>]
Sent: Wednesday, August 07, 2013 10:21 AM
To: Jablonski, Daniel/LAC; Chen, Samantha/SCO
Cc: hanah.glodoviza@atl-labs.com; Sample Control
Subject: RE: TAT for Metals

Hi Dan!

Will do. Do you want 24 or 48 Hours?

Marlon

From: Daniel.Jablonski@CH2M.com [<mailto:Daniel.Jablonski@CH2M.com>]
Sent: Wednesday, August 07, 2013 10:16 AM
To: marlon@atl-labs.com; Samantha.Chen@CH2M.com
Cc: hanah.glodoviza@atl-labs.com; samplecontrol@atl-labs.com
Subject: RE: TAT for Metals

Yes, do metals as well rush. thanks

From: Marlon B. Cartin [<mailto:marlon@atl-labs.com>]
Sent: Wednesday, August 07, 2013 9:43 AM
To: Chen, Samantha/SCO
Cc: hanah.glodoviza@atl-labs.com; Sample Control; Jablonski, Daniel/LAC
Subject: TAT for Metals

Hi Sam!

I have your samples here and looking at the COC, it looks like you don't need rush TAT for metals. You normally request rush TAT for metals and volatiles.

Please confirm.

Thanks,

Marlon B. Cartin

Advanced Technology Laboratories, Inc.

3151 W. Post Road

Las Vegas, NV 89118

Phone: 702-307-2659 ext 410

Mobile: 702-439-0421

www.atl-labs.com

Advanced Technology Laboratories, Inc. is a full-service environmental lab providing organic and inorganic analyses of soil, water, wastewater, storm water and hazardous waste samples. ATL is accredited by the State of California, NELAP and State of Nevada and holds various SBE, DBE and MBE certificates and a USDA soil permit. ATL takes pride in providing our customers with quick turnaround time, excellent customer service and defensible data while offering very competitive rates. Advanced Technology Labs, Inc. - Your Partner for Quality Environmental Testing

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August 16, 2013

Marlon Cartin
Advanced Technology Laboratory-Las Vegas
3151 W Post Rd.
Las Vegas, NV 89118
Tel: (702) 307-2659
Fax:(702) 307-2691



Re: ATL Work Order Number : 1302320
Client Reference : [none]

Enclosed are the results for sample(s) received on August 06, 2013 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.



Certificate of Analysis

Advanced Technology Laboratory-Las Vegas

Project Number : -

3151 W Post Rd.

Report To : Marlon Cartin

Las Vegas , NV 89118

Reported : 08/16/2013

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
N010741-001F / EFF-08-06	1302320-01	Wastewater	8/06/13 13:10	8/06/13 16:45
N010741-001J / EFF-08-06	1302320-02	Wastewater	8/06/13 13:10	8/06/13 16:45
N010741-001K / EFF-08-06	1302320-03	Wastewater	8/06/13 13:10	8/06/13 16:45

CASE NARRATIVE

The sample for EPA 420.1 (Phenols) and SM 5540C (MBAS) analyses was subcontracted to AETL with ELAP Cert.# 1541.



Certificate of Analysis

Advanced Technology Laboratory-Las Vegas
 3151 W Post Rd.
 Las Vegas , NV 89118

Project Number : -
 Report To : Marlon Cartin
 Reported : 08/16/2013

Client Sample ID N010741-001K / EFF-08-06
Lab ID: 1302320-03

Ammonia, as Nitrogen N by SM 4500NH3C

Analyst: PT

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Nitrogen, Ammonia (As N)	ND	0.15	NA	1	B3H0201	08/12/2013	08/12/13 14:10	

QUALITY CONTROL SECTION

Ammonia, as Nitrogen N by SM 4500NH3C - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
---------	------------------	---------------	----------------	------------------	-------	-----------------	-----	--------------	-------

Batch B3H0201 - Prep_WC_3_W

Blank (B3H0201-BLK1)				Prepared: 8/12/2013 Analyzed: 8/12/2013					
Nitrogen, Ammonia (As N)	ND	0.03			NR				
LCS (B3H0201-BS1)				Prepared: 8/12/2013 Analyzed: 8/12/2013					
Nitrogen, Ammonia (As N)	0.917000	0.03	1.00000		91.7	80 - 120			
Matrix Spike (B3H0201-MS1)				Source: 1302320-03 Prepared: 8/12/2013 Analyzed: 8/12/2013					
Nitrogen, Ammonia (As N)	4.93500	0.15	5.00000	ND	98.7	80 - 120			
Matrix Spike Dup (B3H0201-MSD1)				Source: 1302320-03 Prepared: 8/12/2013 Analyzed: 8/12/2013					
Nitrogen, Ammonia (As N)	4.97000	0.15	5.00000	ND	99.4	80 - 120	0.707	20	



Certificate of Analysis

Advanced Technology Laboratory-Las Vegas

Project Number : -

3151 W Post Rd.

Report To : Marlon Cartin

Las Vegas , NV 89118

Reported : 08/16/2013

Notes and Definitions

ND	Analyte not detected at or above reporting limit
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA1	CA-NELAP (CDPH)
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.



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

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225

Number of Pages 3
Date Received 08/07/2013
Date Reported 08/16/2013

Telephone: (562)989-4045
Attention: Rachelle Arada

Job Number	Order Date	Client
70252	08/07/2013	ATL

Project ID: 1302320
Project Name: PO# SC08122

Enclosed please find results of analyses of 2 water samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



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

Page: 1 A

Ordered By

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225

Project ID: 1302320
Date Received 08/07/2013
Date Reported 08/16/2013

Telephone: (562) 989-4045
Attention: Rachele Arada

Job Number	Order Date	Client
70252	08/07/2013	ATL

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 2 samples with the following specification on 08/07/2013.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers		
70252.01	1302320-01	08/06/2013	Aqueous	1		
	<i>Method ^ Submethod</i>	<i>Req Date</i>	<i>Priority</i>	<i>TAT</i>	<i>Units</i>	
	420.1	08/14/2013	2	Normal	mg/L	
70252.02	1302320-02	08/06/2013	Aqueous	1		
	<i>Method ^ Submethod</i>	<i>Req Date</i>	<i>Priority</i>	<i>TAT</i>	<i>Units</i>	
	SM-5540C	08/14/2013	2	Normal	mg/L	

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Checked By: 

Approved By: 

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

ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
 3275 Walnut Avenue
 Signal Hill, CA 90755-5225

Telephone: (562)989-4045

Attn: Rachelle Arada

Page: 2

Project ID: 1302320

Project Name: PO# SC08122

AETL Job Number	Submitted	Client
70252	08/07/2013	ATL

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

QC Batch No: 080913-1

Our Lab I.D.		Method Blank	70252.01			
Client Sample I.D.			1302320-01			
Date Sampled			08/06/2013			
Date Prepared		08/09/2013	08/09/2013			
Preparation Method		420.1	420.1			
Date Analyzed		08/09/2013	08/09/2013			
Matrix		Aqueous	Aqueous			
Units		mg/L	mg/L			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Phenolic compounds as phenol	0.15	0.30	ND	ND		

QUALITY CONTROL REPORT

QC Batch No: 080913-1; Dup or Spiked Sample: 70252.01; LCS: Clean Water; QC Prepared: 08/09/2013; QC Analyzed: 08/09/2013;

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	0.471	94.2	0.500	0.491	98.2	4.2	80-120	<15

QC Batch No: 080913-1; Dup or Spiked Sample: 70252.01; LCS: Clean Water; QC Prepared: 08/09/2013; QC Analyzed: 08/09/2013;

Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit		
Phenol	ND	ND	<1	<15	0.500	0.489	97.8	80-120		



American Environmental Testing Laboratory Inc.

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

ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
 3275 Walnut Avenue
 Signal Hill, CA 90755-5225

Telephone: (562)989-4045

Attn: Rachelle Arada

Page: 3

Project ID: 1302320

Project Name: PO# SC08122

AETL Job Number	Submitted	Client
70252	08/07/2013	ATL

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

QC Batch No: 080713-1

Our Lab I.D.		Method Blank	70252.02			
Client Sample I.D.			1302320-02			
Date Sampled			08/06/2013			
Date Prepared		08/07/2013	08/07/2013			
Preparation Method		SM5540C	SM5540C			
Date Analyzed		08/07/2013	08/07/2013			
Matrix		Aqueous	Aqueous			
Units		mg/L	mg/L			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Surfactants (MBAS)	0.05	0.05	ND	ND		

QUALITY CONTROL REPORT

QC Batch No: 080713-1; Dup or Spiked Sample: 70252.01; LCS: Clean Water; QC Prepared: 08/07/2013; QC Analyzed: 08/07/2013;

Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Surfactants (MBAS)	0.00	0.500	0.430X	86.0	0.500	0.427X	85.4	<1	80-120	<15

QC Batch No: 080713-1; Dup or Spiked Sample: 70252.01; LCS: Clean Water; QC Prepared: 08/07/2013; QC Analyzed: 08/07/2013;

Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit					
Surfactants (MBAS)	ND	ND	<1	<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.



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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

70252

ADVANCED TECHNOLOGY
LABORATORIES
SUBCONTRACT ORDER

Work Order: 1302320

SENDING LABORATORY:

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
Phone: 562.989.4045
Fax: 562.989.6348
Project Manager: Rachele Arada (Rachele@atglobal.com)

RECEIVING LABORATORY:

AETL
2834 North Naomi Street
Burbank, CA 91504
Phone : (818) 845-8200
Fax: (818) 845-8840
PO#: SC08122 - STANDARD TAT

(RA)

IMPORTANT : Please include Work Order # and PO # in your invoice.

Analysis	Due	Expires	Sampled	Comments
ATL Lab#: 1302320-01 420.1_5530BD_SUB [Phenolics]	08/14/13 17:00	09/03/13 13:10	08/06/13 13:10	70252.01
1-Amber H2SO4 - 1000mL				
ATL Lab#: 1302320-02 5540C_SUB [Surfactants, MBAS]	08/14/13 17:00	08/08/13 13:10	08/06/13 13:10	70252.02
1-Poly Unpres - 1000mL				

Released By: ABNDR KRW6/13 Date: 8/7/13 10:45AM Received By: Sargis-P Date: 08/07/13 1044
 Released By: Sargis-P Date: 08/07/13 1145 Received By: Herman Date: 08/07/13 1145

klchs



Advanced Technology Laboratories

3151-3153 W Post Rd., Las Vegas, NV 89118
 www.atl-labs.com
 TEL: 7023072659 FAX: 7023072691

CHAIN-OF-CUSTODY RECORD

QC Level: RTNE

Subcontractor:

Advanced Technology Laboratories - Signal Hill
 3283 Walnut Ave.
 Signal Hill, California

TEL: (562) 989-4045
 FAX: (562) 989-4045
 Acct #:

Field Sampler: James Dye


06-Aug-13

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests	
				EPA 420.1	SM 5540 C
N010741-001F / EFF-08-06	Wastewater	8/6/2013 1:10:00 PM	32OZA	1	SM4500-NH3C
N010741-001J / EFF-08-06	Wastewater	8/6/2013 1:10:00 PM	8OZP 32 Oz Poly	1	
N010741-001K / EFF-08-06	Wastewater	8/6/2013 1:10:00 PM	8OZP		1

130 2320 - 1
 ↓
 - 2
 - 3

General Comments: Please email sample receipt acknowledgement to the PM.

Please use PO#:N010741 For questions, call Marion at (702)-307-2659. Please e-mail results to marlon@atl-labs.com by: Normal TAT

Relinquished by: 	Date/Time
Relinquished by: _____	8/6/2013 4:45 PM
Received by: _____	8/6/13 1645
Received by: _____	

CHAIN OF CUSTODY RECORD
 Page ___ of ___

Instruction: Complete all shaded areas.

For Laboratory Use Only
 ATLCOC Ver: 20130715

Method of Transport
 Client
 FedEx
 UPS
 Other: _____

Simple Conditions Upon Receipt
 Condition Y N
 1. CHILLED Y N
 2. HEADSPACE (VOA) Y N
 3. CONTAINER INTACT Y N
 4. SEALED Y N

Company: **Advanced Technology Laboratory-Las Vegas** Address: **3151 W Post Rd.** City: **Las Vegas** State: **NV** Zip: **89118** Tel: **(702) 307-2659** Fax: **(702) 307-2691**

Attn: _____ Email: _____

Company: **Advanced Technology Laboratory-Las Vegas** Address: _____ City: _____ State: _____ Zip: _____

SEND REPORT TO: _____ Email: _____

SEND INVOICE TO: _____

Same as SEND REPORT TO

ITEM	Lab No.	Sample ID / Location	Sample Description	Date	Time	Remarks
1				08/07/13		
2						
3						
4						
5						
6						
7						
8						
9						
10						

Project Name: **CH2M HILL- Norwalk** Quote #: _____
 Project No.: _____ PO #: _____
 Sampler: _____

Special Instructions/Comments:
45 min shipping time

Endcircle or Write Requested Analysis

<input type="checkbox"/>	8260 / 624 (Volatiles)	<input type="checkbox"/>	8015 (GRO)	<input type="checkbox"/>	8015 (DRO)	<input type="checkbox"/>	8270 (Semi-volatiles)	<input type="checkbox"/>	8081 (Organochlorine Pesticides)	<input type="checkbox"/>	8082 (PCBs)	<input type="checkbox"/>	6010 / 7000 (Title 22 Metals)	<input type="checkbox"/>	TO-15	<input checked="" type="checkbox"/>	Field Services
--------------------------	------------------------	--------------------------	------------	--------------------------	------------	--------------------------	-----------------------	--------------------------	----------------------------------	--------------------------	-------------	--------------------------	-------------------------------	--------------------------	-------	-------------------------------------	----------------

Endcircle Sample Matrix

<input type="checkbox"/>	Select Soil Matrix
<input type="checkbox"/>	Select Solid Matrix
<input type="checkbox"/>	Select Water Matrix
<input type="checkbox"/>	Select Wastewater Matrix
<input type="checkbox"/>	Select Aqueous Matrix
<input type="checkbox"/>	Enter Custom Matrix

Container

Type: 1=Rub; 2=VO; 3=Liter; 4=Pin; 5=Bag; 6=Can; 7=Canister

Material: 1=Glass; 2=Plastic; 3=Metal

Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=AC; 5=2n (Ac2); 6=NaOH; 7=NA2S2O3

QA/QC
 Routine
 Caltrans
 Legal
 RWQCB
 Level IV

REMARKS

As the authorized agent of the company above, I hereby purchase laboratory services from ATL as shown above and hereby guarantee payment as quoted.

Submitter Print Name: _____ Signature: _____
 Date: 8/7/13 Time: _____
 Date: _____ Time: _____

Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____
 Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____
 Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____

1. Sample receiving hours: 7:30 AM to 7:30 PM Monday - Friday, Saturday 8:00 AM to 12:00 PM.
 2. Samples submitted after 3:00 PM are considered received the following business day at 6:00 AM.
 3. The following turnaround time, excluding on-site prep:
 TAT = 0 - 100% SURCHARGE NEXT BUSINESS DAY (COB 5:00 PM)
 TAT = 1 - 50% SURCHARGE 2ND BUSINESS DAY (COB 5:00 PM)
 TAT = 2 - 20% SURCHARGE 3RD BUSINESS DAY (COB 5:00 PM)
 TAT = 3 - 10% SURCHARGE 4TH BUSINESS DAY (COB 5:00 PM)
 TAT = 4 - 5% SURCHARGE 5TH BUSINESS DAY (COB 5:00 PM)
 TAT = 5 - NO SURCHARGE. 5th business days. Projects requiring shorter TATs will incur a surcharge.
 4. Weekend, holiday, after-hours work - ask for quote.
 5. Subcontract TAT is 10 - 15 business days. Projects requiring shorter TATs will incur a surcharge.
 6. Liquid and solid samples will be disposed of after 45 calendar days from receipt of samples. Air
 7. Electronic records maintained for five (5) years from report date.
 8. Hard copy reports will be disposed of after 45 calendar days from report date.
 9. Storage and Report Fees:
 - Liquid & solid samples: Complimentary storage for forty-five (45) calendar days from receipt of samples; \$2/sample/month if extended storage or hold is requested.
 - Air: Complimentary storage for ten (10) calendar days from receipt of samples; \$20/sample/week if extended storage is requested.
 - Hard copy and regenerated reports (EDOs): \$17.50 per hard copy report requested; \$50.00 per regenerated/reformatted report; \$35 per regenerated EDO.
 10. Rush TAT/STLC samples: add 2 days to analysis fee of \$7 per sample.
 11. Unanalyzed samples will incur a disposal fee of \$7 per sample.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3151 W. Post Road
Las Vegas, NV 89118

Tel: 702-307-2659 Fax: 702-307-2691

Marlon Cartin (marlon@atl-labs.com)

DATE: **8/6/13**
PAGE: _____ OF _____

LABORATORY CLIENT: Kinder Morgan Energy Partners, Attn: Steve Defibaugh 1100 Town & Country Road Orange, CA 92868 TEL: 714-560-4802 E-MAIL: James.Dye@kindermorgan.com FAX: 714-560-4601 TURNAROUND TIME <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input checked="" type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) <input type="checkbox"/> RWQCB REPORTING <input type="checkbox"/> ARCHIVE SAMPLES UNTIL / / SPECIAL INSTRUCTIONS Report to D. Jablonski/CH2M HILL, cc: KMEP Direct Bill KMEP/SFPP - Steve Defibaugh-ref. AFE# 81195 "J" flags required/Use lowest possible detection limit - all methods.	CLIENT PROJECT NAME / NUMBER: SFPP - Norwalk Site PROJECT CONTACT: James Dye SAMPLER(S) (SIGMA)	P.O. NO.: QUOTE NO.: LAB USE ONLY																																																																																				
REQUESTED ANALYSIS																																																																																						
<input checked="" type="checkbox"/> Oil & Grease (1664) <input checked="" type="checkbox"/> TPH-g, TPH-d, and TPH-ol (8015B) <input checked="" type="checkbox"/> TPH-g, TPH-d, and TPH-ol (8015B) <input checked="" type="checkbox"/> Total TPH (as TPH-g, TPH-d, and TPH-ol) (8015B) <input checked="" type="checkbox"/> Settleable Solids (SM2540F) <input checked="" type="checkbox"/> Total Suspended Solids (SM2540D) <input checked="" type="checkbox"/> Phenol (420.1) <input checked="" type="checkbox"/> BTEX, Total Xylenes, 1,1-DCA, 1,2-DCA(8260B) <input checked="" type="checkbox"/> MTBE and TBA, (8260B) 48HR TAT <input checked="" type="checkbox"/> Cu, Pb, Tl, and Zn (200.8) <input checked="" type="checkbox"/> Se (200.8); Hg (245.1) <input checked="" type="checkbox"/> Cr VI (7199) <input checked="" type="checkbox"/> Ammonia Nitrogen (as N) (SM-4500 NH3C) <input checked="" type="checkbox"/> DPE, TAME, and MEK (8260B) <input checked="" type="checkbox"/> MBAs (SM 5540C) <input checked="" type="checkbox"/> Turbidity (SM2130B)																																																																																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">LAB USE ONLY</th> <th rowspan="2">SAMPLE ID</th> <th rowspan="2">LOCATION/ DESCRIPTION</th> <th colspan="2">SAMPLING</th> <th rowspan="2">MAT- RIX</th> <th rowspan="2">No. of CONT.</th> </tr> <tr> <th>DATE</th> <th>TIME</th> </tr> </thead> <tbody> <tr> <td></td> <td>EFF-09-06</td> <td>Effluent</td> <td>8/6/13</td> <td>13:00</td> <td>WW</td> <td>2</td> </tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>	LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING		MAT- RIX	No. of CONT.	DATE	TIME		EFF-09-06	Effluent	8/6/13	13:00	WW	2																																																									<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">Comments</th> </tr> </thead> <tbody> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> </tbody> </table>	Comments												
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Relinquished by: (Signature) <i>[Signature]</i> Relinquished by: (Signature) <i>[Signature]</i> Relinquished by: (Signature) <i>[Signature]</i> Revised: 08/23/2012	Received by: (Signature) <i>[Signature]</i> Received by: (Signature) <i>[Signature]</i> Received by: (Signature) <i>[Signature]</i>	Date: 8-6-13 Time: 14:15 Date: 8-6-13 Time: 14:45 Date: Time:																																																																																				

September 19, 2013

Daniel Jablonski
CH2M HILL
155 Grand Avenue, Suite 1000
Oakland, CA 94612
TEL: (213)228-8271
FAX: (510) 622-9129

CA-ELAP No.:2676
NV Cert. No.:NV-009222007A

Workorder No.: N010985

RE: SFPP - Norwalk Site

Attention: Daniel Jablonski

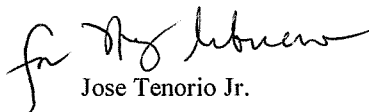
Enclosed are the results for sample(s) received on September 11, 2013 by Advanced Technology Laboratories, Inc. . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an amended report. Please disregard all previous documentation that corresponds to the page(s) enclosed.

Thank you for the opportunity to service the needs of your company.

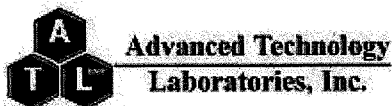
Please feel free to call me at (702) 307-2659 if I can be of further assistance to your company.

Sincerely,



Jose Tenorio Jr.
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories - Las Vegas.



3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

CLIENT: CH2M HILL
Project: SFPP - Norwalk Site
Lab Order: N010985
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N010985-001A	EFF-09-10	Wastewater	9/10/2013 1:00:00 PM	9/11/2013	9/18/2013
N010985-001B	EFF-09-10	Wastewater	9/10/2013 1:00:00 PM	9/11/2013	9/18/2013
N010985-001C	EFF-09-10	Wastewater	9/10/2013 1:00:00 PM	9/11/2013	9/18/2013
N010985-001D	EFF-09-10	Wastewater	9/10/2013 1:00:00 PM	9/11/2013	9/18/2013
N010985-001E	EFF-09-10	Wastewater	9/10/2013 1:00:00 PM	9/11/2013	9/18/2013
N010985-001F	EFF-09-10	Wastewater	9/10/2013 1:00:00 PM	9/11/2013	9/18/2013
N010985-001G	EFF-09-10	Wastewater	9/10/2013 1:00:00 PM	9/11/2013	9/18/2013
N010985-001H	EFF-09-10	Wastewater	9/10/2013 1:00:00 PM	9/11/2013	9/18/2013
N010985-001I	EFF-09-10	Wastewater	9/10/2013 1:00:00 PM	9/11/2013	9/18/2013



CLIENT: CH2M HILL
Project: SFPP - Norwalk Site
Lab Order: N010985

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

Samples were received intact with proper chain of custody documentation.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Samples were analyzed within method holding time.

Results were J-Flag. "J" is used to flag those results that are between the PQL (Practical Quantitation Limit) and the calculated MDL (Method Detection Limit). Results that are "J" Flagged are estimated values since it becomes difficult to accurately quantitate the analyte near the MDL.

Subcontracted Analyses:

Phenols by EPA 420.1 was subcontracted to AETL-Burbank,CA.



CLIENT: CH2M HILL
Lab Order: N010985
Project: SFPP - Norwalk Site
Lab ID: N010985-001

Client Sample ID: EFF-09-10
Collection Date: 9/10/2013 1:00:00 PM
Matrix: WASTEWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
----------	--------	-----	-----	------	-------	----	---------------

SETTLABLE MATTER

SM2540F

RunID: WETCHEM_130911B	QC Batch: R90258				PrepDate:		Analyst: JT
Settleable Matter	ND	0.10	0.10		m/L	1	9/11/2013

HEXANE EXTRACTABLE MATERIAL (HEM)

EPA 1664 _HEM

RunID: WETCHEM_130918C	QC Batch: 43906				PrepDate: 9/18/2013		Analyst: QBM
Oil & Grease	ND	1.2	4.3		mg/L	1	9/18/2013

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS5_130911A	QC Batch: P13VW139				PrepDate:		Analyst: QBM
1,1-Dichloroethane	ND	0.062	0.50		ug/L	1	9/11/2013 11:07 AM
1,2-Dichloroethane	ND	0.044	0.50		ug/L	1	9/11/2013 11:07 AM
Benzene	ND	0.048	1.0		ug/L	1	9/11/2013 11:07 AM
Ethylbenzene	ND	0.036	1.0		ug/L	1	9/11/2013 11:07 AM
m,p-Xylene	ND	0.14	1.0		ug/L	1	9/11/2013 11:07 AM
MTBE	0.87	0.098	1.0	J	ug/L	1	9/11/2013 11:07 AM
o-Xylene	ND	0.042	1.0		ug/L	1	9/11/2013 11:07 AM
Tert-Butanol	ND	1.0	5.0		ug/L	1	9/11/2013 11:07 AM
Toluene	ND	0.034	2.0		ug/L	1	9/11/2013 11:07 AM
Xylenes, Total	ND	1.5	2.0		ug/L	1	9/11/2013 11:07 AM
Surr: 1,2-Dichloroethane-d4	105	0	72-119		%REC	1	9/11/2013 11:07 AM
Surr: 4-Bromofluorobenzene	102	0	76-119		%REC	1	9/11/2013 11:07 AM
Surr: Dibromofluoromethane	103	0	85-115		%REC	1	9/11/2013 11:07 AM
Surr: Toluene-d8	102	0	81-120		%REC	1	9/11/2013 11:07 AM

TPH EXTRACTABLE BY GC/FID

EPA 3510C

EPA 8015B

RunID: GC3_130911A	QC Batch: 43855				PrepDate: 9/11/2013		Analyst: MDM
TPH-Diesel (C13-C22)	ND	13	50		ug/L	1	9/11/2013 04:04 PM
TPH-Oil (C23-C36)	9.6	9.6	50	J	ug/L	1	9/11/2013 04:04 PM
Surr: Octacosane	78.5	0	26-152		%REC	1	9/11/2013 04:04 PM
Surr: p-Terphenyl	79.9	0	57-132		%REC	1	9/11/2013 04:04 PM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B

RunID: GC4_130911A	QC Batch: E13VW051				PrepDate:		Analyst: PN
---------------------------	---------------------------	--	--	--	-----------	--	--------------------

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

E Value above quantitation range
J Analyte detected below quantitation limits
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out



CLIENT: CH2M HILL	Client Sample ID: EFF-09-10
Lab Order: N010985	Collection Date: 9/10/2013 1:00:00 PM
Project: SFPP - Norwalk Site	Matrix: WASTEWATER
Lab ID: N010985-001	

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B

RunID: GC4_130911A	QC Batch: E13VW051	PrepDate:	Analyst: PN
TPH-Gasoline (C4-C12)	ND 8.5	100	ug/L 1 9/11/2013 12:09 PM
Surr: Chlorobenzene - d5	98.9 0	74-138	%REC 1 9/11/2013 12:09 PM

HEXAVALENT CHROMIUM BY IC

EPA 7199

RunID: IC6_130911A	QC Batch: R90273	PrepDate:	Analyst: QBM
Hexavalent Chromium	ND 0.014	0.20	ug/L 1 9/11/2013 11:29 AM

MERCURY BY COLD VAPOR TECHNIQUE

EPA 245.1

RunID: AA1_130911A	QC Batch: 43863	PrepDate: 9/11/2013	Analyst: JT
Mercury	ND 0.026	0.050	ug/L 1 9/11/2013

ICP-MS METALS BY COLLISION/REACTION CELL

EPA 200.8

RunID: ICP7_130911B	QC Batch: 43857	PrepDate: 9/11/2013	Analyst: JT
Selenium	0.13 0.084	0.50	J ug/L 1 9/11/2013 04:42 PM

ICPMS METALS

EPA 200.8

RunID: ICP7_130911B	QC Batch: 43857	PrepDate: 9/11/2013	Analyst: JT
Copper	ND 0.14	0.50	ug/L 1 9/11/2013 04:42 PM
Lead	ND 0.15	0.50	ug/L 1 9/12/2013 04:06 PM
Thallium	ND 0.075	0.50	ug/L 1 9/12/2013 04:06 PM
Zinc	2.1 1.3	10	J ug/L 1 9/12/2013 04:06 PM

TOTAL TPH

EPA 3510C

EPA 8015B

RunID: GC3_130911A	QC Batch: 43855	PrepDate: 9/11/2013	Analyst: MDM
Total TPH	9.6 8.5	100	ug/L 1 9/11/2013 04:04 PM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	S Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO Surrogate Diluted Out



CLIENT: CH2M HILL
Work Order: N010985
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 160.5_2540F_W

Sample ID: MB-R90258	SampType: MBLK	TestCode: 160.5_2540F_ Units: m/L	Prep Date:	RunNo: 90258							
Client ID: PBW	Batch ID: R90258	TestNo: SM2540F	Analysis Date: 9/11/2013	SeqNo: 1644341							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Settleable Matter	ND	0.10									

Qualifiers:

- | | | | | | |
|---|--|----|-------------------------------------|---|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits |
| S | Spike/Surrogate outside of limits due to matrix interference | DO | Surrogate Diluted Out | | Calculations are based on raw values |



CLIENT: CH2M HILL
Work Order: N010985
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 1664_HEM_W

Sample ID: MB-43906	SampType: MBLK	TestCode: 1664_HEM_W	Units: mg/L	Prep Date: 9/18/2013	RunNo: 90337						
Client ID: PBW	Batch ID: 43906	TestNo: EPA 1664_H		Analysis Date: 9/18/2013	SeqNo: 1646985						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Oil & Grease ND 4.0

Sample ID: LCS-43906	SampType: LCS	TestCode: 1664_HEM_W	Units: mg/L	Prep Date: 9/18/2013	RunNo: 90337						
Client ID: LCSW	Batch ID: 43906	TestNo: EPA 1664_H		Analysis Date: 9/18/2013	SeqNo: 1646986						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Oil & Grease 37.900 4.0 40.00 0 94.8 78 114

Sample ID: N010985-001A-MS	SampType: MS	TestCode: 1664_HEM_W	Units: mg/L	Prep Date: 9/18/2013	RunNo: 90337						
Client ID: ZZZZZ	Batch ID: 43906	TestNo: EPA 1664_H		Analysis Date: 9/18/2013	SeqNo: 1646988						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Oil & Grease 38.298 4.3 42.55 0 90.0 78 114

Sample ID: N010985-001A-MSD	SampType: MSD	TestCode: 1664_HEM_W	Units: mg/L	Prep Date: 9/18/2013	RunNo: 90337						
Client ID: ZZZZZ	Batch ID: 43906	TestNo: EPA 1664_H		Analysis Date: 9/18/2013	SeqNo: 1646989						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Oil & Grease 36.596 4.3 42.55 0 86.0 78 114 38.30 4.55 18

Qualifiers:

- | | | | | | |
|---|--|----|-------------------------------------|---|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits |
| S | Spike/Surrogate outside of limits due to matrix interference | DO | Surrogate Diluted Out | | Calculations are based on raw values |



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CLIENT: CH2M HILL
Work Order: N010985
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8_W_DRC

Sample ID: MB-43857	SampType: MBLK	TestCode: 200.8_W_DR	Units: µg/L	Prep Date: 9/11/2013	RunNo: 90268						
Client ID: PBW	Batch ID: 43857	TestNo: EPA 200.8		Analysis Date: 9/11/2013	SeqNo: 1645019						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium ND 0.50

Sample ID: LCS-43857	SampType: LCS	TestCode: 200.8_W_DR	Units: µg/L	Prep Date: 9/11/2013	RunNo: 90268						
Client ID: LCSW	Batch ID: 43857	TestNo: EPA 200.8		Analysis Date: 9/11/2013	SeqNo: 1645021						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium 10.098 0.50 10.00 0 101 85 115

Sample ID: N010985-001G-MS	SampType: MS	TestCode: 200.8_W_DR	Units: µg/L	Prep Date: 9/11/2013	RunNo: 90268						
Client ID: ZZZZZ	Batch ID: 43857	TestNo: EPA 200.8		Analysis Date: 9/11/2013	SeqNo: 1645025						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium 9.744 0.50 10.00 0.1269 96.2 75 125

Sample ID: N010985-001G-MSD	SampType: MSD	TestCode: 200.8_W_DR	Units: µg/L	Prep Date: 9/11/2013	RunNo: 90268						
Client ID: ZZZZZ	Batch ID: 43857	TestNo: EPA 200.8		Analysis Date: 9/11/2013	SeqNo: 1645026						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium 9.850 0.50 10.00 0.1269 97.2 75 125 9.744 1.08 20

Qualifiers:

- | | | |
|--|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits |
| S Spike/Surrogate outside of limits due to matrix interference | DO Surrogate Diluted Out | Calculations are based on raw values |



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CLIENT: CH2M HILL
 Work Order: N010985
 Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8_W_SFPP

Sample ID: MB-43857	SampType: MBLK	TestCode: 200.8_W_SFPP	Units: µg/L	Prep Date: 9/11/2013	RunNo: 90268						
Client ID: PBW	Batch ID: 43857	TestNo: EPA 200.8		Analysis Date: 9/11/2013	SeqNo: 1645048						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper ND 0.50

Sample ID: LCS-43857	SampType: LCS	TestCode: 200.8_W_SFPP	Units: µg/L	Prep Date: 9/11/2013	RunNo: 90268						
Client ID: LCSW	Batch ID: 43857	TestNo: EPA 200.8		Analysis Date: 9/11/2013	SeqNo: 1645050						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper 10.964 0.50 10.00 0 110 85 115

Sample ID: N010985-001G-MS	SampType: MS	TestCode: 200.8_W_SFPP	Units: µg/L	Prep Date: 9/11/2013	RunNo: 90268						
Client ID: ZZZZZ	Batch ID: 43857	TestNo: EPA 200.8		Analysis Date: 9/11/2013	SeqNo: 1645054						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper 9.071 0.50 10.00 0 90.7 75 125

Sample ID: N010985-001G-MSD	SampType: MSD	TestCode: 200.8_W_SFPP	Units: µg/L	Prep Date: 9/11/2013	RunNo: 90268						
Client ID: ZZZZZ	Batch ID: 43857	TestNo: EPA 200.8		Analysis Date: 9/11/2013	SeqNo: 1645055						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper 9.117 0.50 10.00 0 91.2 75 125 9.071 0.513 20

Sample ID: MB-43857	SampType: MBLK	TestCode: 200.8_W_SFPP	Units: µg/L	Prep Date: 9/11/2013	RunNo: 90280						
Client ID: PBW	Batch ID: 43857	TestNo: EPA 200.8		Analysis Date: 9/12/2013	SeqNo: 1645164						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 0.50
 Thallium ND 0.50
 Zinc ND 10

Qualifiers:

- | | | |
|--|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits |
| S Spike/Surrogate outside of limits due to matrix interference | DO Surrogate Diluted Out | Calculations are based on raw values |



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CLIENT: CH2M HILL
Work Order: N010985
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8_W_SFPP

Sample ID: LCS-43857	SampType: LCS	TestCode: 200.8_W_SFPP	Units: µg/L	Prep Date: 9/11/2013	RunNo: 90280						
Client ID: LCSW	Batch ID: 43857	TestNo: EPA 200.8	Analysis Date: 9/12/2013	SeqNo: 1645165							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.954	0.50	10.00	0	110	85	115				
Thallium	10.706	0.50	10.00	0	107	85	115				
Zinc	101.396	10	100.0	0	101	85	115				

Sample ID: N010985-001G-MS	SampType: MS	TestCode: 200.8_W_SFPP	Units: µg/L	Prep Date: 9/11/2013	RunNo: 90280						
Client ID: ZZZZZ	Batch ID: 43857	TestNo: EPA 200.8	Analysis Date: 9/12/2013	SeqNo: 1645169							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.295	0.50	10.00	0	103	75	125				
Thallium	11.104	0.50	10.00	0	111	75	125				
Zinc	92.775	10	100.0	2.052	90.7	75	125				

Sample ID: N010985-001G-MSD	SampType: MSD	TestCode: 200.8_W_SFPP	Units: µg/L	Prep Date: 9/11/2013	RunNo: 90280						
Client ID: ZZZZZ	Batch ID: 43857	TestNo: EPA 200.8	Analysis Date: 9/12/2013	SeqNo: 1645170							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.341	0.50	10.00	0	103	75	125	10.29	0.451	20	
Thallium	11.092	0.50	10.00	0	111	75	125	11.10	0.112	20	
Zinc	92.166	10	100.0	2.052	90.1	75	125	92.78	0.659	20	

Qualifiers:

- | | | |
|--|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
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CLIENT: CH2M HILL
Work Order: N010985
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 245.1_W_LL

Sample ID: LCS-43863	SampType: LCS	TestCode: 245.1_W_LL	Units: µg/L	Prep Date: 9/11/2013	RunNo: 90267						
Client ID: LCSW	Batch ID: 43863	TestNo: EPA 245.1		Analysis Date: 9/11/2013	SeqNo: 1644436						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	2.583	0.050	2.500	0	103	85	115				
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Sample ID: MB-43863	SampType: MBLK	TestCode: 245.1_W_LL	Units: µg/L	Prep Date: 9/11/2013	RunNo: 90267						
Client ID: PBW	Batch ID: 43863	TestNo: EPA 245.1		Analysis Date: 9/11/2013	SeqNo: 1644437						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	ND	0.050									
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Sample ID: N010985-001G-MS	SampType: MS	TestCode: 245.1_W_LL	Units: µg/L	Prep Date: 9/11/2013	RunNo: 90267						
Client ID: ZZZZZ	Batch ID: 43863	TestNo: EPA 245.1		Analysis Date: 9/11/2013	SeqNo: 1644439						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	2.593	0.050	2.500	0	104	75	125				
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Sample ID: N010985-001G-MSD	SampType: MSD	TestCode: 245.1_W_LL	Units: µg/L	Prep Date: 9/11/2013	RunNo: 90267						
Client ID: ZZZZZ	Batch ID: 43863	TestNo: EPA 245.1		Analysis Date: 9/11/2013	SeqNo: 1644440						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	2.593	0.050	2.500	0	104	75	125	2.593	0.0224	20	
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Qualifiers:

- | | | |
|--|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
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| S Spike/Surrogate outside of limits due to matrix interference | DO Surrogate Diluted Out | Calculations are based on raw values |



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CLIENT: CH2M HILL
Work Order: N010985
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 7199_WPGE

Sample ID: MB-R90273	SampType: MBLK	TestCode: 7199_WPGE	Units: µg/L	Prep Date:	RunNo: 90273						
Client ID: PBW	Batch ID: R90273	TestNo: EPA 7199		Analysis Date: 9/11/2013	SeqNo: 1644726						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexavalent Chromium ND 0.20

Sample ID: LCS-R90273	SampType: LCS	TestCode: 7199_WPGE	Units: µg/L	Prep Date:	RunNo: 90273						
Client ID: LCSW	Batch ID: R90273	TestNo: EPA 7199		Analysis Date: 9/11/2013	SeqNo: 1644727						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexavalent Chromium 4.835 0.20 5.000 0 96.7 90 110

Sample ID: N010985-001DUP	SampType: DUP	TestCode: 7199_WPGE	Units: µg/L	Prep Date:	RunNo: 90273						
Client ID: ZZZZZ	Batch ID: R90273	TestNo: EPA 7199		Analysis Date: 9/11/2013	SeqNo: 1644729						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexavalent Chromium ND 0.20 0 0 20

Sample ID: N010985-001IMS	SampType: MS	TestCode: 7199_WPGE	Units: µg/L	Prep Date:	RunNo: 90273						
Client ID: ZZZZZ	Batch ID: R90273	TestNo: EPA 7199		Analysis Date: 9/11/2013	SeqNo: 1644730						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexavalent Chromium 0.975 0.20 1.000 0 97.5 85 115

Sample ID: N010967-003AMS	SampType: MS	TestCode: 7199_WPGE	Units: µg/L	Prep Date:	RunNo: 90273						
Client ID: ZZZZZ	Batch ID: R90273	TestNo: EPA 7199		Analysis Date: 9/11/2013	SeqNo: 1644732						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexavalent Chromium 2.602 0.20 1.000 1.577 103 85 115

Qualifiers:

- | | | | | | |
|---|--|----|-------------------------------------|---|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits |
| S | Spike/Surrogate outside of limits due to matrix interference | DO | Surrogate Diluted Out | | Calculations are based on raw values |



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CLIENT: CH2M HILL
Work Order: N010985
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 7199_WPGE

Sample ID: N010967-003AMSD	SampType: MSD	TestCode: 7199_WPGE	Units: µg/L	Prep Date:	RunNo: 90273						
Client ID: ZZZZZZ	Batch ID: R90273	TestNo: EPA 7199		Analysis Date: 9/11/2013	SeqNo: 1644733						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium	2.575	0.20	1.000	1.577	99.9	85	115	2.602	1.02	20	

Qualifiers:

- | | | | | | |
|---|--|----|-------------------------------------|---|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits |
| S | Spike/Surrogate outside of limits due to matrix interference | DO | Surrogate Diluted Out | | Calculations are based on raw values |



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CLIENT: CH2M HILL
Work Order: N010985
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_FP_SFPP

Sample ID: MB-43855	SampType: MBLK	TestCode: 8015_W_FP_	Units: ug/L	Prep Date: 9/11/2013	RunNo: 90283						
Client ID: PBW	Batch ID: 43855	TestNo: EPA 8015B	EPA 3510C	Analysis Date: 9/11/2013	SeqNo: 1645264						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Diesel (C13-C22)	ND	50									
TPH-Oil (C23-C36)	10.242	50									J
Surr: Octacosane	62.840		80.00		78.6	26	152				
Surr: p-Terphenyl	64.923		80.00		81.2	57	132				

Qualifiers:

- | | | |
|--|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits |
| S Spike/Surrogate outside of limits due to matrix interference | DO Surrogate Diluted Out | Calculations are based on raw values |



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CLIENT: CH2M HILL
Work Order: N010985
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_SFPTOT

Sample ID: MB-43855	SampType: MBLK	TestCode: 8015_W_SFP	Units: ug/L	Prep Date: 9/11/2013	RunNo: 90283						
Client ID: PBW	Batch ID: 43855	TestNo: EPA 8015B EPA 3510C		Analysis Date: 9/11/2013	SeqNo: 1645266						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total TPH	ND	100									

Qualifiers:

- | | | | | | |
|---|--|----|-------------------------------------|---|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits |
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CLIENT: CH2M HILL
Work Order: N010985
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015GAS_WSFPP

Sample ID: E130911LCS	SampType: LCS	TestCode: 8015GAS_WS	Units: ug/L	Prep Date:	RunNo: 90266						
Client ID: LCSW	Batch ID: E13VW051	TestNo: EPA 8015B		Analysis Date: 9/11/2013	SeqNo: 1644451						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH-Gasoline (C4-C12)	915.000	100	1000	0	91.5	67	136				
Surr: Chlorobenzene - d5	45833.000		50000		91.7	74	138				

Sample ID: E130911MB1	SampType: MBLK	TestCode: 8015GAS_WS	Units: ug/L	Prep Date:	RunNo: 90266						
Client ID: PBW	Batch ID: E13VW051	TestNo: EPA 8015B		Analysis Date: 9/11/2013	SeqNo: 1644452						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH-Gasoline (C4-C12)	ND	100									
Surr: Chlorobenzene - d5	47247.000		50000		94.5	74	138				

Sample ID: N010963-001BMS	SampType: MS	TestCode: 8015GAS_WS	Units: ug/L	Prep Date:	RunNo: 90266						
Client ID: ZZZZZ	Batch ID: E13VW051	TestNo: EPA 8015B		Analysis Date: 9/11/2013	SeqNo: 1644455						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH-Gasoline (C4-C12)	986.000	100	1000	0	98.6	67	136				
Surr: Chlorobenzene - d5	46411.000		50000		92.8	74	138				

Sample ID: N010963-001BMSD	SampType: MSD	TestCode: 8015GAS_WS	Units: ug/L	Prep Date:	RunNo: 90266						
Client ID: ZZZZZ	Batch ID: E13VW051	TestNo: EPA 8015B		Analysis Date: 9/11/2013	SeqNo: 1644456						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH-Gasoline (C4-C12)	1004.000	100	1000	0	100	67	136	986.0	1.81	30	
Surr: Chlorobenzene - d5	48324.000		50000		96.6	74	138		0	0	

Qualifiers:

- | | | |
|--|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits |
| S Spike/Surrogate outside of limits due to matrix interference | DO Surrogate Diluted Out | Calculations are based on raw values |



**Advanced Technology
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

CLIENT: CH2M HILL
Work Order: N010985
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_SFPP

Sample ID: P130911LCS	SampType: LCS	TestCode: 8260_WP_SF	Units: ug/L	Prep Date:	RunNo: 90260						
Client ID: LCSW	Batch ID: P13VW139	TestNo: EPA 8260B		Analysis Date: 9/11/2013	SeqNo: 1644459						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	19.860	0.50	20.00	0	99.3	69	133				
1,2-Dichloroethane	19.950	0.50	20.00	0	99.8	69	132				
Benzene	20.070	1.0	20.00	0	100	81	122				
Ethylbenzene	20.170	1.0	20.00	0	101	73	127				
m,p-Xylene	40.570	1.0	40.00	0	101	76	128				
MTBE	18.610	1.0	20.00	0	93.0	65	123				
o-Xylene	20.290	1.0	20.00	0	101	80	121				
Tert-Butanol	95.220	5.0	100.0	0	95.2	70	130				
Toluene	20.180	2.0	20.00	0	101	77	122				
Xylenes, Total	60.860	2.0	60.00	0	101	75	125				
Surr: 1,2-Dichloroethane-d4	25.450		25.00		102	72	119				
Surr: 4-Bromofluorobenzene	25.850		25.00		103	76	119				
Surr: Dibromofluoromethane	25.430		25.00		102	85	115				
Surr: Toluene-d8	25.750		25.00		103	81	120				

Sample ID: P130911MB2	SampType: MBLK	TestCode: 8260_WP_SF	Units: ug/L	Prep Date:	RunNo: 90260						
Client ID: PBW	Batch ID: P13VW139	TestNo: EPA 8260B		Analysis Date: 9/11/2013	SeqNo: 1644460						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	ND	0.50									
1,2-Dichloroethane	ND	0.50									
Benzene	ND	1.0									
Ethylbenzene	ND	1.0									
m,p-Xylene	ND	1.0									
MTBE	ND	1.0									
o-Xylene	ND	1.0									
Tert-Butanol	ND	5.0									
Toluene	ND	2.0									
Xylenes, Total	ND	2.0									
Surr: 1,2-Dichloroethane-d4	25.540		25.00		102	72	119				

Qualifiers:

- | | | |
|--|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits |
| S Spike/Surrogate outside of limits due to matrix interference | DO Surrogate Diluted Out | Calculations are based on raw values |



**Advanced Technology
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

CLIENT: CH2M HILL
 Work Order: N010985
 Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_SFPP

Sample ID: P130911MB2	SampType: MBLK	TestCode: 8260_WP_SF	Units: ug/L	Prep Date:	RunNo: 90260						
Client ID: PBW	Batch ID: P13VW139	TestNo: EPA 8260B	Analysis Date: 9/11/2013	SeqNo: 1644460							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	25.150		25.00		101	76	119				
Surr: Dibromofluoromethane	25.300		25.00		101	85	115				
Surr: Toluene-d8	25.360		25.00		101	81	120				

Sample ID: N010985-001CMS	SampType: MS	TestCode: 8260_WP_SF	Units: ug/L	Prep Date:	RunNo: 90260						
Client ID: ZZZZZ	Batch ID: P13VW139	TestNo: EPA 8260B	Analysis Date: 9/11/2013	SeqNo: 1644462							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	19.390	0.50	20.00	0	97.0	69	133				
1,2-Dichloroethane	19.440	0.50	20.00	0	97.2	69	132				
Benzene	19.530	1.0	20.00	0	97.6	81	122				
Ethylbenzene	19.880	1.0	20.00	0	99.4	73	127				
m,p-Xylene	40.370	1.0	40.00	0	101	76	128				
MTBE	18.900	1.0	20.00	0.8700	90.2	65	123				
o-Xylene	19.990	1.0	20.00	0	100	80	121				
Tert-Butanol	96.250	5.0	100.0	0	96.2	70	130				
Toluene	19.680	2.0	20.00	0	98.4	77	122				
Xylenes, Total	60.360	2.0	60.00	0	101	75	125				
Surr: 1,2-Dichloroethane-d4	25.030		25.00		100	72	119				
Surr: 4-Bromofluorobenzene	26.030		25.00		104	76	119				
Surr: Dibromofluoromethane	25.310		25.00		101	85	115				
Surr: Toluene-d8	25.700		25.00		103	81	120				

Sample ID: N010985-001CMSD	SampType: MSD	TestCode: 8260_WP_SF	Units: ug/L	Prep Date:	RunNo: 90260						
Client ID: ZZZZZ	Batch ID: P13VW139	TestNo: EPA 8260B	Analysis Date: 9/11/2013	SeqNo: 1644463							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	19.770	0.50	20.00	0	98.8	69	133	19.39	1.94	20	
1,2-Dichloroethane	20.180	0.50	20.00	0	101	69	132	19.44	3.74	20	
Benzene	20.110	1.0	20.00	0	101	81	122	19.53	2.93	20	

Qualifiers:

- | | | |
|--|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits |
| S Spike/Surrogate outside of limits due to matrix interference | DO Surrogate Diluted Out | Calculations are based on raw values |



**Advanced Technology
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

CLIENT: CH2M HILL
Work Order: N010985
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_SFPP

Sample ID: N010985-001CMSD		SampType: MSD		TestCode: 8260_WP_SF		Units: ug/L		Prep Date:		RunNo: 90260	
Client ID: ZZZZZ		Batch ID: P13VW139		TestNo: EPA 8260B		Analysis Date: 9/11/2013				SeqNo: 1644463	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	19.830	1.0	20.00	0	99.2	73	127	19.88	0.252	20	
m,p-Xylene	40.060	1.0	40.00	0	100	76	128	40.37	0.771	20	
MTBE	19.290	1.0	20.00	0.8700	92.1	65	123	18.90	2.04	20	
o-Xylene	19.970	1.0	20.00	0	99.8	80	121	19.99	0.100	20	
Tert-Butanol	98.110	5.0	100.0	0	98.1	70	130	96.25	1.91	20	
Toluene	20.100	2.0	20.00	0	101	77	122	19.68	2.11	20	
Xylenes, Total	60.030	2.0	60.00	0	100	75	125	60.36	0.548	20	
Surr: 1,2-Dichloroethane-d4	25.510		25.00		102	72	119		0		
Surr: 4-Bromofluorobenzene	25.630		25.00		103	76	119		0		
Surr: Dibromofluoromethane	25.750		25.00		103	85	115		0		
Surr: Toluene-d8	25.990		25.00		104	81	120		0		

Qualifiers:

- | | | |
|--|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits |
| S Spike/Surrogate outside of limits due to matrix interference | DO Surrogate Diluted Out | Calculations are based on raw values |



**Advanced Technology
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3151 W. Post Road
Las Vegas, NV 89118
Tel: 702-307-2659 Fax: 702-307-2691
Marlon Cartin (marlon@ati-labs.com)

DATE: 9/10/13
PAGE: 1 OF 1

LABORATORY CLIENT: **Kinder Morgan Energy Partners, Attn: Steve Defibaugh**
 ADDRESS: **1100 Town & Country Road**
 CITY: **Orange, CA 92868**
 TEL: **714-560-4802** FAX: **714-560-4601** E-MAIL: james_dye@kindermorgan.com

CLIENT PROJECT NAME / NUMBER: **SFPP - Norwalk Site**
 PROJECT CONTACT: **James Dye**
 SAMPLER(S) (SIGNATURE): *[Signature]*

P.O. NO.:
 QUOTE NO.:
 LAB USE ONLY:

TURNAROUND TIME:
 SAME DAY 24 HR 48HR 72 HR 5 DAYS 10 DAYS
 SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY):
 RW/QCB REPORTING ARCHIVE SAMPLES UNTIL / /

REQUESTED ANALYSIS:
 Total TPH (as TPH-g, TPH-d, and TPH-oil) (8015B)
 TPH-g, TPH-d, and TPH-oil (8015B)
 Oil & Grease (1664)
 Total Suspended Solids (SM2540F)
 Total Suspended Solids (SM2540D)
 Phenol (420.1)
 BTEX, Total Xylenes, 1,1-DCA, 1,2-DCA(8260B)
 MTBE and TBA, (8260B) 48HR TAT
 Cu, Pb, Ti, and Zn (200.8)
 Se (200.8); Hg (245.1)
 Cr VI (7199)
 Comments: 24 hr TAT for metals and VOCs

SPECIAL INSTRUCTIONS:
 Report to D. Jablonski/CH2M HILL, cc: KMEP
 Direct Bill KMEP/SFPP - Steve Defibaugh-ref. AFE# 81195
 "J" flags required/Use lowest possible detection limit - all methods.

LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING		MAT. RIX	No. OF CONT.
			DATE	TIME		
	EFF-09-10	Effluent	9/10/13	1300	WW	44
						17

Received by (Signature): *[Signature]* Date: 09/10/13 Time: 15:40
 Received by (Signature): *[Signature]* Date: 09/10/13 Time: 16:33
 Received by (Signature): *[Signature]* Date: 11 SEPT 13 Time: 08:17

Relinquished by (Signature): *[Signature]*
 Relinquished by (Signature): *[Signature]*
 Relinquished by (Signature): *[Signature]*

GSO Tracking # 104918704
 GSO Tracking # 104918704

Revised: 08/23/2012

NO10985-1
43 #1P2

Advanced Technology Laboratories, Inc.

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On: 9/11/2013 Workorder: N010985
 Rep sample Temp (Deg C): 4.3 IR Gun ID: 2
 Temp Blank: Yes No
 Carrier name: GSO
 Last 4 digits of Tracking No.: 8704 Packing Material Used: None
 Cooling process: Ice Ice Pack Dry Ice Other None

Sample Receipt Checklist

- | | | | |
|---|---|-----------------------------|---|
| 1. Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 16. Were there Non-Conformance issues at login?
Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments:

Checklist Completed By: MBC *MBC* 9/11/2013

Reviewed By: *giti*

Advanced Technology Laboratories, Inc.

WORK ORDER Summary

11-Sep-13

WorkOrder: N010985

Client ID: CH2HI01

Project: SFPP - Norwalk Site

QC Level: RTNE

Date Received: 9/11/2013

Comments: Report to D. Jablonski/CH2M HILL, cc:KMEP.

Direct Bill KMEP/SFPP-Steve Defibaugh-ref.AFE# 81195. "J" Flags requ

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N010985-001A	EFF-09-10	9/10/2013 1:00:00 PM	9/18/2013	Wastewater		Oil and Grease Sample Prep	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			9/18/2013		EPA 1664_HEM	Hexane Extractable Material (HEM)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010985-001B			9/18/2013		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WV
N010985-001C			9/12/2013		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WV
N010985-001D			9/18/2013		SM2540F	SETTLEABLE MATTER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			9/18/2013			Setteable Matter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010985-001E			9/18/2013		SM2540D	TOTAL NON-FILTERABLE RESIDUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			9/18/2013			Total Suspended Solids Prep	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010985-001F			9/18/2013		EPA 420.1	PHENOLICS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
			9/18/2013			Phenols Prep	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N010985-001G			9/12/2013			AQPREP TOTAL METALS: ICP, FLAA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			9/12/2013		EPA 200.8	ICP-MS METALS BY COLLISION/REACTION CELL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			9/12/2013		EPA 200.8	ICPMS METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			9/12/2013		EPA 245.1	MERCURY BY COLD VAPOR TECHNIQUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			9/12/2013			MERCURY PREP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010985-001H			9/18/2013		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			9/18/2013		EPA 8015B	TPH EXTRACTABLE BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			9/18/2013		EPA 8015B	Total TPH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010985-001I			9/18/2013		EPA 7199	Hexavalent Chromium by IC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N010985-002A	FOLDER		9/12/2013		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



Advanced Technology Laboratories

3151-3153 W Post Rd., Las Vegas, NV 89118
www.atl-labs.com
TEL: 7023072659 FAX: 7023072691

CHAIN-OF-CUSTODY RECORD

QC Level: RTNE

Subcontractor:

AETL
2834 North Naomi Street
Burbank, CA 91504

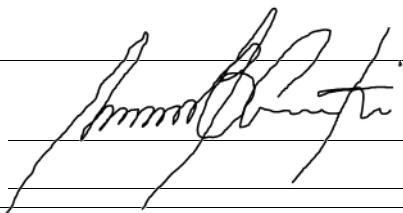
TEL: (818) 845-8200
FAX: (818) 845-8840
Acct #:

Field Sampler: James Dye

11-Sep-13

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests		
				EPA 420.1		
N010985-001F / EFF-09-10	Wastewater	9/10/2013 1:00:00 PM	32OZA	1		

General Comments: Please email sample receipt acknowledgement to the PM.
Please use PO#: N010985 For questions, call Marlon at (702)-307-2659. Please e-mail results to marlon@atl-labs.com by: Normal TAT
Please analyze for Phenolics by EPA 420.1.

Relinquished by: 	Date/Time 9/11/2013 9:23 AM	Received by: _____	Date/Time _____
Relinquished by: _____	_____	Received by: _____	_____

PLEASE PRINT FULLY

1 FROM

DATE 9/10/13
 COMPANY ATL INC
 ADDRESS 208524 PIONEER BLVD.
 ADDRESS
 CITY LAKEWOOD, CA
 SENDER'S NAME MEDNARD LARIN
 PHONE NUMBER 562-618-1862
 STATE/ROOM ZIP CODE 90715

2 TO

COMPANY ATL INC.
 NAME MARLON CARTIN
 ADDRESS 3151 W. POST RD.
 ADDRESS
 CITY LAS VEGAS, NV
 STATE/ROOM ZIP CODE 89110

3 YOUR INTERNAL BILLING REFERENCE WILL APPEAR ON YOUR INVOICE
 SPECIAL INSTRUCTIONS
 CHAM HILL, NORWALK

GSO
 GOLDEN STATE OVERNIGHT

1-800-322-5555
WWW.GSO.COM

4 SHIPPING AIR BILL
 PACKAGE INFORMATION
 LETTER (MAX 8 OZ)
 PACKAGE (WT) _____
 DECLARED VALUE \$ _____
 COD AMOUNT \$ _____
 (CASH NOT ACCEPTED)

5 DELIVERY SERVICE PRIORITY OVERNIGHT BY 10:30 AM
 EARLY PRIORITY DELIVERY BY 8:00 AM
 SATURDAY DELIVERY

*DELIVERY TIMES MAY BE LATER IN SOME AREAS • CONSULT YOUR SERVICE GUIDE OR CALL GOLDEN STATE OVERNIGHT

6 RELEASE SIGNATURE _____
 SIGN TO AUTHORIZE DELIVERY WITHOUT OBTAINING SIGNATURE

7 _____

8 PICK UP INFORMATION TIME _____ DRIVER # _____ ROUTE # _____

104918704

PEEL OFF HERE

104918704

9 GSO TRACKING NUMBER

PACKAGE LABEL



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

Advanced Technology Laboratory
3151-3153 W Post Road
Las Vegas, NV 89118-

Telephone: (702)307-2659
Attention: Marlon Cartin

Number of Pages 2
Date Received 09/11/2013
Date Reported 09/17/2013

Job Number	Order Date	Client
70596	09/11/2013	ATL-LV

Project ID: PO# N010985

Enclosed please find results of analyses of 1 water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



Advanced Technology Laboratories

3151-3153 W Post Rd., Las Vegas, NV 89118
www.atl-labs.com
TEL: 7023072659 FAX: 7023072691

CHAIN-OF-CUSTODY RECORD

70596

QC Level: RTNE

Subcontractor:

AETL
2834 North Naomi Street
Burbank, CA 91504

TEL: (818) 845-8200
FAX: (818) 845-8840
Acct #:

Field Sampler: James Dye

11-Sep-13

Sample ID	Matrix	Date Collected	Bottle Type	EPA 420.1	Requested Tests
N010985-001F / EFF-09-10	Wastewater	9/10/2013 1:00:00 PM	320ZA	1	70596-01

General Comments:

Please email sample receipt acknowledgement to the PM.

Please use PO#: N010985 For questions, call Marlon at (702)-307-2659. Please e-mail results to marlon@atl-labs.com by: Normal TAT

Please analyze for Phenolics by EPA 420.1.

Relinquished by: <i>James Dye</i>	Date/Time: 9/11/2013 9:23 AM
Received by: <i>Jan Claude</i>	Date/Time: 09/11/13 1000
Relinquished by:	Received by:

650

70596

CHAIN OF CUSTODY RECORD

Page _____ of _____

FOR LABORATORY USE ONLY:

Advanced Technology Laboratories, Inc.
 3151-3153 W. Post Rd.
 Las Vegas, NV 89118
 Tel: (702) 307-2659 • Fax: (702) 307-2691

Client: ATL INC
Attn: LAS VEGAS
 Address: 3151 W. POST RD.
 City: LAS VEGAS State: NV Zip Code: 89118
 TEL: (702) 307-2659 FAX: (702) 307-2691

Method of Transport:
 Client
 ATL INC
 FEDEX
 Other: _____

Sample Condition Upon Receipt:
 1. CHILLED
 2. HEADSPACE (VOA)
 3. CONTAINER INTACT
 4. SEALED
 5. # OF SPLS MATCH COC
 6. PRESERVED

Project #: _____
Sampler: _____
 (Printed Name)

 (Signature)

Relinquished by: (Signature and Printed name) _____ Date: 09/10/13 Time: 16:59
Relinquished by: (Signature and Printed name) _____ Date: 09/10/13 Time: 16:59
Relinquished by: (Signature and Printed name) _____ Date: 09/10/13 Time: 16:59

Special Instructions/Comments:
 PLEASE CONTACT MARLON CARTIN @ 702-307-2659 FOR OFFICIAL SUB COC. OR EMAIL marlon@atl-lab.com

Send Report To:
 Attn: MARLON CARTIN
 Co: _____
 Address: _____
 City: _____ State: _____ Zip: _____

Signature: _____
Print Name: MENANORO LARIN
Date: 9/10/13

LAB USE ONLY:
 Batch #: 70596.01
 Lab No. _____
 Date: 9/10/13 Time: 1300

Sample Description: _____
Sample I.D. / Location: _____
Date: 9/10/13 Time: 1300

Circle or Add Analyst(s) Requested:
 8260B (VOC)
 8260B (BTEX) (MTBE)
 8015B (GRO)
 8015B (OHX) (Motor Oil/RO)
 RCRA8 (6010B/7000)
 MERCURY
 SOIL
 WATER
 GROUND WATER
 WASTEWATER

Container(s): _____
TAT #: 14
Type: S

Q.A / Q.C:
 RTNE
 CT
 RWQCB
 LEVEL IV _____
 OTHER _____

REMARKS:

Preservatives:
 H=HCl N=HNO3 S=H2SO4 C=4°C
 Z=Zn(Ac)2 O=NaOH T=Na2S2O3

TAT: A=Overnight ≤ 24 hr
 B=Emergency Next workday
 C=Critical 2 Workdays
 D=Urgent 3 Workdays
 E=Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pin J=Jar B=Bedlar G=Glass P=Plastic M=Metal

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter



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

Page: 1 A

Ordered By

Advanced Technology Laboratory
3151-3153 W Post Road
Las Vegas, NV 89118-

Project ID: PO# N010985
Date Received 09/11/2013
Date Reported 09/17/2013

Telephone: (702) 307-2659
Attention: Marlon Cartin

Job Number	Order Date	Client
70596	09/11/2013	ATL-LV

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 1 samples with the following specification on 09/11/2013.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers	
70596.01	N010985-001F	09/10/2013	Aqueous	1	
Method ^	Submethod	Req Date	Priority	TAT	Units
420.1		09/18/2013	2	Normal	mg/L

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

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratory
 3151-3153 W Post Road
 Las Vegas, NV 89118-

Telephone: (702)307-2659

Attn: Marlon Cartin

Page: 2

Project ID: PO# N010985

AETL Job Number	Submitted	Client
70596	09/11/2013	ATL-LV

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

QC Batch No: 091313-1

Our Lab I.D.		Method Blank	70596.01			
Client Sample I.D.			N010985-001 F			
Date Sampled			09/10/2013			
Date Prepared		09/13/2013	09/13/2013			
Preparation Method		420.1	420.1			
Date Analyzed		09/13/2013	09/13/2013			
Matrix		Aqueous	Aqueous			
Units		mg/L	mg/L			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Phenolic compounds as phenol	0.15	0.30	ND	ND		

QUALITY CONTROL REPORT

QC Batch No: 091313-1; Dup or Spiked Sample: 70596.01; LCS: Clean Water; QC Prepared: 09/13/2013; QC Analyzed: 09/13/2013;
 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	0.470	94.0	0.500	0.486	97.2	3.3	80-120	<15

QC Batch No: 091313-1; Dup or Spiked Sample: 70596.01; LCS: Clean Water; QC Prepared: 09/13/2013; QC Analyzed: 09/13/2013;
 Units: mg/L

Analytes	SM Result	SM DUP Result	RPD %	SM RPD % Limit	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit		
Phenol	ND	ND	<1	<15	0.500	0.468	93.6	80-120		



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Data Qualifiers and Descriptors

Data Qualifier:

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

Definition:

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



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

Data Qualifiers and Descriptors

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

September 23, 2013

Daniel Jablonski
CH2M HILL
155 Grand Avenue, Suite 1000
Oakland, CA 94612

TEL: (213)228-8271
FAX: (510) 622-9129

CA-ELAP No.:2676
NV Cert. No.:NV-009222007A

Workorder No.: N011059

RE: SFPP- Norwalk Site

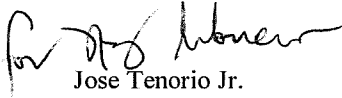
Attention: Daniel Jablonski

Enclosed are the results for sample(s) received on September 21, 2013 by Advanced Technology Laboratories, Inc. . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (702) 307-2659 if I can be of further assistance to your company.

Sincerely,



Jose Tenorio Jr.
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories - Las Vegas.



**Advanced Technology
Laboratories, Inc.**

3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

CLIENT: CH2M HILL
Project: SFPP- Norwalk Site
Lab Order: N011059

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

Samples were received intact with proper chain of custody documentation.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Samples were analyzed within method holding time.

Results were J-Flag. "J" is used to flag those results that are between the PQL (Practical Quantitation Limit) and the calculated MDL (Method Detection Limit). Results that are "J" Flagged are estimated values since it becomes difficult to accurately quantitate the analyte near the MDL.



CLIENT: CH2M HILL
Project: SFPP- Norwalk Site
Lab Order: N011059
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N011059-001A	EFF-09-20	Wastewater	9/20/2013 12:00:00 PM	9/21/2013	9/23/2013



CLIENT: CH2M HILL
Lab Order: N011059
Project: SFPP- Norwalk Site
Lab ID: N011059-001

Client Sample ID: EFF-09-20
Collection Date: 9/20/2013 12:00:00 PM
Matrix: WASTEWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
----------	--------	-----	-----	------	-------	----	---------------

TOTAL NON-FILTERABLE RESIDUE

SM2540D

RunID: WETCHEM_130923B	QC Batch: 43929			PrepDate: 9/23/2013		Analyst: LCC
Suspended Solids (Residue, Non-Filterable)	ND	5.0	5.0	mg/L	1	9/23/2013

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike/Surrogate outside of limits due to matrix interference
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out



CLIENT: CH2M HILL
Work Order: N011059
Project: SFPP- Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 160.2_2540D_W

Sample ID: MB-43929	SampType: MBLK	TestCode: 160.2_2540D_ Units: mg/L	Prep Date: 9/23/2013	RunNo: 90405							
Client ID: PBW	Batch ID: 43929	TestNo: SM2540D	Analysis Date: 9/23/2013	SeqNo: 1649039							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter)	ND	10									

Sample ID: LCS-43929	SampType: LCS	TestCode: 160.2_2540D_ Units: mg/L	Prep Date: 9/23/2013	RunNo: 90405							
Client ID: LCSW	Batch ID: 43929	TestNo: SM2540D	Analysis Date: 9/23/2013	SeqNo: 1649040							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter)	904.000	10	1000	0	90.4	80	120				

Sample ID: N011059-001A-DUP	SampType: DUP	TestCode: 160.2_2540D_ Units: mg/L	Prep Date: 9/23/2013	RunNo: 90405							
Client ID: ZZZZZ	Batch ID: 43929	TestNo: SM2540D	Analysis Date: 9/23/2013	SeqNo: 1649042							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter)	ND	5.0						0	0	5	

Qualifiers:

- | | | | | | |
|---|--|----|-------------------------------------|---|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits |
| S | Spike/Surrogate outside of limits due to matrix interference | DO | Surrogate Diluted Out | | Calculations are based on raw values |







CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
 3151 W. Post Road
 Las Vegas, NV 89118
 Tel: 702-307-2659 Fax: 702-307-2691
 Marlon Cartin (marlon@atl-labs.com)

DATE: 9/20/13
 PAGE: 1 OF 1

3.3°C

LABORATORY CLIENT: Kinder Morgan Energy Partners, Attn: Steve Defibaugh ADDRESS: 1100 Town & Country Road CITY: Orange, CA 92868 TEL: 714-560-4802 FAX: 714-560-4601 E-MAIL: james_dye@kindermorgan.com		CLIENT PROJECT NAME / NUMBER: SFPP - Norwalk Site		P.O. NO.:
PROJECT CONTACT: James Dye SAMPLER(S) (SIGNATURE): 		QUOTE NO.:		LAB USE ONLY <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
REQUESTED ANALYSIS				
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) <input type="checkbox"/> SAME DAY <input checked="" type="checkbox"/> 24 HR <input type="checkbox"/> 48HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS <input type="checkbox"/> RWQCB REPORTING <input type="checkbox"/> ARCHIVE SAMPLES UNTIL ___ / ___ / ___ SPECIAL INSTRUCTIONS Report to D. Jablonski/CH2M HILL, cc: KMEP Direct Bill KMEP/SFPP - Steve Defibaugh-ref. AFE# 81195 "J" flags required/Use lowest possible detection limit - all methods.				
SAMPLE ID EFF-09-20		LOCATION/ DESCRIPTION Effluent		NO. OF CONT. 1
DATE 9/20/13		TIME 1200		MAT- RIX WW
Total Suspended Solids (SM2540D) X				
Comments NO11059-1				
Relinquished by: (Signature)  Date: 09/20/13 Time: 15:45				
Relinquished by: (Signature)  Date: 09/20/13 Time: 16:00				
Relinquished by: (Signature)  Date: 09/21/13 Time: 9:40 AM				

Revised: 08/23/2012

Advanced Technology Laboratories, Inc.

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On: 9/21/2013 Workorder: N011059
 Rep sample Temp (Deg C): 3.3 IR Gun ID: 2
 Temp Blank: Yes No
 Carrier name: GSO
 Last 4 digits of Tracking No.: 2723 Packing Material Used: None
 Cooling process: Ice Ice Pack Dry Ice Other None

Sample Receipt Checklist

- | | | | |
|---|---|-----------------------------|---|
| 1. Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 16. Were there Non-Conformance issues at login?
Was Client notified? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments:

Checklist Completed By: MBC *MBC* 9/23/2013

Reviewed By: *J. Andrews*

Advanced Technology Laboratories, Inc.

WORK ORDER Summary

23-Sep-13

WorkOrder: N011059

Client ID: CH2HI01

Project: SFPP- Norwalk Site

QC Level: RTNE

Date Received: 9/21/2013

Comments: Report to D. Jablonski/CH2M Hill, cc: KMEP Direct Bill KMEP/SFPP - Steve Defibaugh-ref. AFE# 81195 "J" flags required/Use lowest possible detection limi

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N011059-001A	EFF-09-20	9/20/2013 12:00:00 PM	9/24/2013	Wastewater	SM2540D	TOTAL NON-FILTERABLE RESIDUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			9/24/2013			Total Suspended Solids Prep	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N011059-002A	FOLDER		9/24/2013		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



PLEASE PRESS FIRMLY

1 FROM

DATE: 09/20/10
 COMPANY: A TL INC.
 ADDRESS: 20852 PIONEER BLVD
 ADDRESS: STE/ ROOM
 CITY: LAKEWOOD, CA ZIP CODE: 90715
 SENDERS NAME: MEYHARD LAMIN PHONE NUMBER: 562-416-1800
 COMPANY: A TL INC.
2 TO
 NAME: MARLEN CARTIN PHONE NUMBER: 702-267-1659
 ADDRESS: 2151 W. POST RD.
 ADDRESS: STE/ ROOM
 CITY: LAS VEGAS, NV ZIP CODE: 89118

3 SPECIAL INSTRUCTIONS
 YOUR INTERNAL BILLING REFERENCE WILL APPEAR ON YOUR INVOICE
 CH2M HILL ROCKWALK

SHIPPING AIR BILL

4 PACKAGE INFORMATION

LETTER (MAX 8 OZ)

PACKAGE (WT) _____

DECLARED VALUE \$ _____

COD AMOUNT \$ _____ (CASH NOT ACCEPTED)

5 DELIVERY SERVICE PRIORITY OVERNIGHT BY 10:30 AM EARLY PRIORITY BY 8:00 AM SATURDAY DELIVERY

*DELIVERY TIMES MAY BE LATER IN SOME AREAS • CONSULT YOUR SERVICE GUIDE OR CALL GOLDEN STATE OVERNIGHT.

6 RELEASE SIGNATURE _____

7 _____

8 PICK UP INFORMATION TIME _____ DRIVER # _____ ROUTE # _____

9 GSO TRACKING NUMBER

GSO
 GOLDEN STATE OVERNIGHT

1-800-322-5555

WWW.GSO.COM

PEEL OFF HERE

104922723

104922723



Appendix B Waste Manifests

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CAT080033962	2. Page 1 of	3. Emergency Response Phone 562-448-9510		4. Manifest Tracking Number 006487725 FLE			
		5. Generator's Name and Mailing Address SFPP, L.P. 1100 Town & Country Road, Suite 700 Orange, CA 92668 USA					Generator's Site Address (if different than mailing address) 15305 Norwalk Blvd. Norwalk, CA 90651 USA		
6. Transporter 1 Company Name West Coast Environmental Solutions		U.S. EPA ID Number CAR000215966		7. Transporter 2 Company Name		U.S. EPA ID Number			
8. Designated Facility Name and Site Address Domenno Kerdoon 2000 N. Alameda Street Compton, CA 90220 USA		U.S. EPA ID Number CAT080013352		Facility's Phone: 310-537-7100					
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	1. NON RCRA Hazardous Waste Liquid			No. Type		1,300	G	223	
	2.								
	3.								
	4.								
14. Special Handling Instructions and Additional Information Wear Protective Clothing when handling material 24hr. Emergency Phone # 562/448-9510 9a.1) - remediation system rinse water									
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
Generator's/Offeror's Printed/Typed Name JAMES DYK					Signature 		Month Day Year 8 29 13		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____									
17. Transporter Acknowledgment of Receipt of Materials									
Transporter 1 Printed/Typed Name RAUL SANCHEZ					Signature 		Month Day Year 8 29 13		
Transporter 2 Printed/Typed Name					Signature		Month Day Year		
18. Discrepancy									
18a. Discrepancy indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection									
Manifest Reference Number: _____									
18b. Alternate Facility (or Generator)						U.S. EPA ID Number			
Facility's Phone: _____									
18c. Signature of Alternate Facility (or Generator)						Month Day Year			
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)									
1.		2.		3.		4.			
20. Designated Facility Owner or Operator. Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a									
Printed/Typed Name Gustavo Chavez					Signature 		Month Day Year 8 29 13		

DeMenno Kerdoon
2000 N Alameda Street
Compton, CA 90222

Ticket: **109152**
Date: 8/29/2013
Time: 14:28:49 - 18:08:40

Hauler: WEST COAST ENVIRONMENTAL
Truck: 6802
Trailer: 6806

Driver: RALPH

Customer: KINDER MORGAN - KIN021

Product: OILY WATER

Gross: 50960 lb In Scale 1
Tare: 37240 lb Out Scale 1
Net: 13720 lb
Tons: 6.86

Wash Out: Cold
Gallons: 118
Minutes: 20

Tank: 9002
Tank 2: NA
Category: C1
Profile: 367708
W/P: Yes

PO: Load Gallons: 1,300

RECEIVING

Lab Analysis

BS&W:	98.00	API Temp:	92.00	Halides:	Non App
Gravity:	10.40	Sediment:	2.00	Actual Halides:	0
pH:	7.00	Flash Point:	0.00	Comment:	

Weighmaster In: Gustavo Chavez
Weighmaster Out: Juan Arreguin

Manifest/BOL
006487725FLE

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of 1 3. Emergency Response Phone

4. Waste Tracking Number

1

NHZ-071113N-AC

5. Generator's Name and Mailing Address

Kinder Morgan Energy Partners
1100 Town & Country Rd, Orange,

Generator's Site Address (if different than mailing address)

Norwalk Tank Farm
15305 Norwalk Blvd, Norwalk,
CA 90650

Generator's Phone: 714-560-4400

CA 92868

6. Transporter 1 Company Name

Prominent Systems, Inc

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

California Carbon Co.
2825 E. Grant St, Wilmington CA 90744

U.S. EPA ID Number

Facility's Phone: 562-436-1962

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No.

Type

1. Non Hazardous Spent Carbon

2 BA

2,000 P

2.

3.

4.

13. Special Handling Instructions and Additional Information

Acc # 10-097-268-B

REMEDIATION ATTN: STEVE DEFINBAUGH

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offorer's Printed/Typed Name

JAMES DYE

Signature

Month Day Year
7 11 13

15. International Shipments Import to U.S. Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

TROY BUNGAY

Signature

Month Day Year
7 11 13

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY