KINDER MORGAN
ENERGY PARTNERS, L.P.

SFPP, L.P.
Operating Partnership

October 26, 2010

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 2010
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 quarter 2010 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 26th day of October 2010.
at 9:00 a.m.

_____ (signature)

Stephen T. Defibaugh (printed name)

Remediation Project Manager (title)

CH2M HILL
1000 Wilshire Blvd.
21st Floor
Los Angeles, CA 90017
Tel 213.228.8271
Fax 714.424.2135

October 28, 2010

407609.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, 2010 (3rd Quarter 2010)
SFPP, L.P. Norwalk 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 system. This system is installed at the former SFPP Norwalk pump station located within the Defense Fuel Support Point (DFSP) Norwalk, at 15306 Norwalk Boulevard, Norwalk, California (the site).

SFPP performed certain operations, maintenance, and monitoring tasks on the product recovery and groundwater extraction system. SFPP has 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 through September 30, 2010.

Remediation System

The remediation system at the site consists of soil vapor extraction (SVE) and total fluids extraction (TFE; extraction of free product and/or groundwater) for product recovery, groundwater extraction (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 2,500 standard cubic feet per minute (scfm) from up to 32 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.

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Executed on the 26th day of October 2010.
at 9:00 a.m.

_____ (signature)

Stephen T. Defibaugh (printed name)

Remediation Project Manager (title)

The free product and groundwater extraction portion of the system currently consists of 18 TFE wells with top-loading pumps and two GWE wells with bottom-loading pumps that are located in the south-central part of the site, and three TFE wells that are located in the southeastern part of the site. 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 and bottom-loading groundwater pumps in the south-central and southeastern parts of the site and liquid condensate from the knockout tank are piped to an oil-water separator. Free product, if any, from the oil-water separator is collected in a storage tank and recycled at an offsite location. Water from the oil-water separator is treated using liquid-phase granular activated carbon (GAC). Treatment of groundwater using GAC only was discussed with and approved by Mr. Mazhar Ali of the Los Angeles RWQCB on November 18, 2008. Treated water is routed through an onsite 8,000-gallon holding tank prior to discharge under NPDES Permit No. CA0063509 (CI No. 7497) issued by the RWQCB.

Summary of Quarterly Operations

Approximately 1,543,274 gallons of groundwater was extracted during the third quarter 2010. 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 by week during the reporting period. Remediation of the south-central and southeastern areas was performed throughout the quarter with the following exceptions.

- On July 9, 2010, the TFE/GWE system was shut down for routine carbon change-out. It was restarted on the same day.
- On July 20, 2010, the TFE/GWE system was shut down due to high-level alarms for the transfer tank. The bag filters were clogged and replaced.
- On August 18, 2010, the TFE/GWE system was shut down due to extracted groundwater flowing out of the transfer tank and onto the treatment pad. The water was contained and did not leave the treatment pad. The high-level float switch on the transfer tank malfunctioned and was replaced on August 19, 2010.
- On August 24, 2010, the remediation system was shut down to replace the power source of the system from a mobile generator to the main power house at the site.
- On September 27, 2010, the remediation system was off due to a citywide power outage. The systems were shut down for the remainder of the week to allow groundwater levels to reach static conditions prior to the second semiannual groundwater sampling event, scheduled for early October 2010.

Routine Effluent Monitoring

Effluent water samples were collected pursuant to the Waste Discharge Requirements (WDRs) under Order No. R4-2005-0072 (Order). Samples were collected at the Order-designated monitoring point M-001 – Remediation System Effluent.

Effluent samples were transported to Calscience Environmental Laboratories, Inc. (Calscience) in Garden Grove, California, and Advance Technology Laboratory (ATL) in Las Vegas, Nevada, for analysis. ATL performed analysis for selenium only, while Calscience performed analysis for all effluent water quality parameters. Calscience and ATL are 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 summarized in Table 2. Laboratory analytical reports and chain-of-custody documents are included in Appendix A.

Selenium Confirmation Monitoring

In addition to the routine monthly/quarterly compliance samples, additional system water effluent, groundwater, and system water influent samples were sent to the following laboratories during the third quarter 2010 for further analysis of total and dissolved selenium:

- Calscience in Garden Grove, California
- Applied Speciation and Consulting, LLC in Bothell, Washington
- ATL in Las Vegas, Nevada
- Alpha Analytical, Inc., in Sparks, Nevada
- TestAmerica Laboratories, Inc., in Denver, Colorado

The purpose of these additional analyses was to assess whether historical concentrations of selenium in NPDES discharge compliance samples analyzed by Calscience actually exceeded the NPDES discharge limits for selenium. The results of the effluent samples collected as part of the confirmation monitoring are included in Table 3. Laboratory analytical reports and chain-of-custody documents are included in Appendix B. System water influent and groundwater results along with a data quality evaluation for the additional selenium sampling and analysis work will be presented separately in a future letter to the RWQCB.

Visual Monitoring of Coyote Creek

Visual observations of the receiving water (Coyote Creek) were performed in the vicinity of the discharge point on July 13, August 10, and September 14, 2010. At the time of observation, the tide was observed to be mid on July 13, 2010, high on August 10, 2010, and low on September 14, 2010. The weather condition was sunny and warm during the days Coyote Creek was monitored. The water in Coyote Creek was clear and no oil or grease

films, color patches, or odors were apparent in the water. The California brown pelican or California least tern were not observed to be present near the discharge point during the time of monitoring.

Summary of Compliance Results

As shown in Tables 1 and 2, the results of the effluent monitoring indicate that discharge limitations were met during the reporting period with one exception, temperature. On July 13, 2010, the temperature of the effluent water from the treatment facility was at 86.4 degrees Fahrenheit (°F), which is slightly above the instantaneous maximum limit of 86°F. Based on a review of historical data, the effluent temperature on July 13, 2010, is likely anomalous and not representative. Prior to collecting the temperature measurement, the effluent sample was inadvertently placed in an area exposed to sunlight and extreme outdoor temperature (greater than 90°F) for approximately 5 minutes, which likely increased the effluent water temperature beyond what is considered to be representative. Mr. Mazhar Ali of the RWQCB was notified on July 20, 2010, within 24 hours of having knowledge of this exceedance in temperature.

Summary of Selenium Confirmation Monitoring Results

Results shown in Table 3 indicate that the results provided by Applied Speciation (0.148 to 0.209 micrograms per liter [µg/L]) and TestAmerica (less than 1.4 µg/L) are consistently lower than selenium concentrations reported by Calscience (4.13 to 5.03 µg/L). The analytical methods used by the two independent laboratories are similar to those used by Calscience (standard EPA SW-846 Method 6020 or 6020A). However, Applied Speciation also uses an integrated state-of-the-art technology (dynamic reaction cell method) that removes common matrix interference effects known to affect the quantitation of selenium in water.

The selenium concentrations reported by the independent laboratories are all below the NPDES discharge limits for selenium. From these findings, CH2M HILL believes that historical concentrations of selenium in NPDES discharge compliance samples likely have not exceeded the NPDES discharge limits for selenium. Further discussion of these results as well as a data quality evaluation of Calscience's historical selenium data will be provided in a future letter to the RWQCB.

Waste Hauling

Spent GAC was removed from the site on July 9, 2010. Prominent Systems, Inc. (13095 East Temple Avenue, City of Industry, California 91746-1418) transported 2,000 pounds of spent GAC to California Carbon Co., Inc., at 2825 East Grant Street, Wilmington, California 90744. In addition, a total of 13.48 tons, 14.55 tons, and 11.63 tons of nonhazardous soil was hauled offsite on September 9, September 10, and September 13, 2010, respectively, by Advanced Cleanup Technologies, Inc. (18414 South Santa Fe Avenue, Rancho Dominguez, California 90221). The soil was transported to TPST Soil Recyclers of California (12328 Hibiscus Avenue, Adelanto, California 92301) for disposal.

Should you require any further information, please do not hesitate to me at (213) 228-8271.

Sincerely,

CH2M HILL

Dan Jablonski, REA
Project Scientist

Attachments: Table 1 - Effluent Flow Rate, pH, and Temperature Measurements
Table 2 - NPDES Effluent Monitoring Results
Table 3 - Selenium Confirmation Monitoring Event Results
Appendix A - Laboratory Analytical Reports and Chain-of-Custody Documents for NPDES Effluent Monitoring
Appendix B - Laboratory Analytical Reports and Chain-of-Custody Documents for Selenium Confirmation Monitoring Event

Tables

TABLE 1

Effluent Flow Rate, pH, and Temperature Measurements[1]

Third Quarter 2010

SFPP, L.P.

Norwalk, California

Date	Average Flow Rate (gallons per day)	pH	Temperature (Deg F)
Discharge Limits [2]			
Instantaneous Minimum	NE	6.5	NE
Instantaneous Maximum	NE	8.5	86
Maximum Daily	150,000	NE	NE
Results			
7/7/2010	9,579	--	--
7/9/2010	9,456	7.6	84.0
7/13/2010	9,440	7.5	86.4
7/16/2010	9,287	--	--
7/20/2010	9,693	7.5	78.1
7/23/2010	27,702	--	--
7/27/2010	33,005	7.8	81.2
7/30/2010	31,939	--	--
8/3/2010	31,590	7.6	80.4
8/6/2010	32,015	--	--
8/10/2010	10,851	7.5	75.4
8/12/2010	11,738	--	--
8/17/2010	11,823	7.6	78.2
8/19/2010	4,160	--	--
8/20/2010	10,281	--	--
8/24/2010	10,375	7.3	78.6
8/27/2010	15,019	--	--
8/31/2010	26,129	7.5	78.8
9/3/2010	18,364	--	--
9/8/2010	18,807	7.4	75.2
9/10/2010	15,836	--	--
9/14/2010	15,617	--	--
9/17/2010	17,436	7.5	75.4
9/21/2010	15,040	7.4	75.2
9/24/2010	29,029	--	--
9/27/2010	no discharge[3]	no discharge[3]	no discharge[3]
9/30/2010	no discharge[3]	no discharge[3]	no discharge[3]

Notes

1. Data reported based on information provided by SFPP, L.P.
2. California Regional Water Quality Control Board Waste Discharge Requirements (WDRs).
3. "no discharge" indicates that the product recovery and groundwater extraction system was shut down and no discharge occurred on the date of inspection.

Abbreviations

Deg F = degrees Fahrenheit

NE = not established

TABLE 2
NPDES Effluent Monitoring Results
Third Quarter 2010
SFPP, L.P.
Norwalk, California

Analyte	Sampling Frequency	Analysis Method	Units	ML[1]	Discharge Limits[2]		Sample Date and Results						
					Monthly Average	Daily Maximum	July 7, 2010	July 20, 2010	August 3, 2010	August 10, 2010	August 17, 2010	August 25, 2010	September 8, 2010
Temperature	Monthly	field	deg F	--	**NE**	**86**	--[3]	78.1	80.4	75.4	78.2	--	75.2
Oil and Grease	Monthly	SM 5520B	mg/L	NE	**10**	**15**	ND (<0.88)	--	ND (<0.88)	--	--	--	ND (<0.88)
TPH-g	Monthly	EPA 8015B (M)	µg/L	NE	**NE**	**100**	52 J	--	ND (<48)	--	--	--	ND (<48)
Settleable Solids	Monthly	SM 2540F	mL/L/hr	NE	**0.1**	**0.3**	ND (<0.10)	--	ND(<0.10)	--	--	--	ND (<0.10)
Total Suspended Solids	Monthly	SM 2540D	mg/L	NE	**50**	**75**	4.7	--	ND (<0.95)	--	--	--	2.1
Phenol	Monthly	EPA 420.1	mg/L	0.050	**0.3**	**NE**	0.074 J	--	ND (<0.046)	--	--	--	ND (<0.046)
Benzene	Monthly	EPA 8260B	µg/L	2.0	**1**	**NE**	ND (<0.28)	--	ND (<0.57)	--	ND (<0.28)	--	ND (<0.28)
1,1-Dichloroethane	Monthly	EPA 8260B	µg/L	1.0	**5**	**NE**	ND (<0.37)	--	ND (<0.75)	--	ND (<0.37)	--	ND (<0.37)
1,2-Dichloroethane	Monthly	EPA 8260B	µg/L	2.0	**0.5**	**NE**	ND (<0.31)	--	ND (<0.63)	--	ND (<0.31)	--	ND (<0.31)
Ethylbenzene	Monthly	EPA 8260B	µg/L	2.0	**10**	**NE**	ND (<0.22)	--	ND (<0.44)	--	ND (<0.22)	--	ND (<0.22)
Methyl ethyl ketone	Monthly	EPA 8260B	µg/L	NE	**50**	**NE**	ND (<6.9)	--	ND (<14)	--	ND (<6.9)	--	ND (<6.9)
Toluene	Monthly	EPA 8260B	µg/L	2.0	**10**	**NE**	ND (<0.33)	--	ND (<0.65)	--	ND (<0.33)	--	ND (<0.33)
Methyl tertiary-butyl ether	Monthly	EPA 8260B	µg/L	NE	**13**	**NE**	ND (<0.30)	--	ND (<0.61)	--	ND (<0.30)	--	ND (<0.30)
Total Xylenes	Monthly	EPA 8260B	µg/L	NE	**10**	**NE**	ND (<0.45)	--	ND (<0.91)	--	ND (<0.45)	--	ND (<0.45)
Copper	Monthly	EPA 6020	µg/L	0.5	**22.28**	**44.70**	0.733 J	--	0.876 J	--	--	--	1.1
Mercury	Monthly	EPA 7470A	µg/L	0.2	**0.051**	**0.102**	ND (<0.0177)	--	ND (<0.0177)	--	--	--	ND (<0.0348)
Selenium	Monthly	EPA 6020	µg/L	2.0	**4.1**	**8.2**	3.94[4]	--	1.1[5,6]	1.8[5,6]	--	4[5]	2.6[5]
Chromium VI	Monthly	EPA 7199	µg/L	NE	**8.12**	**16.29**	ND (<0.057)	--	ND (<0.041)	--	--	--	ND (<0.041)
Lead	Quarterly	EPA 6020	µg/L	0.5	**NE**	**15**	--	ND (<0.170)	--	--	--	--	--
Turbidity	Quarterly	SM 2130B	NTU	NE	**50**	**75**	--	0.69	--	--	--	--	--

Notes
1. State Water Resources Control Board Policy for the Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California.
2. California Regional Water Quality Control Board Waste Discharge Requirements (WDRs).
3. -- = not measured or not analyzed.
4. Analyzed by Calscience Laboratories.
5. Analyzed by Advanced Technology Laboratory.
6. Reanalysis results provided by Advanced Technology Laboratory. Initial results for August 3 and August 10, 2010 selenium samples (5.46 µg/L and 4.51 µg/L, respectively) were provided by Calscience Laboratories.

Abbreviations
BOD = biological oxygen demand (5 days at 20 degrees Celsius)
deg 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)
mg/L = milligrams per liter
µg/L = micrograms per liter
MDL = laboratory method detection limit
ML = minimum level; see note 1
mL/L/hr = milliliters per liter per hour
NTU = nephelometric turbidity units
ND (<0.33) = not detected, minimum detection limit in parentheses
NE = not established
RL = laboratory reporting limit
TPH-g = total petroleum hydrocarbons quantified as gasoline

TABLE 3
Selenium Confirmation Monitoring Event Results
Third Quarter 2010
SFPP, L.P.
Norwalk, California

Analysis	Location	Date	Calscience Method 6020	Applied Speciation Method 6020A (DRC)	TestAmerica Method 6020A
Dissolved Selenium (preserved)	Effluent	07/22/10	5.03	0.148	ND (<1.4)
Total Selenium (preserved)	Effluent	07/22/10	4.88	0.170	ND (<1.4)
Total Selenium (unpreserved)	Effluent	07/22/10	4.13	0.209	ND (<1.4)

Notes
All units are expressed as micrograms per liter (μg/L)
Samples for dissolved selenium analysis were filtered in the field during sampling
ND (<1.4) = not detected, minimum detection limit in parentheses
DRC = dynamic reaction cell method

Appendix A
Laboratory Analytical Reports and Chain-of-Custody Documents for NPDES Effluent Monitoring

Calscience
Environmental
Laboratories, Inc.

July 15, 2010

Alex Padilla
AMEC Geomatrix, Inc.
510 Superior Avenue
Suite 200
Newport Beach, CA 92663-3627

Subject: **Calscience Work Order No.: 10-07-0322**
Client Reference: SFPP - Norwalk Site

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 7/7/2010 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience Environmental Laboratories, Inc.

The difference is service

Client:	AMEC Geomatrix, Inc.	Work Order:	10-07-0322
	510 Superior Avenue	Project name:	SFPP - Norwalk Site
	Suite 200	Received:	07/07/10 11:40
Attn:	Alex Padilla		

DETECTIONS SUMMARY

Client Sample ID / Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
EFF-07-07						
Copper	**0.000733**	J	0.000105*	mg/L	EPA 6020	EPA 3020A Total
Selenium	**0.00394**		0.00100	mg/L	EPA 6020	EPA 3020A Total
Phenolics, Total	**0.074**	J	0.046*	mg/L	EPA 420.1	N/A
Solids, Total Suspended	**4.7**		1.0	mg/L	SM 2540 D	N/A
TPH as Gasoline	**52**	J	48*	ug/L	EPA 8015B (M)	EPA 5030B

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Geomatrix, Inc.		Date Received:	07/07/10
510 Superior Avenue		Work Order No:	10-07-0322
Suite 200		Preparation:	EPA 5030B
Newport Beach, CA 92663-3627		Method:	EPA 8015B (M)

Project: SFPP - Norwalk Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EFF-07-07	**10-07-0322-1-D**	**07/07/10 10:45**	**Aqueous**	**GC 18**	**07/08/10**	**07/08/10 20:54**	**100708B01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	52	100	48	1	J	ug/L

Surrogates:	REC (%)	Control Limits	MDL	Qual
1,4-Bromofluorobenzene	88	38-134		

Method Blank	**099-12-247-4,330**	**N/A**	**Aqueous**	**GC 18**	**07/08/10**	**07/08/10 16:33**	**100708B01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	100	48	1		ug/L

Surrogates:	REC (%)	Control Limits	MDL	Qual
1,4-Bromofluorobenzene	87	38-134		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Geomatrix, Inc.		Date Received:	07/07/10
510 Superior Avenue		Work Order No:	10-07-0322
Suite 200		Preparation:	EPA 5030B
Newport Beach, CA 92663-3627		Method:	EPA 8260B
		Units:	ug/L
Project: SFPP - Norwalk Site			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EFF-07-07	**10-07-0322-1-B**	**07/07/10 10:45**	**Aqueous**	**GC/MS EE**	**07/08/10**	**07/09/10 07:41**	**100708L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.28	1		Toluene	ND	1.0	0.33	1	
2-Butanone	ND	10	6.9	1		p/m-Xylene	ND	1.0	0.45	1	
1,1-Dichloroethane	ND	1.0	0.37	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
Ethylbenzene	ND	1.0	0.22	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	107	80-126		1,2-Dichloroethane-d4	112	80-131	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	89	80-120	

Method Blank	**099-14-001-1,339**	**N/A**	**Aqueous**	**GC/MS EE**	**07/08/10**	**07/09/10 03:04**	**100708L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.28	1		Toluene	ND	1.0	0.33	1	
2-Butanone	ND	10	6.9	1		p/m-Xylene	ND	1.0	0.45	1	
1,1-Dichloroethane	ND	1.0	0.37	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
Ethylbenzene	ND	1.0	0.22	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	108	80-126		1,2-Dichloroethane-d4	114	80-131	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	87	80-120	

Method Blank	**099-14-001-1,340**	**N/A**	**Aqueous**	**GC/MS EE**	**07/09/10**	**07/09/10 15:04**	**100709L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.28	1		Toluene	ND	1.0	0.33	1	
2-Butanone	ND	10	6.9	1		p/m-Xylene	ND	1.0	0.45	1	
1,1-Dichloroethane	ND	1.0	0.37	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
Ethylbenzene	ND	1.0	0.22	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	107	80-126		1,2-Dichloroethane-d4	113	80-131	
Toluene-d8	98	80-120		1,4-Bromofluorobenzene	89	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Geomatrix, Inc.		Date Received:	07/07/10
510 Superior Avenue		Work Order No:	10-07-0322
Suite 200		Preparation:	EPA 3020A Total
Newport Beach, CA 92663-3627		Method:	EPA 6020
		Units:	mg/L
Project: SFPP - Norwalk Site			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EFF-07-07	**10-07-0322-1-H**	**07/07/10 10:45**	**Aqueous**	**ICP/MS 04**	**07/07/10**	**07/07/10 16:10**	**100707L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Copper	0.000733	0.00100	0.000105	1	J	Selenium	0.00394	0.00100	0.000554	1	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**096-06-003-2,888**	**N/A**	**Aqueous**	**ICP/MS 04**	**07/07/10**	**07/07/10 15:31**	**100707L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Copper	ND	0.00100	0.000105	1		Selenium	ND	0.00100	0.000554	1	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Geomatrix, Inc.		Date Received:	07/07/10
510 Superior Avenue		Work Order No:	10-07-0322
Suite 200		Preparation:	EPA 7470A Total
Newport Beach, CA 92663-3627		Method:	EPA 7470A

Project: SFPP - Norwalk Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EFF-07-07	**10-07-0322-1-H**	**07/07/10 10:45**	**Aqueous**	**Mercury**	**07/07/10**	**07/07/10 18:00**	**100707L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Mercury	ND	0.0000500	0.0000177	1		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-510-72**	**N/A**	**Aqueous**	**Mercury**	**07/07/10**	**07/07/10 17:42**	**100707L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Mercury	ND	0.0000500	0.0000177	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Geomatrix, Inc.
510 Superior Avenue
Suite 200
Newport Beach, CA 92663-3627

Date Received: 07/07/10
Work Order No: 10-07-0322

Project: SFPP - Norwalk Site

Client Sample Number	Lab Sample Number	Date Collected	Matrix
EFF-07-07	**10-07-0322-1**	**07/07/10**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Phenolics, Total (24)	0.074	0.10	0.046	1	J	mg/L	07/12/10	07/12/10	EPA 420.1
Chromium, Hexavalent (24)	ND	1.0	0.057	1		ug/L	N/A	07/07/10	EPA 7199
Solids, Total Suspended (24)	4.7	1.0	0.95	1		mg/L	07/09/10	07/09/10	SM 2540 D
Solids, Settleable (24)	ND	0.10	0.10	1		mL/L/hr	07/07/10	07/07/10	SM 2540 F
Oil and Grease (24)	ND	1.0	0.88	1		mg/L	07/13/10	07/13/10	SM 5520 B

Method Blank			**N/A**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Phenolics, Total (24)	ND	0.10	0.046	1		mg/L	07/12/10	07/12/10	EPA 420.1
Chromium, Hexavalent (24)	ND	1.0	0.057	1		ug/L	N/A	07/07/10	EPA 7199
Solids, Total Suspended (24)	ND	1.0	0.95	1		mg/L	07/09/10	07/09/10	SM 2540 D
Oil and Grease (24)	ND	1.0	0.88	1		mg/L	07/13/10	07/13/10	SM 5520 B

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC Geomatrix, Inc.
510 Superior Avenue
Suite 200
Newport Beach, CA 92663-3627

Date Received: 07/07/10
Work Order No: 10-07-0322
Preparation: EPA 3020A Total
Method: EPA 6020

Project SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
EFF-07-07	**Aqueous**	**ICP/MS 04**	**07/07/10**	**07/07/10**	**100707S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Copper	75	79	72-108	5	0-10	
Selenium	80	87	59-125	8	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - PDS / PDSD

ACCREDITED IN ACCORDANCE WITH nelac

AMEC Geomatrix, Inc.		Date Received	07/07/10
510 Superior Avenue		Work Order No:	10-07-0322
Suite 200		Preparation:	EPA 3020A Total
Newport Beach, CA 92663-3627		Method:	EPA 6020

Project: SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS / PDSD Batch Number
EFF-07-07	**Aqueous**	**ICP/MS 04**	**07/07/10**	**07/07/10**	**100707S02**

Parameter	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Copper	87	86	75-125	1	0-10	
Selenium	87	82	75-125	5	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC Geomatrix, Inc.		Date Received:	07/07/10
510 Superior Avenue		Work Order No:	10-07-0322
Suite 200		Preparation:	EPA 5030B
Newport Beach, CA 92663-3627		Method:	EPA 8015B (M)

Project SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
EFF-07-07	**Aqueous**	**GC 18**	**07/08/10**	**07/08/10**	**100708S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	91	91	68-122	0	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC Geomatrix, Inc.
510 Superior Avenue
Suite 200
Newport Beach, CA 92663-3627

Date Received: 07/07/10
Work Order No: 10-07-0322
Preparation: EPA 7470A Total
Method: EPA 7470A

Project SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-07-0302-1	**Aqueous**	**Mercury**	**07/07/10**	**07/07/10**	**100707S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	96	97	57-141	1	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - PDS / PDSD

AMEC Geomatrix, Inc.		Date Received	07/07/10
510 Superior Avenue		Work Order No:	10-07-0322
Suite 200		Preparation:	EPA 7470A Total
Newport Beach, CA 92663-3627		Method:	EPA 7470A

Project: SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS / PDSD Batch Number
10-07-0302-1	**Aqueous**	**Mercury**	**07/07/10**	**07/07/10**	**100707S02**

Parameter	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	89	90	75-125	1	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC Geomatrix, Inc.
510 Superior Avenue
Suite 200
Newport Beach, CA 92663-3627

Date Received: 07/07/10
Work Order No: 10-07-0322
Preparation: EPA 5030B
Method: EPA 8260B

Project SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-07-0415-7	**Aqueous**	**GC/MS EE**	**07/08/10**	**07/09/10**	**100708S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	107	108	80-120	1	0-20	
Carbon Tetrachloride	102	104	55-151	2	0-20	
Chlorobenzene	100	101	80-120	1	0-20	
1,2-Dibromoethane	112	111	77-125	0	0-20	
1,2-Dichlorobenzene	97	98	78-120	1	0-20	
1,2-Dichloroethane	120	122	80-120	1	0-20	3
1,1-Dichloroethene	83	84	69-129	1	0-20	
Ethylbenzene	109	109	73-127	0	0-20	
Toluene	103	102	80-120	1	0-20	
Trichloroethene	100	105	67-133	5	0-20	
Vinyl Chloride	84	85	67-133	1	0-20	
Methyl-t-Butyl Ether (MTBE)	101	105	65-131	4	0-22	
Tert-Butyl Alcohol (TBA)	89	93	62-134	5	0-20	
Diisopropyl Ether (DIPE)	88	92	64-136	4	0-29	
Ethyl-t-Butyl Ether (ETBE)	86	89	70-124	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	112	113	71-125	1	0-20	
Ethanol	91	88	44-152	3	0-43	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC Geomatrix, Inc.
510 Superior Avenue
Suite 200
Newport Beach, CA 92663-3627

Date Received: 07/07/10
Work Order No: 10-07-0322
Preparation: EPA 5030B
Method: EPA 8260B

Project SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-07-0415-8	**Aqueous**	**GC/MS EE**	**07/09/10**	**07/09/10**	**100709S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	107	109	80-120	1	0-20	
Carbon Tetrachloride	105	100	55-151	4	0-20	
Chlorobenzene	103	102	80-120	1	0-20	
1,2-Dibromoethane	113	109	77-125	3	0-20	
1,2-Dichlorobenzene	99	100	78-120	1	0-20	
1,2-Dichloroethane	121	117	80-120	3	0-20	3
1,1-Dichloroethene	83	84	69-129	1	0-20	
Ethylbenzene	114	112	73-127	1	0-20	
Toluene	104	105	80-120	1	0-20	
Trichloroethene	106	107	67-133	1	0-20	
Vinyl Chloride	85	89	67-133	5	0-20	
Methyl-t-Butyl Ether (MTBE)	102	101	65-131	1	0-22	
Tert-Butyl Alcohol (TBA)	90	90	62-134	0	0-20	
Diisopropyl Ether (DIPE)	91	89	64-136	2	0-29	
Ethyl-t-Butyl Ether (ETBE)	88	87	70-124	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	114	116	71-125	1	0-20	
Ethanol	83	84	44-152	0	0-43	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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AMEC Geomatrix, Inc.
510 Superior Avenue
Suite 200
Newport Beach, CA 92663-3627

Date Received: N/A
Work Order No: 10-07-0322

Project: SFPP - Norwalk Site

Matrix: Aqueous or Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	MS% REC	MSD % REC	%REC CL	RPD	RPD CL	Qualifiers
Chromium, Hexavalent	EPA 7199	EFF-07-07	07/07/10	N/A	98	98	70-130	0	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

AMEC Geomatrix, Inc.
510 Superior Avenue
Suite 200
Newport Beach, CA 92663-3627

Date Received: N/A
Work Order No: 10-07-0322

Project: SFPP - Norwalk Site

Matrix: Aqueous or Solid

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Solids, Total Suspended	SM 2540 D	10-07-0375-5	07/09/10	7310	7160	2	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC Geomatrix, Inc.
510 Superior Avenue
Suite 200
Newport Beach, CA 92663-3627

Date Received: N/A
Work Order No: 10-07-0322
Preparation: EPA 3020A Total
Method: EPA 6020

Project: SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
096-06-003-2,888	**Aqueous**	**ICP/MS 04**	**07/07/10**	**07/07/10**	**100707L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Copper	104	98	80-120	6	0-20	
Selenium	92	92	80-120	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC Geomatrix, Inc.
510 Superior Avenue
Suite 200
Newport Beach, CA 92663-3627

Date Received: N/A
Work Order No: 10-07-0322
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-247-4,330	**Aqueous**	**GC 18**	**07/08/10**	**07/08/10**	**100708B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	95	95	78-120	0	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC Geomatrix, Inc.
510 Superior Avenue
Suite 200
Newport Beach, CA 92663-3627

Date Received: N/A
Work Order No: 10-07-0322
Preparation: EPA 7470A Total
Method: EPA 7470A

Project: SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-510-72	**Aqueous**	**Mercury**	**07/07/10**	**07/07/10**	**100707L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	98	96	85-121	2	0-4	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC Geomatrix, Inc.
510 Superior Avenue
Suite 200
Newport Beach, CA 92663-3627

Date Received: N/A
Work Order No: 10-07-0322
Preparation: EPA 5030B
Method: EPA 8260B

Project: SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-1,339	**Aqueous**	**GC/MS EE**	**07/08/10**	**07/09/10**	**100708L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	109	107	80-120	73-127	2	0-20	
Carbon Tetrachloride	104	100	67-139	55-151	3	0-22	
Chlorobenzene	101	100	80-120	73-127	1	0-20	
1,2-Dibromoethane	113	111	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	97	99	79-120	72-127	3	0-20	
1,2-Dichloroethane	120	117	80-120	73-127	2	0-20	
1,1-Dichloroethene	84	85	71-125	62-134	2	0-25	
Ethylbenzene	111	111	80-123	73-130	0	0-20	
Toluene	104	102	80-120	73-127	3	0-20	
Trichloroethene	106	103	80-120	73-127	2	0-20	
Vinyl Chloride	92	91	68-140	56-152	1	0-23	
Methyl-t-Butyl Ether (MTBE)	103	105	75-123	67-131	2	0-25	
Tert-Butyl Alcohol (TBA)	87	91	72-126	63-135	4	0-20	
Diisopropyl Ether (DIPE)	92	91	75-129	66-138	1	0-22	
Ethyl-t-Butyl Ether (ETBE)	87	89	76-124	68-132	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	115	113	79-121	72-128	1	0-20	
Ethanol	84	91	53-143	38-158	8	0-25	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC Geomatrix, Inc.
510 Superior Avenue
Suite 200
Newport Beach, CA 92663-3627

Date Received: N/A
Work Order No: 10-07-0322
Preparation: EPA 5030B
Method: EPA 8260B

Project: SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-1,340	**Aqueous**	**GC/MS EE**	**07/09/10**	**07/09/10**	**100709L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	108	107	80-120	73-127	0	0-20	
Carbon Tetrachloride	101	103	67-139	55-151	1	0-22	
Chlorobenzene	102	101	80-120	73-127	0	0-20	
1,2-Dibromoethane	114	110	80-120	73-127	4	0-20	
1,2-Dichlorobenzene	99	100	79-120	72-127	1	0-20	
1,2-Dichloroethane	121	118	80-120	73-127	3	0-20	ME
1,1-Dichloroethene	89	84	71-125	62-134	6	0-25	
Ethylbenzene	111	111	80-123	73-130	0	0-20	
Toluene	102	104	80-120	73-127	1	0-20	
Trichloroethene	105	103	80-120	73-127	2	0-20	
Vinyl Chloride	87	87	68-140	56-152	0	0-23	
Methyl-t-Butyl Ether (MTBE)	102	102	75-123	67-131	0	0-25	
Tert-Butyl Alcohol (TBA)	89	94	72-126	63-135	6	0-20	
Diisopropyl Ether (DIPE)	90	89	75-129	66-138	1	0-22	
Ethyl-t-Butyl Ether (ETBE)	88	88	76-124	68-132	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	114	113	79-121	72-128	1	0-20	
Ethanol	84	88	53-143	38-158	4	0-25	

Total number of LCS compounds : 17
Total number of ME compounds : 1
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC Geomatrix, Inc.
510 Superior Avenue
Suite 200
Newport Beach, CA 92663-3627

Date Received: N/A
Work Order No: 10-07-0322

Project: SFPP - Norwalk Site

Matrix: Aqueous or Solid

Parameter	Method	Quality Control Sample ID	Date Extracted	Date Analyzed	LCS % REC	LCSD % REC	%REC CL	RPD	RPD CL	Qual
Chromium, Hexavalent	EPA 7199	099-05-123-2,635	N/A	07/07/10	100	100	80-120	0	0-20	
Phenolics, Total	EPA 420.1	099-05-085-2,241	07/12/10	07/12/10	94	93	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-07-0322

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

DATE: 07-07-10

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)

P.O. NO.:
QUOTE NO.:
LAB USE ONLY: 07-0322

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 A. Padilla at Geomatrix, 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	SAMPLING TIME	MAT-RIX	NO. OF CONT.	Oil & Grease (413.1)	TPH-g (C5-C14 Only) (8015M)	MtBE;BTEX;1,1-DCA;1,2-DCA;MEK(8260B)	Settleable Solids (160.5)	Total Suspended Solids (160.2)	Phenolics (420.1)	Hg,Cr(VI),Cu(1669,7199,6020)	Selenium on 24 HR TAT	Comments
1	EFF- 07-07	Effluent	07-07-10	1045	WW	12	X	X	X	X	X	X	X	X	Temperature* = _____
															Temperature* = _____
															(Temp. as sampled)*
															Monthly

Relinquished by: (Signature)	Received by: (Signature)	Date: 7/7/10	Time: 1140
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Revised: 07/23/09

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-07-0 3 2 2

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: KINDER MORGAN ENERGY PARTNERS DATE: 07/07/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 3.2 °C + 0.5 °C (CF) = 3.7 °C ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only Initial: PS

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: PS

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: PS

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑6 VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☑1AGB**s**

☐500AGB ☐500AGJ ☑500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☑3 ☑1PB ☑500PB ☐500PB**na**

☐250PB ☑2 250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** PS

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** 20/SO

Preservative: h: HCL n: HNO_3 na$_2$: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** PS

Calscience
Environmental
Laboratories, Inc.

July 27, 2010

Alex Padilla
AMEC Geomatrix, Inc.
510 Superior Avenue
Suite 200
Newport Beach, CA 92663-3627

Subject: **Calscience Work Order No.: 10-07-1466**
Client Reference: SFPP - Norwalk Site

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 7/20/2010 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Geomatrix, Inc.		Date Received:	07/20/10
510 Superior Avenue		Work Order No:	10-07-1466
Suite 200		Preparation:	EPA 3020A Total
Newport Beach, CA 92663-3627		Method:	EPA 6020

Project: SFPP - Norwalk Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EFF-07-20	**10-07-1466-1-B**	**07/20/10 12:30**	**Aqueous**	**ICP/MS 04**	**07/22/10**	**07/22/10 14:52**	**100722L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Lead	ND	0.00100	0.000170	1		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**096-06-003-2,902**	**N/A**	**Aqueous**	**ICP/MS 04**	**07/22/10**	**07/22/10 13:30**	**100722L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Lead	ND	0.00100	0.000170	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Geomatrix, Inc.		Date Received:	07/20/10
510 Superior Avenue		Work Order No:	10-07-1466
Suite 200		Preparation:	N/A
Newport Beach, CA 92663-3627		Method:	SM 2130 B

Project: SFPP - Norwalk Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EFF-07-20	**10-07-1466-1-A**	**07/20/10 12:30**	**Aqueous**	**TUR 3**	**N/A**	**07/20/10 17:05**	**A0720TURD1**

Parameter	Result	RL	DF	Qual	Units
Turbidity	0.69	0.050	1		NTU

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC Geomatrix, Inc.		Date Received:	07/20/10
510 Superior Avenue		Work Order No:	10-07-1466
Suite 200		Preparation:	EPA 3020A Total
Newport Beach, CA 92663-3627		Method:	EPA 6020

Project SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-07-1472-1	**Aqueous**	**ICP/MS 04**	**07/22/10**	**07/22/10**	**100722S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	96	100	79-121	4	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - PDS / PDSD

ACCREDITED IN ACCORDANCE WITH nelac

AMEC Geomatrix, Inc.	Date Received 07/20/10
510 Superior Avenue	Work Order No: 10-07-1466
Suite 200	Preparation: EPA 3020A Total
Newport Beach, CA 92663-3627	Method: EPA 6020

Project: SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS / PDSD Batch Number
10-07-1472-1	**Aqueous**	**ICP/MS 04**	**07/22/10**	**07/22/10**	**100722S01**

Parameter	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	94	104	75-125	10	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

AMEC Geomatrix, Inc.		Date Received:	07/20/10
510 Superior Avenue		Work Order No:	10-07-1466
Suite 200		Preparation:	N/A
Newport Beach, CA 92663-3627		Method:	SM 2130 B

Project: SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
EFF-07-20	**Aqueous**	**TUR 3**	**N/A**	**07/20/10**	**A0720TURD1**

Parameter	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Turbidity	0.69	0.70	1	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC Geomatrix, Inc.
510 Superior Avenue
Suite 200
Newport Beach, CA 92663-3627

Date Received: N/A
Work Order No: 10-07-1466
Preparation: EPA 3020A Total
Method: EPA 6020

Project: SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
096-06-003-2,902	**Aqueous**	**ICP/MS 04**	**07/22/10**	**07/22/10**	**100722L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	99	101	80-120	3	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-07-1466

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

DATE: ~~7/20/2010~~ 07-20-10

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)

P.O. NO.:

QUOTE NO.:

LAB USE ONLY: 07-1466

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 A. Padilla at Geomatrix, 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	SAMPLING TIME	MAT-RIX	NO. OF CONT.	Turbidity (SM 2130)	Lead (EPA 6020)	Comments
1	EFF- 07-20	Effluent	07-20-10	1230	WW	2	X	X	Temperature* = 78.1
									(Temp. as sampled*)
									Quarterly

Relinquished by: (Signature)	Received by: (Signature) Danyle CZL	Date: 7/20/10	Time: 13:48
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Revised: 07/23/09

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-07-1466

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: KMEP DATE: 07/20/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 3.0 °C + 0.5 °C (CF) = 3.5 °C ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only Initial: DL

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: DL

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: DL

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☑	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☑500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na**

☐250PB ☐250PB**n** ☑125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** WSL

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** DL

Preservative: h: HCL n: HNO_3 na$_2$: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** WSL

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-07-[1][4][6][6]

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

- ☐ **Sample(s)/Container(s) NOT RECEIVED but listed on COC**
- ☐ **Sample(s)/Container(s) received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s) used** – list test
- ☑ **Improper preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☐ **Sample label(s) do not match COC** – Note in comments
  - ☐ **Sample ID**
  - ☐ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☐ **# of Container(s)**
  - ☐ **Analysis**
- ☐ **Sample container(s) compromised** – Note in comments
  - ☐ **Water present in sample container**
  - ☐ **Broken**
  - ☐ **Without Label(s)**
- ☐ **Air sample container(s) compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Very low in volume**
  - ☐ **Leaking (Not transferred - duplicate bag submitted)**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

Comments:

received unpreserved bottle for metals.

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: WS 07/20/10

Calscience
Environmental
Laboratories, Inc.

August 11, 2010

Dan Jablonski
CH2M Hill
1000 Wilshire Blvd.
21st Floor
Los Angeles, CA 90017-2417

Subject: **Calscience Work Order No.: 10-08-0165**
Client Reference: SFPP - Norwalk Site

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 08/03/2010 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience Environmental Laboratories, Inc.

Client: CH2M Hill
1000 Wilshire Blvd.
21st Floor
Attn: Dan Jablonski

Work Order: 10-08-0165
Project name: SFPP - Norwalk Site
Received: 08/03/10 16:48

DETECTIONS SUMMARY

Client Sample ID / Analyte	Result	Qualifiers	Reporting Limit	Units	Method	Extraction
EFF-08-03						
Copper	**0.000876**	J	0.000105*	mg/L	EPA 6020	EPA 3020A Total
Selenium	**0.00546**		0.00100	mg/L	EPA 6020	EPA 3020A Total

Subcontracted analyses, if any, are not included in this summary.

*MDL is shown.

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	08/03/10
1000 Wilshire Blvd.		Work Order No:	10-08-0165
21st Floor		Preparation:	EPA 5030B
Los Angeles, CA 90017-2417		Method:	EPA 8015B (M)

Project: SFPP - Norwalk Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EFF-08-03	**10-08-0165-1-E**	**08/03/10 16:15**	**Aqueous**	**GC 42**	**08/05/10**	**08/05/10 12:25**	**100805B01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	100	48	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**	**MDL**		**Qual**	
1,4-Bromofluorobenzene	92	38-134				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-247-4,390**	**N/A**	**Aqueous**	**GC 42**	**08/05/10**	**08/05/10 06:19**	**100805B01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	100	48	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**	**MDL**		**Qual**	
1,4-Bromofluorobenzene	94	38-134				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	08/03/10
1000 Wilshire Blvd.		Work Order No:	10-08-0165
21st Floor		Preparation:	EPA 5030B
Los Angeles, CA 90017-2417		Method:	EPA 8260B
		Units:	ug/L
Project: SFPP - Norwalk Site			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EFF-08-03	**10-08-0165-1-A**	**08/03/10 16:15**	**Aqueous**	**GC/MS EE**	**08/04/10**	**08/04/10 18:36**	**100804L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	1.0	0.57	2		Toluene	ND	2.0	0.65	2	
2-Butanone	ND	20	14	2		p/m-Xylene	ND	2.0	0.91	2	
1,1-Dichloroethane	ND	2.0	0.75	2		o-Xylene	ND	2.0	0.47	2	
1,2-Dichloroethane	ND	1.0	0.63	2		Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.61	2	
Ethylbenzene	ND	2.0	0.44	2							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	80-126		1,2-Dichloroethane-d4	113	80-131	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	93	80-120	

Method Blank	099-14-001-1,610	N/A	Aqueous	GC/MS EE	08/04/10	08/04/10 14:26	100804L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.28	1		Toluene	ND	1.0	0.33	1	
2-Butanone	ND	10	6.9	1		p/m-Xylene	ND	1.0	0.45	1	
1,1-Dichloroethane	ND	1.0	0.37	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
Ethylbenzene	ND	1.0	0.22	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	80-126		1,2-Dichloroethane-d4	108	80-131	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	94	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	08/03/10
1000 Wilshire Blvd.		Work Order No:	10-08-0165
21st Floor		Preparation:	EPA 3020A Total
Los Angeles, CA 90017-2417		Method:	EPA 6020
		Units:	mg/L
Project: SFPP - Norwalk Site			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EFF-08-03	**10-08-0165-1-H**	**08/03/10 16:15**	**Aqueous**	**ICP/MS 04**	**08/03/10**	**08/03/10 22:25**	**100803L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Copper	0.000876	0.00100	0.000105	1	J	Selenium	0.00546	0.00100	0.000554	1	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**096-06-003-2,917**	**N/A**	**Aqueous**	**ICP/MS 04**	**08/03/10**	**08/04/10 00:50**	**100803L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Copper	ND	0.00100	0.000105	1		Selenium	ND	0.00100	0.000554	1	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	08/03/10
1000 Wilshire Blvd.		Work Order No:	10-08-0165
21st Floor		Preparation:	EPA 7470A Total
Los Angeles, CA 90017-2417		Method:	EPA 7470A

Project: SFPP - Norwalk Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EFF-08-03	**10-08-0165-1-H**	**08/03/10 16:15**	**Aqueous**	**Mercury**	**08/04/10**	**08/04/10 13:41**	**100804L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Mercury	ND	0.0000500	0.0000177	1		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-510-73**	**N/A**	**Aqueous**	**Mercury**	**08/04/10**	**08/04/10 13:19**	**100804L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Mercury	ND	0.0000500	0.0000177	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
1000 Wilshire Blvd.
21st Floor
Los Angeles, CA 90017-2417

Date Received: 08/03/10
Work Order No: 10-08-0165

Project: SFPP - Norwalk Site

Client Sample Number	Lab Sample Number	Date Collected	Matrix
EFF-08-03	**10-08-0165-1**	**08/03/10**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Phenolics, Total (24)	ND	0.10	0.046	1		mg/L	08/09/10	08/09/10	EPA 420.1
Chromium, Hexavalent (24)	ND	1.0	0.041	1		ug/L	N/A	08/03/10	EPA 7199
Solids, Total Suspended (24)	ND	1.0	0.95	1		mg/L	08/04/10	08/04/10	SM 2540 D
Solids, Settleable (24)	ND	0.10	0.10	1		mL/L/hr	08/03/10	08/03/10	SM 2540 F
Oil and Grease (24)	ND	1.0	0.88	1		mg/L	08/06/10	08/06/10	SM 5520 B

Method Blank	**N/A**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Phenolics, Total (24)	ND	0.10	0.046	1		mg/L	08/09/10	08/09/10	EPA 420.1
Chromium, Hexavalent (24)	ND	1.0	0.041	1		ug/L	N/A	08/03/10	EPA 7199
Solids, Total Suspended (24)	ND	1.0	0.95	1		mg/L	08/04/10	08/04/10	SM 2540 D
Oil and Grease (24)	ND	1.0	0.88	1		mg/L	08/06/10	08/06/10	SM 5520 B

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

CH2M Hill
1000 Wilshire Blvd.
21st Floor
Los Angeles, CA 90017-2417

Date Received: 08/03/10
Work Order No: 10-08-0165
Preparation: EPA 3020A Total
Method: EPA 6020

Project SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-08-0119-1	**Aqueous**	**ICP/MS 04**	**08/03/10**	**08/04/10**	**100803S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Copper	95	93	72-108	2	0-10	
Selenium	81	88	59-125	8	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - PDS / PDSD

ACCREDITED IN ACCORDANCE WITH nelac

CH2M Hill		Date Received	08/03/10
1000 Wilshire Blvd.		Work Order No:	10-08-0165
21st Floor		Preparation:	EPA 3020A Total
Los Angeles, CA 90017-2417		Method:	EPA 6020

Project: SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS / PDSD Batch Number
10-08-0119-1	**Aqueous**	**ICP/MS 04**	**08/03/10**	**08/04/10**	**100803S02**

Parameter	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Copper	93	91	75-125	2	0-10	
Selenium	82	79	75-125	3	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

CH2M Hill		Date Received:	08/03/10
1000 Wilshire Blvd.		Work Order No:	10-08-0165
21st Floor		Preparation:	EPA 5030B
Los Angeles, CA 90017-2417		Method:	EPA 8015B (M)

Project SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-08-0162-2	**Aqueous**	**GC 42**	**08/05/10**	**08/05/10**	**100805S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	86	91	68-122	6	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

CH2M Hill
1000 Wilshire Blvd.
21st Floor
Los Angeles, CA 90017-2417

Date Received: 08/03/10
Work Order No: 10-08-0165
Preparation: EPA 7470A Total
Method: EPA 7470A

Project SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-08-0102-2	**Aqueous**	**Mercury**	**08/04/10**	**08/04/10**	**100804S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	95	95	57-141	0	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

CH2M Hill
1000 Wilshire Blvd.
21st Floor
Los Angeles, CA 90017-2417

Date Received: 08/03/10
Work Order No: 10-08-0165
Preparation: EPA 5030B
Method: EPA 8260B

Project SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-08-0063-5	**Aqueous**	**GC/MS EE**	**08/04/10**	**08/04/10**	**100804S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	97	80-120	1	0-20	
Carbon Tetrachloride	108	108	55-151	1	0-20	
Chlorobenzene	99	97	80-120	2	0-20	
1,2-Dibromoethane	102	103	77-125	1	0-20	
1,2-Dichlorobenzene	99	101	78-120	2	0-20	
1,2-Dichloroethane	105	105	80-120	0	0-20	
1,1-Dichloroethene	91	92	69-129	1	0-20	
Ethylbenzene	107	106	73-127	1	0-20	
Toluene	94	93	80-120	1	0-20	
Trichloroethene	98	99	67-133	1	0-20	
Vinyl Chloride	102	108	67-133	6	0-20	
Methyl-t-Butyl Ether (MTBE)	96	98	65-131	2	0-22	
Tert-Butyl Alcohol (TBA)	105	102	62-134	3	0-20	
Diisopropyl Ether (DIPE)	99	101	64-136	2	0-29	
Ethyl-t-Butyl Ether (ETBE)	96	99	70-124	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	99	100	71-125	1	0-20	
Ethanol	110	106	44-152	4	0-43	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

CH2M Hill
1000 Wilshire Blvd.
21st Floor
Los Angeles, CA 90017-2417

Date Received: N/A
Work Order No: 10-08-0165

Project: SFPP - Norwalk Site

Matrix: Aqueous or Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	MS% REC	MSD % REC	%REC CL	RPD	RPD CL	Qualifiers
Chromium, Hexavalent	EPA 7199	10-08-0173-2	08/03/10	N/A	102	103	70-130	1	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

CH2M Hill
1000 Wilshire Blvd.
21st Floor
Los Angeles, CA 90017-2417

Date Received: N/A
Work Order No: 10-08-0165

Project: SFPP - Norwalk Site

Matrix: Aqueous or Solid

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Solids, Total Suspended	SM 2540 D	10-07-2246-1	08/04/10	178	185	4	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

CH2M Hill		Date Received:	N/A
1000 Wilshire Blvd.		Work Order No:	10-08-0165
21st Floor		Preparation:	EPA 3020A Total
Los Angeles, CA 90017-2417		Method:	EPA 6020

Project: SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
096-06-003-2,917	**Aqueous**	**ICP/MS 04**	**08/03/10**	**08/04/10**	**100803L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Copper	102	103	80-120	0	0-20	
Selenium	96	97	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

CH2M Hill
1000 Wilshire Blvd.
21st Floor
Los Angeles, CA 90017-2417

Date Received: N/A
Work Order No: 10-08-0165
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-247-4,390	**Aqueous**	**GC 42**	**08/05/10**	**08/05/10**	**100805B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	96	96	78-120	0	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

CH2M Hill
1000 Wilshire Blvd.
21st Floor
Los Angeles, CA 90017-2417

Date Received: N/A
Work Order No: 10-08-0165
Preparation: EPA 7470A Total
Method: EPA 7470A

Project: SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-510-73	**Aqueous**	**Mercury**	**08/04/10**	**08/04/10**	**100804L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	98	98	85-121	0	0-4	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

CH2M Hill
1000 Wilshire Blvd.
21st Floor
Los Angeles, CA 90017-2417

Date Received: N/A
Work Order No: 10-08-0165
Preparation: EPA 5030B
Method: EPA 8260B

Project: SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-1,610	**Aqueous**	**GC/MS EE**	**08/04/10**	**08/04/10**	**100804L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	99	96	80-120	73-127	3	0-20	
Carbon Tetrachloride	107	105	67-139	55-151	2	0-22	
Chlorobenzene	100	97	80-120	73-127	4	0-20	
1,2-Dibromoethane	105	101	80-120	73-127	4	0-20	
1,2-Dichlorobenzene	102	98	79-120	72-127	4	0-20	
1,2-Dichloroethane	106	103	80-120	73-127	3	0-20	
1,1-Dichloroethene	94	91	71-125	62-134	4	0-25	
Ethylbenzene	108	104	80-123	73-130	4	0-20	
Toluene	98	96	80-120	73-127	2	0-20	
Trichloroethene	99	97	80-120	73-127	2	0-20	
Vinyl Chloride	112	104	68-140	56-152	8	0-23	
Methyl-t-Butyl Ether (MTBE)	96	95	75-123	67-131	1	0-25	
Tert-Butyl Alcohol (TBA)	102	98	72-126	63-135	4	0-20	
Diisopropyl Ether (DIPE)	99	96	75-129	66-138	3	0-22	
Ethyl-t-Butyl Ether (ETBE)	96	95	76-124	68-132	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	99	98	79-121	72-128	1	0-20	
Ethanol	115	105	53-143	38-158	9	0-25	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

CH2M Hill
1000 Wilshire Blvd.
21st Floor
Los Angeles, CA 90017-2417

Date Received: N/A
Work Order No: 10-08-0165

Project: SFPP - Norwalk Site

Matrix: Aqueous or Solid

Parameter	Method	Quality Control Sample ID	Date Extracted	Date Analyzed	LCS % REC	LCSD % REC	%REC CL	RPD	RPD CL	Qual
Chromium, Hexavalent	EPA 7199	099-05-123-2,657	N/A	08/03/10	103	102	80-120	1	0-20	
Phenolics, Total	EPA 420.1	099-05-085-2,251	08/09/10	08/09/10	96	95	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-08-0165

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

DATE: 08/03/10

PAGE: 1 OF 1

LABORATORY CLIENT: Kinder Morgan Energy Partners, Attn: Steve Defibaugh	CLIENT PROJECT NAME / NUMBER: SFPP - Norwalk Site	P.O. NO.:
ADDRESS: 1100 Town & Country Road	PROJECT CONTACT: James Dye	QUOTE NO.:
CITY: Orange, CA 92868	SAMPLER(S): (SIGNATURE)	LAB USE ONLY 08-0[illegible]65
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 A. Padilla at Geomatrix, 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	SAMPLING TIME	MAT-RIX	NO. OF CONT.	Oil & Grease (413.1)	TPH-g (C5-C14 Only) (8015M)	MtBE;BTEX;1,1-DCA;1,2-DCA;MEK(8260B)	Settleable Solids (160.5)	Total Suspended Solids (160.2)	Phenolics (420.1)	Hg,Cr(VI),Cu(1669,7199,6020)	Selenium on 24 HR TAT					Comments
1	EFF-08-03	Effluent	08/03/10		WW	12	X	X	X	X	X	X	X	X					Temperature* = 80.4
																			Temperature* =
																			(Temp. as sampled)*
																			Monthly

Relinquished by: (Signature)	Received by: (Signature)	Date: 8/03/10	Time: 1648
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Revised: 07/23/09

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-08-0165

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: KINDER MORGAN ENERGY PARTNERS

DATE: 08/03/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.0 °C + 0.5 °C (CF) = 2.5 °C ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only Initial: PS

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: PS

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: [illegible]

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☐	☑	☐
☑ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOAh ☐VOA**na$_2$** ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGB**na$_2$** ☑1AGBs

☐500AGB ☐500AGJ ☑500AGJs ☐250AGB ☐250CGB ☐250CGBs ☑1PB ☐500PB ☐500PB**na**

☐250PB ☑250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** [illegible]

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** [illegible]

Preservative: h: HCL n: HNO_3 na$_2$: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** [illegible]

August 31, 2010

Shawn P. Duffy
CH2M HILL
155 Grand Avenue, Suite 1000
Oakland, CA 94612

TEL: (530) 229-3303
FAX: (530) 339-3303

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

Workorder No.: N004549

RE: SFPP - Norwalk Site

Attention: Shawn P. Duffy

Enclosed are the results for sample(s) received on August 28, 2010 by Advanced Technology Laboratories - Las Vegas . 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,

for Jose Tenorio Jr.
Laboratory Director

CLIENT: CH2M HILL
Project: SFPP - Norwalk Site
Lab Order: N004549

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 are analyzed within method holding time.

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

Advanced Technology Laboratories - Las Vegas

Date: *31-Aug-10*

CLIENT: CH2M HILL
Project: SFPP - Norwalk Site
Lab Order: N004549
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N004549-001A	EFF-08-03	Water	8/3/2010	8/28/2010	

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

CLIENT:	CH2M HILL	**Client Sample ID:**	EFF-08-03
Lab Order:	N004549	**Collection Date:**	8/3/2010
Project:	SFPP - Norwalk Site	**Matrix:**	WATER
Lab ID:	N004549-001		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS							
EPA 3010A			**EPA 6020**				
RunID: **ICP4_100830B**	QC Batch: **35152**				PrepDate:	**8/29/2010**	Analyst: **JT**
Selenium	1.1	0.29	0.50		µg/L	1	8/30/2010
ICP-MS METALS BY DRC-TECHNOLOGY							
EPA 3010A			**EPA 6020**				
RunID: **ICP4_100830C**	QC Batch: **35152**				PrepDate:	**8/29/2010**	Analyst: **JT**
Selenium	0.87	0.50	0.50		µg/L	1	8/30/2010

Qualifiers:

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

CLIENT: CH2M HILL
Work Order: N004549
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_W

Sample ID: **N004547-004A-MS**	SampType: **MS**	TestCode: **6020_W**	Units: **µg/L**	Prep Date: **8/29/2010**	RunNo: **77636**
Client ID: **ZZZZZZ**	Batch ID: **35152**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/30/2010**	SeqNo: **1208390**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	13.401	0.50	12.50	1.108	98.4	75	125				

Sample ID: **N004547-004A-MSD**	SampType: **MSD**	TestCode: **6020_W**	Units: **µg/L**	Prep Date: **8/29/2010**	RunNo: **77636**
Client ID: **ZZZZZZ**	Batch ID: **35152**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/30/2010**	SeqNo: **1208391**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	13.099	0.50	12.50	1.108	95.9	75	125	13.40	2.28	20	

Sample ID: **MB-35152**	SampType: **MBLK**	TestCode: **6020_W**	Units: **µg/L**	Prep Date: **8/29/2010**	RunNo: **77636**
Client ID: **PBW**	Batch ID: **35152**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/30/2010**	SeqNo: **1208392**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	ND	0.50									

Sample ID: **LCS-35152**	SampType: **LCS**	TestCode: **6020_W**	Units: **µg/L**	Prep Date: **8/29/2010**	RunNo: **77636**
Client ID: **LCSW**	Batch ID: **35152**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/30/2010**	SeqNo: **1208393**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	11.806	0.50	12.50	0	94.4	85	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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: N004549
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_W_DRC

Sample ID: **N004547-004A-MS** SampType: **MS** TestCode: **6020_W_DRC** Units: **µg/L** Prep Date: **8/29/2010** RunNo: **77638**
Client ID: **ZZZZZZ** Batch ID: **35152** TestNo: **EPA 6020** **EPA 3010A** Analysis Date: **8/30/2010** SeqNo: **1208404**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	16.871	0.50	12.50	4.796	96.6	75	125				

Sample ID: **N004547-004A-MSD** SampType: **MSD** TestCode: **6020_W_DRC** Units: **µg/L** Prep Date: **8/29/2010** RunNo: **77638**
Client ID: **ZZZZZZ** Batch ID: **35152** TestNo: **EPA 6020** **EPA 3010A** Analysis Date: **8/30/2010** SeqNo: **1208405**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	17.041	0.50	12.50	4.796	98.0	75	125	16.87	1.00	20	

Sample ID: **MB-35152** SampType: **MBLK** TestCode: **6020_W_DRC** Units: **µg/L** Prep Date: **8/29/2010** RunNo: **77638**
Client ID: **PBW** Batch ID: **35152** TestNo: **EPA 6020** **EPA 3010A** Analysis Date: **8/30/2010** SeqNo: **1208406**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	ND	0.50									

Sample ID: **LCS-35152** SampType: **LCS** TestCode: **6020_W_DRC** Units: **µg/L** Prep Date: **8/29/2010** RunNo: **77638**
Client ID: **LCSW** Batch ID: **35152** TestNo: **EPA 6020** **EPA 3010A** Analysis Date: **8/30/2010** SeqNo: **1208407**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	12.106	0.50	12.50	0	96.9	85	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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 *3151 W. Post Road, Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691*

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

DATE: 08/03/10

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)

P.O. NO.:
QUOTE NO.:
LAB USE ONLY: 08-0785

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 A. Padilla at Geomatrix, 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	SAMPLING TIME	MAT-RIX	NO. OF CONT.	Oil & Grease (413.1)	TPH-g (C5-C14 Only) (8015M)	MtBE;BTEX;1,1-DCA;1,2-DCA;MEK(8260B)	Settleable Solids (160.5)	Total Suspended Solids (160.2)	Phenolics (420.1)	Hg,Cr(VI),Cu(1669,7199,6020)	Selenium on 24 HR TAT only
1	EFF-08-03	Effluent	08/03/10		WW	12	X	X	X	X	X	X	X	X
						1								
						SN								

Comments:
Temperature* = 80.4
Temperature* = _____
(Temp. as sampled*)
Monthly

Relinquished by: (Signature)	Received by: (Signature)	Date: 8/03/10	Time: 1648
Relinquished by: (Signature)	Received by: (Signature) FED EX	Date: 08/27/10	Time: 1730
Relinquished by: (Signature)	Received by: (Signature) MARION CARTIN	Date: 8/28/10	Time: 1000

2.1°C w/ ICE

Revised: 07/23/09

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

DATE: 08/03/10

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)

P.O. NO.:
QUOTE NO.:
LAB USE ONLY: 08-0788

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 A. Padilla at Geomatrix, 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	SAMPLING TIME	MAT-RIX	NO. OF CONT.	Oil & Grease (413.1)	TPH-g (C5-C14 Only) (8015M)	MtBE;BTEX;1,1-DCA;1,2-DCA;MEK(8260B)	Settleable Solids (160.5)	Total Suspended Solids (160.2)	Phenolics (420.1)	Hg,Cr(VI),Cu(1669,7199,6020)	Selenium on 24 HR TAT Only					Comments
1	EFF-08-03	Effluent	08/03/10		WW	12	X	X	X	X	X	X	X	X					Temperature* = 80.4
						1													Temperature* =
						SN													(Temp. as sampled*)
																			Monthly

Relinquished by: (Signature)	Received by: (Signature)	Date: 8/03/10	Time: 1648
Relinquished by: (Signature)	Received by: (Signature) FED EX	Date: 08/27/10	Time: 1730
Relinquished by: (Signature)	Received by: (Signature) MARION CAPTAIN	Date: 8/28/10	Time: 1000

2.1°C w/ ICE

Revised: 07/23/09

From: Origin ID: APVA (714) 895-5494
Noel Cruise
CALSCIENCE ENVIRONMENTAL LAB
7440 LINCOLN WAY

GARDEN GROVE, CA 92841

FedEx Express

Ship Date: 27AUG10
ActWgt: 11.0 LB
CAD: 1533735/INET3060

Delivery Address Bar Code

Ref # 407609.B1.01/DAN JABLONSKI
Invoice #
PO #
Dept #

SHIP TO: (702) 307-2659
MARLON CARTIN
ADVANCED TECH LABS
3151 W POST RD

LAS VEGAS, NV 89118

BILL RECIPIENT (Third Party)

RELEASE#: 3785346

TRK# 0201 7989 9455 3622

SATURDAY ### A1
PRIORITY OVERNIGHT

89118
NV-US
LAS

W0 LASA

588G4/33D6/9A24

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic valueof the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Advanced Technology Laboratories - Las Vegas

Please review the checklist below. Any NO and/or NA 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 (562) 989-4045.

Sample Receipt Checklist

Client Name: **CH2M HILL-OAKLAND**

Date Time Received: **8/28/2010 9:57:00 AM**

Work Order Number: **N004549**

Received by: **MBC**

Cooler Temp (Deg C): 2.1

Checklist completed by: Signature 8/28/10 Date

Reviewed by: Initials SB 8/31/10 Date

Carrier name: ATL

1. Shipping container/cooler in good condition?	Yes ✔	No	Not Present
2. Custody seals intact on shippping container/cooler?	Yes	No	Not Present ✔
3. Custody seals intact on sample bottles?	Yes	No	Not Present ✔
4. Chain of custody present?	Yes ✔	No	
5. Sampler's name present in COC?	Yes ✔	No	
6. Chain of custody signed when relinquished and received?	Yes ✔	No	
7. Chain of custody agrees with sample labels?	Yes ✔	No	
8. Samples in proper container/bottle?	Yes ✔	No	
9. Sample containers intact?	Yes ✔	No	
10. Sufficient sample volume for indicated test?	Yes ✔	No	
11. All samples received within holding time?	Yes ✔	No	
12. Container/Temp Blank temperature within acceptance limit?	Yes ✔	No	NA
13. Water - VOA vials have zero headspace?	Yes	No	NA ✔
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ✔	No	NA

Comments:

Calscience
Environmental
Laboratories, Inc.

August 11, 2010

Dan Jablonski
CH2M Hill
1000 Wilshire Blvd.
21st Floor
Los Angeles, CA 90017-2417

Subject: **Calscience Work Order No.: 10-08-0760**
Client Reference: SFPP - Norwalk Site

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 8/10/2010 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	08/10/10
1000 Wilshire Blvd.		Work Order No:	10-08-0760
21st Floor		Preparation:	EPA 3020A Total
Los Angeles, CA 90017-2417		Method:	EPA 6020

Project: SFPP - Norwalk Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EFF-08-10	**10-08-0760-1-A**	**08/10/10 11:55**	**Aqueous**	**ICP/MS 04**	**08/10/10**	**08/11/10 12:53**	**100810L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Selenium	0.00451	0.00100	0.000554	1		mg/L

Method Blank	**096-06-003-2,924**	**N/A**	**Aqueous**	**ICP/MS 04**	**08/10/10**	**08/11/10 13:04**	**100810L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Selenium	ND	0.00100	0.000554	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

CH2M Hill
1000 Wilshire Blvd.
21st Floor
Los Angeles, CA 90017-2417

Date Received: 08/10/10
Work Order No: 10-08-0760
Preparation: EPA 3005A Filt.
Method: EPA 6020

Project SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-08-0711-2	**Aqueous**	**ICP/MS 04**	**08/10/10**	**08/11/10**	**100810S03**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Selenium	86	89	59-125	3	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - PDS / PDSD

CH2M Hill		Date Received	08/10/10
1000 Wilshire Blvd.		Work Order No:	10-08-0760
21st Floor		Preparation:	EPA 3005A Filt.
Los Angeles, CA 90017-2417		Method:	EPA 6020

Project: SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS / PDSD Batch Number
10-08-0711-2	**Aqueous**	**ICP/MS 04**	**08/10/10**	**08/11/10**	**100810S03**

Parameter	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Selenium	83	81	75-125	2	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

CH2M Hill	Date Received: N/A
1000 Wilshire Blvd.	Work Order No: 10-08-0760
21st Floor	Preparation: EPA 3020A Total
Los Angeles, CA 90017-2417	Method: EPA 6020

Project: SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
096-06-003-2,924	**Aqueous**	**ICP/MS 04**	**08/10/10**	**08/11/10**	**100810L03**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Selenium	98	93	80-120	5	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-08-0760

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

DATE: 08/10/10

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)

P.O. NO.:

QUOTE NO.:

LAB USE ONLY: 08-0760

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/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	SAMPLING TIME	MAT-RIX	NO. OF CONT.	Selenium	Comments
1	EFF-08-10	Effluent	08/10/10	1155	WW	1	X	Temperature* = 75.4
								(Temp. as sampled*)

Relinquished by: (Signature)	Received by: (Signature) Darrigle CCL	Date: 8/10/10	Time: 12:44
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Revised: 08/06/10

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-08-0760

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: KMEP

DATE: 08/10/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 1.4 °C + 0.5 °C (CF) = 1.9 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only Initial: DL

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: DL

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: DL

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s** ☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na** ☐250PB ☑250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** DL

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** WSC

Preservative: h: HCL n: HNO_3 na$_2$: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** DL

August 31, 2010

Shawn P. Duffy
CH2M HILL
155 Grand Avenue, Suite 1000
Oakland, CA 94612

TEL: (530) 229-3303
FAX: (530) 339-3303

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

Workorder No.: N004550

RE: SFPP - Norwalk Site

Attention: Shawn P. Duffy

Enclosed are the results for sample(s) received on August 28, 2010 by Advanced Technology Laboratories - Las Vegas . 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

CLIENT: CH2M HILL
Project: SFPP - Norwalk Site
Lab Order: N004550

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 are analyzed within method holding time.

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

Advanced Technology Laboratories - Las Vegas

Date: *31-Aug-10*

CLIENT: CH2M HILL
Project: SFPP - Norwalk Site
Lab Order: N004550
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N004550-001A	EFF-08-10	Water	8/10/2010 11:55:00 AM	8/28/2010	

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

CLIENT: CH2M HILL
Lab Order: N004550
Project: SFPP - Norwalk Site
Lab ID: N004550-001

Client Sample ID: EFF-08-10
Collection Date: 8/10/2010 11:55:00 AM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS							
	EPA 3010A				**EPA 6020**		
RunID: **ICP4_100830B**	QC Batch: **35152**				PrepDate:	**8/29/2010**	Analyst: **JT**
Selenium	1.8	0.29	0.50		µg/L	1	8/30/2010
ICP-MS METALS BY DRC-TECHNOLOGY							
	EPA 3010A				**EPA 6020**		
RunID: **ICP4_100830C**	QC Batch: **35152**				PrepDate:	**8/29/2010**	Analyst: **JT**
Selenium	0.69	0.50	0.50		µg/L	1	8/30/2010

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 interferenc
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: CH2M HILL
Work Order: N004550
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_W

Sample ID: **N004547-004A-MS**	SampType: **MS**	TestCode: **6020_W**	Units: **µg/L**	Prep Date: **8/29/2010**	RunNo: **77636**
Client ID: **ZZZZZZ**	Batch ID: **35152**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/30/2010**	SeqNo: **1208390**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	13.401	0.50	12.50	1.108	98.4	75	125				

Sample ID: **N004547-004A-MSD**	SampType: **MSD**	TestCode: **6020_W**	Units: **µg/L**	Prep Date: **8/29/2010**	RunNo: **77636**
Client ID: **ZZZZZZ**	Batch ID: **35152**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/30/2010**	SeqNo: **1208391**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	13.099	0.50	12.50	1.108	95.9	75	125	13.40	2.28	20	

Sample ID: **MB-35152**	SampType: **MBLK**	TestCode: **6020_W**	Units: **µg/L**	Prep Date: **8/29/2010**	RunNo: **77636**
Client ID: **PBW**	Batch ID: **35152**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/30/2010**	SeqNo: **1208392**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	ND	0.50									

Sample ID: **LCS-35152**	SampType: **LCS**	TestCode: **6020_W**	Units: **µg/L**	Prep Date: **8/29/2010**	RunNo: **77636**
Client ID: **LCSW**	Batch ID: **35152**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/30/2010**	SeqNo: **1208393**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	11.806	0.50	12.50	0	94.4	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

CLIENT: CH2M HILL
Work Order: N004550
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_W_DRC

Sample ID: **N004547-004A-MS**	SampType: **MS**	TestCode: **6020_W_DRC**	Units: **µg/L**	Prep Date: **8/29/2010**	RunNo: **77638**
Client ID: **ZZZZZZ**	Batch ID: **35152**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/30/2010**	SeqNo: **1208404**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	16.871	0.50	12.50	4.796	96.6	75	125				

Sample ID: **N004547-004A-MSD**	SampType: **MSD**	TestCode: **6020_W_DRC**	Units: **µg/L**	Prep Date: **8/29/2010**	RunNo: **77638**
Client ID: **ZZZZZZ**	Batch ID: **35152**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/30/2010**	SeqNo: **1208405**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	17.041	0.50	12.50	4.796	98.0	75	125	16.87	1.00	20	

Sample ID: **MB-35152**	SampType: **MBLK**	TestCode: **6020_W_DRC**	Units: **µg/L**	Prep Date: **8/29/2010**	RunNo: **77638**
Client ID: **PBW**	Batch ID: **35152**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/30/2010**	SeqNo: **1208406**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	ND	0.50									

Sample ID: **LCS-35152**	SampType: **LCS**	TestCode: **6020_W_DRC**	Units: **µg/L**	Prep Date: **8/29/2010**	RunNo: **77638**
Client ID: **LCSW**	Batch ID: **35152**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/30/2010**	SeqNo: **1208407**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	12.106	0.50	12.50	0	96.9	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

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

DATE: 08/10/10

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)

P.O. NO.:

QUOTE NO.:

LAB USE ONLY: 08-0760

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/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	SAMPLING TIME	MATRIX	NO. OF CONT.	Selenium	Comments
1	EFF-08-10	Effluent	08/10/10	1155	WW	1	X	Temperature* = 75.4
								(Temp. as sampled*)

N0045501

Relinquished by: (Signature)	Received by: (Signature) Danielle C2L	Date: 8/10/10	Time: 12:44
Relinquished by: (Signature)	Received by: (Signature) FED EX	Date: 08/27/10	Time: 1730
Relinquished by: (Signature)	Received by: (Signature) MARLON CARTIN	Date: 8/28/10	Time: 1000

2.1 °C w/ ice

Revised: 08/06/10

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

DATE: 08/10/10

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)

P.O. NO.:

QUOTE NO.:

LAB USE ONLY: 08-0760

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/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	SAMPLING TIME	MATRIX	NO. OF CONT.	Selenium	Comments
1	EFF-08-10	Effluent	08/10/10	1155	WW	1	X	Temperature* = 75.4
								(Temp. as sampled*)

Relinquished by: (Signature)	Received by: (Signature) DANIELLE CZL	Date: 8/10/10	Time: 12:44
Relinquished by: (Signature)	Received by: (Signature) FEDEX	Date: 08/27/10	Time: 1730
Relinquished by: (Signature)	Received by: (Signature) MARLON CARTIN	Date: 8/28/10	Time: 1000

2.1°C w/ ICE

Revised: 08/06/10

Stephen Nowak

From: Daniel.Jablonski@CH2M.com
Sent: Friday, August 27, 2010 4:21 PM
To: Stephen Nowak
Cc: Vladimir.Carino@CH2M.com; Shawn.Duffy@CH2M.com; Mark.Wuttig@CH2M.com; marlon@atl-labs.com
Subject: Se samples collected August 3 and 10.
Attachments: 10-08-0760.pdf; 10-08-0165.pdf

Hi Steve,
As we discussed, please ship remaining selenium sample volume from sample dates 8/3 and 8/10 (see attached reports) to:

Marlon Cartin
Advanced Technology Laboratories
3151 W. Post Road
Las Vegas, NV 89118
Tel: (702) 307-2659

Overnight fed-ex for sat delivery or if it's too late, overnight ship on Monday for Tuesday delivery.
Use fed ex account number: 257-003-892
Make sure to write on the internal billing reference line: 407609.B1.01 and my name (Dan Jablonski).

Thanks,

Dan Jablonski, REA
Project Scientist
CH2M HILL
1000 Wilshire Boulevard
21st Floor
Los Angeles, CA 90017
213.228.8271 (office)
818.257.3630 (cell)
714.424.2135 (fax)
Daniel.Jablonski@ch2m.com

CONTACT SHAWN DUFFY @ CH2M HILL

From: Origin ID: APVA (714) 895-5494
Noel Cruise
CALSCIENCE ENVIRONMENTAL LAB
7440 LINCOLN WAY

GARDEN GROVE, CA 92841

J10201008090225

Ship Date: 27AUG10
ActWgt: 11.0 LB
CAD: 1533735/INET3060

Delivery Address Bar Code

SHIP TO: (702) 307-2659 BILL RECIPIENT (Third Party)
MARLON CARTIN
ADVANCED TECH LABS
3151 W POST RD

LAS VEGAS, NV 89118

Ref # 407609.B1.01/DAN JABLONSKI
Invoice #
PO #
Dept #

RELEASE#: 3785346

TRK# 0201 7989 9455 3622

SATURDAY ### A1
PRIORITY OVERNIGHT

89118
NV-US
LAS

W0 LASA

508G4/33D6/9A24

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic valueof the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Advanced Technology Laboratories - Las Vegas

Please review the checklist below. Any NO and/or NA 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 (562) 989-4045.

Sample Receipt Checklist

Client Name: **CH2M HILL-OAKLAND**

Date Time Received: **8/28/2010 10:04:23 AM**

Work Order Number: **N004550**

Received by: **MBC**

Cooler Temp (Deg C): 2.1

Checklist completed by: Signature 8/28/10 Date

Reviewed by: Initials 8/31/10 Date

Carrier name: FedEx

1. Shipping container/cooler in good condition?	Yes ✔	No	Not Present
2. Custody seals intact on shippping container/cooler?	Yes	No	Not Present ✔
3. Custody seals intact on sample bottles?	Yes	No	Not Present ✔
4. Chain of custody present?	Yes ✔	No	
5. Sampler's name present in COC?	Yes ✔	No	
6. Chain of custody signed when relinquished and received?	Yes ✔	No	
7. Chain of custody agrees with sample labels?	Yes ✔	No	
8. Samples in proper container/bottle?	Yes ✔	No	
9. Sample containers intact?	Yes ✔	No	
10. Sufficient sample volume for indicated test?	Yes ✔	No	
11. All samples received within holding time?	Yes ✔	No	
12. Container/Temp Blank temperature within acceptance limit?	Yes ✔	No	NA
13. Water - VOA vials have zero headspace?	Yes	No	NA ✔
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ✔	No	NA

Comments:

Calscience
Environmental
Laboratories, Inc.

August 18, 2010

Dan Jablonski
CH2M Hill
1000 Wilshire Blvd.
21st Floor
Los Angeles, CA 90017-2417

Subject: **Calscience Work Order No.: 10-08-1344**
Client Reference: SFPP - Norwalk Site

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 8/17/2010 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	08/17/10
1000 Wilshire Blvd.		Work Order No:	10-08-1344
21st Floor		Preparation:	EPA 5030B
Los Angeles, CA 90017-2417		Method:	EPA 8260B
		Units:	ug/L
Project: SFPP - Norwalk Site			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EFF-08-17	**10-08-1344-1-A**	**08/17/10 15:30**	**Aqueous**	**GC/MS OO**	**08/17/10**	**08/17/10 18:32**	**100817L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.28	1		Toluene	ND	1.0	0.33	1	
2-Butanone	ND	10	6.9	1		p/m-Xylene	ND	1.0	0.45	1	
1,1-Dichloroethane	ND	1.0	0.37	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
Ethylbenzene	ND	1.0	0.22	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	80-126		1,2-Dichloroethane-d4	104	80-131	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	100	80-120	

Method Blank	099-14-001-1,744	N/A	Aqueous	GC/MS OO	08/17/10	08/17/10 15:01	100817L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.28	1		Toluene	ND	1.0	0.33	1	
2-Butanone	ND	10	6.9	1		p/m-Xylene	ND	1.0	0.45	1	
1,1-Dichloroethane	ND	1.0	0.37	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
Ethylbenzene	ND	1.0	0.22	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	98	80-126		1,2-Dichloroethane-d4	97	80-131	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	100	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

CH2M Hill		Date Received:	08/17/10
1000 Wilshire Blvd.		Work Order No:	10-08-1344
21st Floor		Preparation:	EPA 5030B
Los Angeles, CA 90017-2417		Method:	EPA 8260B

Project SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-08-1012-4	**Aqueous**	**GC/MS OO**	**08/17/10**	**08/17/10**	**100817S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	104	105	72-120	1	0-20	
Carbon Tetrachloride	109	109	63-135	0	0-20	
Chlorobenzene	100	103	80-120	3	0-20	
1,2-Dibromoethane	100	109	80-120	9	0-20	
1,2-Dichlorobenzene	98	99	80-120	2	0-20	
1,2-Dichloroethane	105	110	10-150	4	0-20	
1,1-Dichloroethene	106	105	60-132	1	0-25	
Ethylbenzene	103	104	78-120	1	0-20	
Toluene	103	104	74-122	0	0-20	
Trichloroethene	89	91	69-120	2	0-20	
Vinyl Chloride	101	99	58-130	2	0-20	
Methyl-t-Butyl Ether (MTBE)	93	101	72-126	8	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

CH2M Hill
1000 Wilshire Blvd.
21st Floor
Los Angeles, CA 90017-2417

Date Received: N/A
Work Order No: 10-08-1344
Preparation: EPA 5030B
Method: EPA 8260B

Project: SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-1,744	**Aqueous**	**GC/MS OO**	**08/17/10**	**08/17/10**	**100817L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	104	103	80-120	73-127	1	0-20	
Carbon Tetrachloride	108	109	67-139	55-151	1	0-22	
Chlorobenzene	101	101	80-120	73-127	0	0-20	
1,2-Dibromoethane	109	107	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	100	101	79-120	72-127	1	0-20	
1,2-Dichloroethane	110	107	80-120	73-127	3	0-20	
1,1-Dichloroethene	104	103	71-125	62-134	1	0-25	
Ethylbenzene	102	103	80-123	73-130	1	0-20	
Toluene	103	102	80-120	73-127	0	0-20	
Trichloroethene	103	103	80-120	73-127	0	0-20	
Vinyl Chloride	100	97	68-140	56-152	3	0-23	
Methyl-t-Butyl Ether (MTBE)	102	100	75-123	67-131	1	0-25	
Tert-Butyl Alcohol (TBA)	98	101	72-126	63-135	3	0-20	
Diisopropyl Ether (DIPE)	102	100	75-129	66-138	2	0-22	
Ethyl-t-Butyl Ether (ETBE)	99	98	76-124	68-132	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	96	95	79-121	72-128	1	0-20	
Ethanol	106	113	53-143	38-158	7	0-25	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-08-1344

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Calscience Environmental Laboratories, Inc.

7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

DATE: 08/17/10

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)

P.O. NO.:

QUOTE NO.:

LAB USE ONLY: 08-1344

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/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	SAMPLING TIME	MAT-RIX	NO. OF CONT.	Oil & Grease (413.1)	TPH-g (C5-C14 Only) (8015M)	MtBE;BTEX;1,1-DCA;1,2-DCA;MEK(8260B)	Settleable Solids (160.5)	Total Suspended Solids (160.2)	Phenolics (420.1)	Hg,Cr(VI),Cu(1669,7199,6020)	Selenium on 24 HR TAT	Comments
	EFF-08-17	Effluent	8-17-10	1530	WW	3			X						Temperature* = _____
															Temperature* = _____
															(Temp. as sampled)*
															Monthly

Relinquished by: (Signature)	Received by: (Signature) Wbatch CEA	Date: 8/17/10	Time: 1640
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Revised: 08/06/10

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-08-1344

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: KINDER MORGAN

DATE: 08/17/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 1.7 °C + 0.5 °C (CF) = 2.2 °C ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only Initial: WB

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: WB

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: WSC

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOAh (3) ☐VOA**na₂** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na₂** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na**

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na₂** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** WSC

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** WB

Preservative: h: HCL n: HNO_3 **na₂**: $Na_2S_2O_3$ **na**: NaOH p: H_3PO_4 s: H_2SO_4 **znna**: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:**

September 01, 2010

Shawn P. Duffy
CH2M HILL
155 Grand Avenue, Suite 1000
Oakland, CA 94612

TEL: (530) 229-3303
FAX: (530) 339-3303

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

Workorder No.: N004546

RE: SFPP - Norwalk Site

Attention: Shawn P. Duffy

Enclosed are the results for sample(s) received on August 26, 2010 by Advanced Technology Laboratories - Las Vegas . 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

CLIENT: CH2M HILL
Project: SFPP - Norwalk Site
Lab Order: N004546

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 are analyzed within method holding time.

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

CLIENT:	CH2M HILL	**Client Sample ID:**	EFF-08-25
Lab Order:	N004546	**Collection Date:**	8/25/2010 1:00:00 PM
Project:	SFPP - Norwalk Site	**Matrix:**	WATER
Lab ID:	N004546-001		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS							
EPA 3010A / **EPA 6020**							
RunID: **ICP4_100827A** QC Batch: **35146** PrepDate: **8/26/2010** Analyst: **JT**							
Selenium	4.0	0.29	0.50		µg/L	1	8/27/2010
ICP-MS METALS BY DRC-TECHNOLOGY							
EPA 3010A / **EPA 6020**							
RunID: **ICP4_100827B** QC Batch: **35146** PrepDate: **8/26/2010** Analyst: **JT**							
Selenium	0.98	0.50	0.50		µg/L	1	8/27/2010

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 interferenc
	Results are wet unless otherwise specified	DO	Surrogate Diluted Out

CLIENT: CH2M HILL
Work Order: N004546
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_W

Sample ID: **MB-35146**	SampType: **MBLK**	TestCode: **6020_W**	Units: **µg/L**	Prep Date: **8/26/2010**	RunNo: **77611**
Client ID: **PBW**	Batch ID: **35146**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/27/2010**	SeqNo: **1207109**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	0.361	0.50									J

Sample ID: **LCS-35146**	SampType: **LCS**	TestCode: **6020_W**	Units: **µg/L**	Prep Date: **8/26/2010**	RunNo: **77611**
Client ID: **LCSW**	Batch ID: **35146**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/27/2010**	SeqNo: **1207110**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	12.475	0.50	12.50	0	99.8	85	115				

Sample ID: **N004546-001A-DUP-**	SampType: **DUP**	TestCode: **6020_W**	Units: **µg/L**	Prep Date:	RunNo: **77611**
Client ID: **ZZZZZZ**	Batch ID: **35146**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/27/2010**	SeqNo: **1207112**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	4.865	0.50						4.001	19.5	20	

Sample ID: **N004546-001A-MS**	SampType: **MS**	TestCode: **6020_W**	Units: **µg/L**	Prep Date: **8/26/2010**	RunNo: **77611**
Client ID: **ZZZZZZ**	Batch ID: **35146**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/27/2010**	SeqNo: **1207113**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	16.026	0.50	12.50	4.001	96.2	75	125				

Sample ID: **N004546-001A-MSD**	SampType: **MSD**	TestCode: **6020_W**	Units: **µg/L**	Prep Date: **8/26/2010**	RunNo: **77611**
Client ID: **ZZZZZZ**	Batch ID: **35146**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/27/2010**	SeqNo: **1207114**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	15.960	0.50	12.50	4.001	95.7	75	125	16.03	0.414	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

CLIENT: CH2M HILL
Work Order: N004546
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_W_DRC

Sample ID: **MB-35146**	SampType: **MBLK**	TestCode: **6020_W_DRC**	Units: **µg/L**	Prep Date: **8/26/2010**	RunNo: **77614**
Client ID: **PBW**	Batch ID: **35146**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/27/2010**	SeqNo: **1207226**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	ND	0.50									

Sample ID: **LCS-35146**	SampType: **LCS**	TestCode: **6020_W_DRC**	Units: **µg/L**	Prep Date: **8/26/2010**	RunNo: **77614**
Client ID: **LCSW**	Batch ID: **35146**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/27/2010**	SeqNo: **1207227**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	12.428	0.50	12.50	0	99.4	85	115				

Sample ID: **N004546-001A-DUP_**	SampType: **DUP**	TestCode: **6020_W_DRC**	Units: **µg/L**	Prep Date:	RunNo: **77614**
Client ID: **ZZZZZZ**	Batch ID: **35146**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/27/2010**	SeqNo: **1207229**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	0.845	0.50						0.9812	14.9	0	

Sample ID: **N004546-001A-MS**	SampType: **MS**	TestCode: **6020_W_DRC**	Units: **µg/L**	Prep Date: **8/26/2010**	RunNo: **77614**
Client ID: **ZZZZZZ**	Batch ID: **35146**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/27/2010**	SeqNo: **1207230**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	12.366	0.50	12.50	0.9812	91.1	75	125				

Sample ID: **N004546-001A-MSD**	SampType: **MSD**	TestCode: **6020_W_DRC**	Units: **µg/L**	Prep Date: **8/26/2010**	RunNo: **77614**
Client ID: **ZZZZZZ**	Batch ID: **35146**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **8/27/2010**	SeqNo: **1207231**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	12.435	0.50	12.50	0.9812	91.6	75	125	12.37	0.554	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

CLIENT: CH2M HILL
Work Order: N004546
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_W_DRC

Sample ID: **N004546-001A-PS X** SampType: **MS** TestCode: **6020_W_DRC** Units: **µg/L** Prep Date: RunNo: **77614**
Client ID: **ZZZZZZ** Batch ID: **35146** TestNo: **EPA 6020** **EPA 3010A** Analysis Date: **8/27/2010** SeqNo: **1207232**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	12.960	0.50	12.50	0	104	75	125				

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 Road, Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691*

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: 08-25-10

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)

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)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS
Report to D. Jablonski/CH2M HILL (djablon1@ch2m.com)
Report to S. Duffy/CH2M HILL (Sduffy@ch2m.com)
"J" flags required/Use lowest possible detection limit - all methods.

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MAT-RIX	NO. OF CONT.	Selenium on 24 HR TAT
	EFF-08-25	Effluent	8-25-10	1300	W	1	X

Comments:
Temperature* = 1.2 °C
(Temp. as sampled)*
Attention: Marlon Cartin
Per discussion with ATL
No charge for this Analysis

Relinquished by: (Signature)	Received by: (Signature)	Date: 8/25/10	Time: 9:30 AM
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Revised: 08/19/10

Advanced Technology Laboratories - Las Vegas

WORK ORDER Summary

26-Aug-10

WorkOrder: N004546

Client ID: CH2M HILL-OAKLAND

Project: SFPP - Norwalk Site **QC Level:** RTNE **Date Received:** 8/26/2010

Comments: Report to D. Jablonski/CH2M HILL (djablon1@ch2m.com) Report to S.Duffy/CH2M HILL (sduffy@ch2m.com) "J" Flag required / Use lowest possible detec

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N004546-001A	EFF-08-25	8/25/2010 1:00:00 PM	8/26/2010	Water	EPA 3010A	AQPREP TOTAL METALS: ICP, FLAA	☐	☐	☐	WW
			8/26/2010		EPA 3010A	AQPREP TOTAL METALS: ICP, FLAA	☐	☐	☐	WW
			8/26/2010		EPA 6020	ICP-MS METALS	☐	☐	☐	WW
			8/26/2010		EPA 6020	ICP-MS METALS BY DRC-TECHNOLOGY	☐	☐	☐	WW
			8/26/2010		EPA 6020	ICP-MS METALS by Hydride Generation	☐	☐	☐	WW
N004546-002A	Folder	8/26/2010 9:38:55 AM	8/26/2010		Folder	Folder	☐	☐	☐	LAB

Advanced Technology Laboratories - Las Vegas

Please review the checklist below. Any NO and/or NA 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 (562) 989-4045.

Sample Receipt Checklist

Client Name: **CH2M HILL-OAKLAND**

Date Time Received: **8/26/2010 9:30:00 AM**

Work Order Number: **N004546**

Received by: **GG**

Cooler Temp (Deg C): 1.2

Checklist completed by: _____ Signature _____ Date

Reviewed by: _____ Initials _____ Date

Carrier name: FedEx

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2. Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4. Chain of custody present?	Yes ☑	No ☐	
5. Sampler's name present in COC?	Yes ☑	No ☐	
6. Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
7. Chain of custody agrees with sample labels?	Yes ☑	No ☐	
8. Samples in proper container/bottle?	Yes ☑	No ☐	
9. Sample containers intact?	Yes ☑	No ☐	
10. Sufficient sample volume for indicated test?	Yes ☑	No ☐	
11. All samples received within holding time?	Yes ☑	No ☐	
12. Container/Temp Blank temperature within acceptance limit?	Yes ☑	No ☐	NA ☐
13. Water - VOA vials have zero headspace?	Yes ☐	No ☐	NA ☑
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ☑	No ☐	NA ☐

Comments:

Calscience Environmental Laboratories, Inc.

Supplemental Report 1

September 17, 2010

The original report has been revised/corrected.

Dan Jablonski
CH2M Hill
1000 Wilshire Blvd.
21st Floor
Los Angeles, CA 90017-2417

Subject: **Calscience Work Order No.: 10-09-0529**
Client Reference: SFPP - Norwalk Site

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 09/08/2010 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	09/08/10
1000 Wilshire Blvd.		Work Order No:	10-09-0529
21st Floor		Preparation:	EPA 5030B
Los Angeles, CA 90017-2417		Method:	EPA 8015B (M)

Project: SFPP - Norwalk Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EFF-0908	**10-09-0529-1-D**	**09/08/10 12:35**	**Aqueous**	**GC 29**	**09/09/10**	**09/09/10 18:51**	**100909B01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	100	48	1		ug/L
Surrogates:	REC (%)	Control Limits	MDL		Qual	
1,4-Bromofluorobenzene	82	38-134				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-247-4,482**	**N/A**	**Aqueous**	**GC 29**	**09/09/10**	**09/09/10 14:10**	**100909B01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	100	48	1		ug/L
Surrogates:	REC (%)	Control Limits	MDL		Qual	
1,4-Bromofluorobenzene	80	38-134				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	09/08/10
1000 Wilshire Blvd.		Work Order No:	10-09-0529
21st Floor		Preparation:	EPA 5030C
Los Angeles, CA 90017-2417		Method:	EPA 8260C
		Units:	ug/L
Project: SFPP - Norwalk Site			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EFF-0908	**10-09-0529-1-B**	**09/08/10 12:35**	**Aqueous**	**GC/MS XX**	**09/17/10**	**09/17/10 12:34**	**100917L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.28	1		Toluene	ND	1.0	0.33	1	
2-Butanone	ND	10	6.9	1		p/m-Xylene	ND	1.0	0.45	1	
1,1-Dichloroethane	ND	1.0	0.37	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
Ethylbenzene	ND	1.0	0.22	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	80-126		1,2-Dichloroethane-d4	90	80-131	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	86	80-120	

Method Blank	099-14-106-82	N/A	Aqueous	GC/MS XX	09/17/10	09/17/10 12:06	100917L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.28	1		Toluene	ND	1.0	0.33	1	
2-Butanone	ND	10	6.9	1		p/m-Xylene	ND	1.0	0.45	1	
1,1-Dichloroethane	ND	1.0	0.37	1		o-Xylene	ND	1.0	0.24	1	
1,2-Dichloroethane	ND	0.50	0.31	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
Ethylbenzene	ND	1.0	0.22	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	80-126		1,2-Dichloroethane-d4	90	80-131	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	87	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	09/08/10
1000 Wilshire Blvd.		Work Order No:	10-09-0529
21st Floor		Preparation:	EPA 3020A Total
Los Angeles, CA 90017-2417		Method:	EPA 6020

Project: SFPP - Norwalk Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EFF-0908	**10-09-0529-1-G**	**09/08/10 12:35**	**Aqueous**	**ICP/MS 04**	**09/08/10**	**09/09/10 15:11**	**100908L04**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Copper	0.00110	0.00100	0.000105	1		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**096-06-003-2,969**	**N/A**	**Aqueous**	**ICP/MS 04**	**09/08/10**	**09/10/10 00:54**	**100908L04**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Copper	ND	0.00100	0.000105	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	09/08/10
1000 Wilshire Blvd.		Work Order No:	10-09-0529
21st Floor		Preparation:	EPA 7470A Total
Los Angeles, CA 90017-2417		Method:	EPA 7470A

Project: SFPP - Norwalk Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EFF-0908	**10-09-0529-1-G**	**09/08/10 12:35**	**Aqueous**	**Mercury**	**09/10/10**	**09/10/10 12:30**	**100910L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Mercury	ND	0.0000500	0.0000348	1		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-510-80**	**N/A**	**Aqueous**	**Mercury**	**09/10/10**	**09/10/10 12:14**	**100910L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Mercury	ND	0.0000500	0.0000348	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
1000 Wilshire Blvd.
21st Floor
Los Angeles, CA 90017-2417

Date Received: 09/08/10
Work Order No: 10-09-0529

Project: SFPP - Norwalk Site

Client Sample Number	Lab Sample Number	Date Collected	Matrix
EFF-0908	**10-09-0529-1**	**09/08/10**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Phenolics, Total (24)	ND	0.10	0.046	1		mg/L	09/14/10	09/14/10	EPA 420.1
Chromium, Hexavalent (24)	ND	1.0	0.041	1		ug/L	N/A	09/08/10	EPA 7199
Solids, Total Suspended (24)	2.1	1.0	0.95	1		mg/L	09/10/10	09/10/10	SM 2540 D
Solids, Settleable (24)	ND	0.10	0.10	1		mL/L/hr	09/08/10	09/08/10	SM 2540 F
Oil and Grease (24)	ND	1.0	0.88	1		mg/L	09/15/10	09/15/10	SM 5520 B

Method Blank	**N/A**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Phenolics, Total (24)	ND	0.10	0.046	1		mg/L	09/14/10	09/14/10	EPA 420.1
Chromium, Hexavalent (24)	ND	1.0	0.041	1		ug/L	N/A	09/08/10	EPA 7199
Solids, Total Suspended (24)	ND	1.0	0.95	1		mg/L	09/10/10	09/10/10	SM 2540 D
Oil and Grease (24)	ND	1.0	0.88	1		mg/L	09/15/10	09/15/10	SM 5520 B

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

CH2M Hill		Date Received:	09/08/10
1000 Wilshire Blvd.		Work Order No:	10-09-0529
21st Floor		Preparation:	EPA 3020A Total
Los Angeles, CA 90017-2417		Method:	EPA 6020

Project SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-09-0440-1	**Aqueous**	**ICP/MS 04**	**09/08/10**	**09/10/10**	**100908S04**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Copper	91	93	72-108	2	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - PDS / PDSD

ACCREDITED IN ACCORDANCE WITH nelac

CH2M Hill		Date Received	09/08/10
1000 Wilshire Blvd.		Work Order No:	10-09-0529
21st Floor		Preparation:	EPA 3020A Total
Los Angeles, CA 90017-2417		Method:	EPA 6020

Project: SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS / PDSD Batch Number
10-09-0440-1	**Aqueous**	**ICP/MS 04**	**09/08/10**	**09/10/10**	**100908S04**

Parameter	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Copper	88	89	75-125	1	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

CH2M Hill
1000 Wilshire Blvd.
21st Floor
Los Angeles, CA 90017-2417

Date Received: 09/08/10
Work Order No: 10-09-0529
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
EFF-0908	**Aqueous**	**GC 29**	**09/09/10**	**09/09/10**	**100909S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	106	107	68-122	0	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

CH2M Hill
1000 Wilshire Blvd.
21st Floor
Los Angeles, CA 90017-2417

Date Received: 09/08/10
Work Order No: 10-09-0529
Preparation: EPA 7470A Total
Method: EPA 7470A

Project SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-09-0622-1	**Aqueous**	**Mercury**	**09/10/10**	**09/10/10**	**100910S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	89	88	57-141	1	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

CH2M Hill		Date Received:	09/08/10
1000 Wilshire Blvd.		Work Order No:	10-09-0529
21st Floor		Preparation:	EPA 5030C
Los Angeles, CA 90017-2417		Method:	EPA 8260C

Project SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-09-0723-4	**Aqueous**	**GC/MS XX**	**09/17/10**	**09/17/10**	**100917S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	101	100	80-120	1	0-20	
Carbon Tetrachloride	97	95	55-151	2	0-20	
Chlorobenzene	98	97	80-120	1	0-20	
1,2-Dibromoethane	94	91	77-125	4	0-20	
1,2-Dichlorobenzene	94	94	78-120	0	0-20	
1,2-Dichloroethane	90	88	80-120	3	0-20	
1,1-Dichloroethene	101	96	69-129	5	0-20	
Ethylbenzene	96	93	73-127	2	0-20	
Toluene	99	98	80-120	1	0-20	
Trichloroethene	100	98	67-133	1	0-20	
Vinyl Chloride	90	88	67-133	2	0-20	
Methyl-t-Butyl Ether (MTBE)	95	92	65-131	4	0-22	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

CH2M Hill
1000 Wilshire Blvd.
21st Floor
Los Angeles, CA 90017-2417

Date Received: N/A
Work Order No: 10-09-0529

Project: SFPP - Norwalk Site

Matrix: Aqueous or Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	MS% REC	MSD % REC	%REC CL	RPD	RPD CL	Qualifiers
Chromium, Hexavalent	EPA 7199	EFF-0908	09/08/10	N/A	105	103	70-130	2	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

CH2M Hill
1000 Wilshire Blvd.
21st Floor
Los Angeles, CA 90017-2417

Date Received: N/A
Work Order No: 10-09-0529

Project: SFPP - Norwalk Site

Matrix: Aqueous or Solid

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Solids, Settleable	SM 2540 F	10-09-0478-1	09/08/10	ND	ND	NA	0-25	
Solids, Total Suspended	SM 2540 D	10-09-0850-1	09/10/10	ND	ND	NA	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

CH2M Hill		Date Received:	N/A
1000 Wilshire Blvd.		Work Order No:	10-09-0529
21st Floor		Preparation:	EPA 3020A Total
Los Angeles, CA 90017-2417		Method:	EPA 6020

Project: SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
096-06-003-2,969	**Aqueous**	**ICP/MS 04**	**09/08/10**	**09/10/10**	**100908L04**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Copper	106	106	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

CH2M Hill
1000 Wilshire Blvd.
21st Floor
Los Angeles, CA 90017-2417

Date Received: N/A
Work Order No: 10-09-0529
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-247-4,482	**Aqueous**	**GC 29**	**09/09/10**	**09/09/10**	**100909B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	108	112	78-120	3	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

CH2M Hill		Date Received:	N/A
1000 Wilshire Blvd.		Work Order No:	10-09-0529
21st Floor		Preparation:	EPA 7470A Total
Los Angeles, CA 90017-2417		Method:	EPA 7470A

Project: SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-510-80	**Aqueous**	**Mercury**	**09/10/10**	**09/10/10**	**100910L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	98	98	85-121	0	0-4	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

CH2M Hill
1000 Wilshire Blvd.
21st Floor
Los Angeles, CA 90017-2417

Date Received: N/A
Work Order No: 10-09-0529
Preparation: EPA 5030C
Method: EPA 8260C

Project: SFPP - Norwalk Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-106-82	**Aqueous**	**GC/MS XX**	**09/17/10**	**09/17/10**	**100917L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	95	93	80-120	73-127	2	0-20	
Carbon Tetrachloride	92	88	67-139	55-151	3	0-22	
Chlorobenzene	90	88	80-120	73-127	3	0-20	
1,2-Dibromoethane	90	88	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	86	83	79-120	72-127	4	0-20	
1,2-Dichloroethane	87	84	80-120	73-127	4	0-20	
1,1-Dichloroethene	90	91	71-125	62-134	1	0-25	
Ethylbenzene	88	86	80-123	73-130	3	0-20	
Toluene	91	91	80-120	73-127	0	0-20	
Trichloroethene	94	93	80-120	73-127	1	0-20	
Vinyl Chloride	86	88	68-140	56-152	2	0-23	
Methyl-t-Butyl Ether (MTBE)	91	92	75-123	67-131	0	0-25	

Total number of LCS compounds : 12
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

CH2M Hill
1000 Wilshire Blvd.
21st Floor
Los Angeles, CA 90017-2417

Date Received: N/A
Work Order No: 10-09-0529

Project: SFPP - Norwalk Site

Matrix: Aqueous or Solid

Parameter	Method	Quality Control Sample ID	Date Extracted	Date Analyzed	LCS % REC	LCSD % REC	%REC CL	RPD	RPD CL	Qual
Chromium, Hexavalent	EPA 7199	099-05-123-2,692	N/A	09/08/10	104	105	80-120	1	0-20	
Phenolics, Total	EPA 420.1	099-05-085-2,268	09/14/10	09/14/10	96	96	80-120	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-09-0529

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

DATE: 09/08/10

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)

P.O. NO.:
QUOTE NO.:
LAB USE ONLY: 09-0529

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/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	SAMPLING TIME	MAT-RIX	NO. OF CONT.	Oil & Grease (413.1)	TPH-g (C5-C14 Only) (8015M)	MtBE;BTEX;1,1-DCA;1,2-DCA;MEK(8260B)	Settleable Solids (160.5)	Total Suspended Solids (160.2)	Phenolics (420.1)	Hg,Cr(VI),Cu(1669,7199,6020)	Comments
1	EFF- 0908	Effluent	9/8/10	1235	WW	3	X	X	X	X	X	X	X	Temperature* =
														Temperature* =
														(Temp. as sampled*)
														Monthly

Relinquished by: (Signature)	Received by: (Signature) Danyle CCL	Date: 9/8/10	Time: 14:32
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Revised: 08/06/10

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-09-0529

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: KMEP DATE: 09/08/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.2 °C + 0.5 °C (CF) = 2.7 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only Initial: b.L

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: b.L

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: b.L

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOA**h** (6) ☐VOA**na₂** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na₂** ☑1AGB**s**

☐500AGB ☐500AGJ ☑500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☑1PB (7) ☑500PB ☐500PB**na**

☐250PB ☑250PB**n** (7) ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na₂** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** b.L

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** WSC

Preservative: h: HCL n: HNO_3 na₂: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** WSC

September 10, 2010

Shawn P. Duffy/Daniel Jablonski
CH2M HILL
155 Grand Avenue, Suite 1000
Oakland, CA 94612

TEL: (510) 587-7629
FAX: (510) 622-9129

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

Workorder No.: N004591

RE: SFPP - Norwalk Site

Attention: Shawn P. Duffy/Daniel Jablonski

Enclosed are the results for sample(s) received on September 09, 2010 by Advanced Technology Laboratories - Las Vegas . 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

CLIENT: CH2M HILL
Project: SFPP - Norwalk Site
Lab Order: N004591

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 are analyzed within method holding time.

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

Advanced Technology Laboratories - Las Vegas

Date: *10-Sep-10*

CLIENT: CH2M HILL
Project: SFPP - Norwalk Site
Lab Order: N004591
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N004591-001A	EFF-0908	Water	9/8/2010 12:35:00 PM	9/9/2010	

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

CLIENT:	CH2M HILL	**Client Sample ID:**	EFF-0908
Lab Order:	N004591	**Collection Date:**	9/8/2010 12:35:00 PM
Project:	SFPP - Norwalk Site	**Matrix:**	WATER
Lab ID:	N004591-001		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
ICP-MS METALS							
	EPA 3010A				**EPA 6020**		
RunID: **ICP4_100910A**	QC Batch: **35206**				PrepDate:	**9/9/2010**	Analyst: **JT**
Selenium	2.6	0.29	0.50		µg/L	1	9/10/2010
ICP-MS METALS BY DRC-TECHNOLOGY							
	EPA 3010A				**EPA 6020**		
RunID: **ICP4_100910B**	QC Batch: **35206**				PrepDate:	**9/9/2010**	Analyst: **JT**
Selenium	0.76	0.50	0.50		µg/L	1	9/10/2010

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	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: N004591
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_W

Sample ID: **MB-35206**	SampType: **MBLK**	TestCode: **6020_W**	Units: **µg/L**	Prep Date: **9/9/2010**	RunNo: **77710**
Client ID: **PBW**	Batch ID: **35206**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **9/10/2010**	SeqNo: **1209450**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	ND	0.50									

Sample ID: **LCS-35206**	SampType: **LCS**	TestCode: **6020_W**	Units: **µg/L**	Prep Date: **9/9/2010**	RunNo: **77710**
Client ID: **LCSW**	Batch ID: **35206**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **9/10/2010**	SeqNo: **1209451**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	11.849	0.50	12.50	0	94.8	85	115				

Sample ID: **N004591-001A-DT 5**	SampType: **DUP**	TestCode: **6020_W**	Units: **µg/L**	Prep Date:	RunNo: **77710**
Client ID: **ZZZZZZ**	Batch ID: **35206**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **9/10/2010**	SeqNo: **1209453**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	3.981	2.5						2.620	41.2	20	R

Sample ID: **N004591-001A-MS**	SampType: **MS**	TestCode: **6020_W**	Units: **µg/L**	Prep Date: **9/9/2010**	RunNo: **77710**
Client ID: **ZZZZZZ**	Batch ID: **35206**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **9/10/2010**	SeqNo: **1209454**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	17.089	0.50	12.50	2.620	116	75	125				

Sample ID: **N004591-001A-MSD**	SampType: **MSD**	TestCode: **6020_W**	Units: **µg/L**	Prep Date: **9/9/2010**	RunNo: **77710**
Client ID: **ZZZZZZ**	Batch ID: **35206**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **9/10/2010**	SeqNo: **1209455**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	17.839	0.50	12.50	2.620	122	75	125	17.09	4.29	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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: N004591
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_W_DRC

Sample ID: **MB-35206**	SampType: **MBLK**	TestCode: **6020_W_DRC**	Units: **µg/L**	Prep Date: **9/9/2010**	RunNo: **77714**
Client ID: **PBW**	Batch ID: **35206**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **9/10/2010**	SeqNo: **1209482**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	ND	0.50									

Sample ID: **LCS-35206**	SampType: **LCS**	TestCode: **6020_W_DRC**	Units: **µg/L**	Prep Date: **9/9/2010**	RunNo: **77714**
Client ID: **LCSW**	Batch ID: **35206**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **9/10/2010**	SeqNo: **1209483**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	12.226	0.50	12.50	0	97.8	85	115				

Sample ID: **N004591-001A-MS**	SampType: **MS**	TestCode: **6020_W_DRC**	Units: **µg/L**	Prep Date: **9/9/2010**	RunNo: **77714**
Client ID: **ZZZZZZ**	Batch ID: **35206**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **9/10/2010**	SeqNo: **1209486**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	11.748	0.50	12.50	0.7650	87.9	75	125				

Sample ID: **N004591-001A-MSD**	SampType: **MSD**	TestCode: **6020_W_DRC**	Units: **µg/L**	Prep Date: **9/9/2010**	RunNo: **77714**
Client ID: **ZZZZZZ**	Batch ID: **35206**	TestNo: **EPA 6020**	**EPA 3010A**	Analysis Date: **9/10/2010**	SeqNo: **1209487**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	12.588	0.50	12.50	0.7650	94.6	75	125	11.75	6.90	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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
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: 09/08/10

PAGE: 1 OF 1

LABORATORY CLIENT: **Kinder Morgan Energy Partners, Attn: Steve Defibaugh**			CLIENT PROJECT NAME / NUMBER: **SFPP - Norwalk Site**
ADDRESS: **1100 Town & Country Road**			PROJECT CONTACT: **James Dye**
CITY: **Orange, CA 92868**			SAMPLER(S): (SIGNATURE)
TEL: **714-560-4802**	FAX: **714-560-4601**	E-MAIL: james_dye@kindermorgan.com	

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): ☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS:

Report to D. Jablonski/CH2M HILL (djablon1@ch2m.com)
Report to S. Duffy/CH2M HILL (Sduffy@ch2m.com)
"J" flags required/Use lowest possible detection limit - all methods.

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Selenium on 24 HR TAT
	EFF-0908	Effluent	9/8/10	1235	W	1	X

Comments:

Temperature* = 4.8 °C

(Temp. as sampled)*

Attention: Marlon Cartin

Per discussion with ATL

No charge for this Analysis

Relinquished by: (Signature) 9/8/10 1300	Received by: (Signature) 9/9/10 9:45	Date: 9/9/10	Time: 9:45
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Revised: 08/19/10

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: 09/08/10

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)

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)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
Report to D. Jablonski/CH2M HILL (djablon1@ch2m.com)
Report to S. Duffy/CH2M HILL (Sduffy@ch2m.com)
"J" flags required/Use lowest possible detection limit - all methods.

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Selenium on 24 HR TAT	Comments
	EFF-0908	Effluent	9/8/10	1235	W	1	X	Temperature* = 4.8 °C
								(Temp. as sampled*)
								Attention: Marlon Cartin
								Per discussion with ATL
								No charge for this Analysis

N65459 1

Relinquished by: (Signature) 9/8/10 1300	Received by: (Signature) 9/9/10 9:45	Date: 9/9/10	Time: 9:45
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Revised: 08/19/10

Advanced Technology Laboratories - Las Vegas

Please review the checklist below. Any NO and/or NA 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 (562) 989-4045.

Sample Receipt Checklist

Client Name: **CH2M HILL-OAKLAND**

Date Time Received: **9/9/2010 9:56:22 AM**

Work Order Number: **N004591**

Received by: **GG**

Cooler Temp (Deg C): 4.8

Checklist completed by: Signature 9/9/10 Date

Reviewed by: NS Initials 9/9/10 Date

Carrier name: FedEx

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2. Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4. Chain of custody present?	Yes ☑	No ☐	
5. Sampler's name present in COC?	Yes ☑	No ☐	
6. Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
7. Chain of custody agrees with sample labels?	Yes ☑	No ☐	
8. Samples in proper container/bottle?	Yes ☑	No ☐	
9. Sample containers intact?	Yes ☑	No ☐	
10. Sufficient sample volume for indicated test?	Yes ☑	No ☐	
11. All samples received within holding time?	Yes ☑	No ☐	
12. Container/Temp Blank temperature within acceptance limit?	Yes ☑	No ☐	NA ☐
13. Water - VOA vials have zero headspace?	Yes ☐	No ☐	NA ☑
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ☑	No ☐	NA ☐

Comments:

fedex.com 1.800.GoFedEx 1.800.463.3339

FedEx. US Airbill
Express

FedEx Tracking Number 8737 7750 9774

0200 Form ID No.

FedEx Retrieval Copy

1 From

Date 09/08/16 Sender's FedEx Account Number

Sender's Name Pat Lopa Phone 909 231-0182

Company KMEP

Address 2000 E. Sepulveda Blvd. Dept./Floor/Suite/Room

City Carson State Ca. ZIP 90810

2 Your Internal Billing Reference

3 To

Recipient's Name Receiving Phone 702 307-7659

Company ATL

Address 3151 W. Post Rd. Dept./Floor/Suite/Room
We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address
Use this line for the HOLD location address or for continuation of your shipping address.

City LAS VEGAS State NV ZIP 89118

HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight. 01 ☐

HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations. 31 ☐

8737 7750 9774

4a Express Package Service * To most locations. *Packages up to 150 lbs.*

01 ☒ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

05 ☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

06 ☐ FedEx First Overnight — Earliest next business morning delivery to select locations.*

03 ☐ FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

20 ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

4b Express Freight Service ** To most locations. *Packages over 150 lbs.*

70 ☐ FedEx 1Day Freight — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected. FedEx 1Day Freight Booking No.

80 ☐ FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

83 ☐ FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

06 ☐ FedEx Envelope* 02 ☐ FedEx Pak* Includes FedEx Small Pak and FedEx Large Pak. 03 ☐ FedEx Box 04 ☐ FedEx Tube 01 ☒ Other

6 Special Handling and Delivery Signature Options

03 ☐ **SATURDAY DELIVERY**

☒ No Signature Required — Package may be left without obtaining a signature for delivery.

10 ☐ Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*

34 ☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods? One box must be checked.

☒ No 04 ☐ Yes As per attached Shipper's Declaration ☐ Yes Shipper's Declaration not required. 06 ☐ Dry Ice Dry ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box. ☐ Cargo Aircraft Only

7 Payment *Bill to:*

1 ☐ Sender Acct. No. in Section 1 will be billed. 2 ☒ Recipient 3 ☐ Third Party 4 ☐ Credit Card 5 ☐ Cash/Check

Enter FedEx Acct. No. or Credit Card No. below. Obtain recip. Acct. No. ☐

[redacted]

Total Packages 1 Total Weight 9 lbs. Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

606

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fedex.com 1.800.GoFedEx 1.800.463.3339

Advanced Technology Laboratories - Las Vegas

WORK ORDER Summary

09-Sep-10

WorkOrder: N004591

Client ID: CH2M HILL-OAKLAND

Project: SFPP - Norwalk Site **QC Level:** RTNE **Date Received:** 9/9/2010

Comments: Report to D. Jablonski/CH2M HILL (djablon1@ch2m.com) Report to S.Duffy/CH2M HILL (sduffy@ch2m.com) "J" Flag required / Use lowest possible detec

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N004591-001A	EFF-0908	9/8/2010 12:35:00 PM	9/10/2010	Water	EPA 3010A	AQPREP TOTAL METALS: ICP, FLAA	☐	☐	☐	WW
			9/10/2010		EPA 6020	ICP-MS METALS	☐	☐	☐	WW
			9/10/2010		EPA 6020	ICP-MS METALS BY DRC-TECHNOLOGY	☐	☐	☐	WW
N004591-002A	Folder	9/9/2010 9:57:29 AM	9/10/2010		Folder	Folder	☐	☐	☐	LAB

Appendix B
Laboratory Analytical Reports and Chain-of-Custody Documents for Selenium Confirmation Monitoring Event

APPLIED SPECIATION
AND CONSULTING, LLC

18804 Northcreek Parkway Bothell, WA, 98011
Tel: (425) 483-3300 Fax: (425) 483-9818
www.appliedspeciation.com

July 28, 2010

Stephen Nowak
Calscience Environmental Laboratories
7440 Lincoln Way
Garden Grove, CA 92841
(714) 895-5494

Project Name: Selenium Investigation

Dear Mr. Nowak,

Attached is the report associated with nine (9) aqueous samples submitted for total (unfiltered) selenium analysis on July 21, 2010. The samples were received on July 23, 2010 in a sealed cooler at 0.2°C. Total selenium analysis was performed via inductively coupled plasma dynamic reaction cell mass spectrometry (ICP-DRC-MS). Any issues associated with the analyses are addressed in the following report.

If you have any questions, please feel free to contact me at your convenience.

Sincerely,

Russell Gerads
Vice President
Applied Speciation and Consulting, LLC

Applied Speciation and Consulting, LLC

Report prepared for:

Stephen Nowak
Calscience Environmental Laboratories
7440 Lincoln Way
Garden Grove, CA 92841

July 28, 2010

1. Sample Reception

Nine (9) aqueous samples in 125mL HDPE bottles (not provided by Applied Speciation and Consulting) were submitted for total (unfiltered) selenium analysis on July 21, 2010. The samples were received at Applied Speciation and Consulting (ASC) in acceptable condition on July 23, 2010 in a sealed cooler at 0.2°C.

The samples were received in a laminar flow clean hood void of trace metals contamination and ultra-violet radiation. Upon reception, all samples were designated discrete sample identifiers and were placed in a secure polyethylene container, known to be free from trace metals contamination, until all preparation and analysis could be performed.

2. Sample Preparation

All sample preparation is performed in laminar flow clean hoods known to be free from trace metals contamination. All applied water for dilutions and sample preservatives are monitored for contamination to account for any biases associated with the sample results.

Total (Unfiltered) Selenium Quantitation by ICP-DRC-MS (EPA Method 6020) All preservation and filtration procedures were applied prior to reception at ASC. All samples were digested on a hotblock apparatus with HNO_3 and HCl, in accordance with the digestion procedure specified in EPA Method 3005 (required digestion for EPA Method 6020). All resulting sample digests were analyzed for selenium via inductively coupled plasma dynamic reaction cell mass spectrometry (ICP-DRC-MS).

3. Sample Analysis

All sample analysis is preceded by a minimum of a five-point calibration curve spanning the entire concentration range of interest. Calibration curves are performed at the beginning of each analytical day. All calibration curves, associated with each species of interest, are standardized by linear regression resulting in a response factor. All sample results are **instrument blank corrected** to account for any operational biases associated with the analytical platform.

Prior to sample analysis, all calibration curves are verified using second source standards which are identified as initial calibration verification standards (ICV).

Ongoing instrument performance is identified by the analysis of continuing calibration verification standards (CCV) and continuing calibration blanks (CCB) at a minimal interval of every ten analytical runs.

Total (Unfiltered) Selenium Quantitation by ICP-DRC-MS (EPA Method 6020) The samples for total selenium quantitation were analyzed via inductively coupled plasma dynamic reaction cell mass spectrometry (ICP-DRC-MS) on July 28, 2010. Aliquots of each sample or sample digest are introduced into a radio frequency (RF) plasma where energy-transfer processes cause desolvation, atomization, and ionization. The ions are extracted from the plasma through a differentially-pumped vacuum interface and travel through a pressurized chamber (DRC) containing a specific reactive gas which preferentially reacts with interfering ions of the same target mass to charge ratios (m/z). A solid-state detector detects ions transmitted through the mass analyzer, on the basis of their mass-to-charge ratio (m/z), and the resulting current is processed by a data handling system.

4. Analytical Issues

The overall analyses went very well and no analytical issues were encountered. All quality control parameters associated with these samples were within acceptance limits.

If you have any questions or concerns regarding this report, please feel free to contact me.

Sincerely,

Russell Gerads
Vice President
Applied Speciation and Consulting, LLC

Metals Results for Calscience Environmental Laboratories
Contact: Stephen Nowak
Project Name: Selenium Investigation

Date: July 28, 2010
Report Generated by: Russell Gerads
Applied Speciation and Consulting, LLC

Sample Results

Sample ID	Date Sampled	Status	Total Se
GWR-3	7/22/2010	unpreserved	0.628
GWR-3	7/22/2010	preserved	0.450
GWR-3	7/22/2010	Field filtered and preserved	0.275
Influent	7/22/2010	unpreserved	0.572
Influent	7/22/2010	preserved	1.27
Influent	7/22/2010	Field filtered and preserved	0.766
Effluent	7/22/2010	unpreserved	0.209
Effluent	7/22/2010	preserved	0.170
Effluent	7/22/2010	Field filtered and preserved	0.148

All results are reported in µg/L and reflect the applied dilution

Metals Results for Calscience Environmental Laboratories
Contact: Stephen Nowak
Project Name: Selenium Investigation

Date: July 28, 2010
Report Generated by: Russell Gerads
Applied Speciation and Consulting, LLC

Quality Control Summary - Preparation Blank Summary

Analyte	Units	PBW1	PBW2	PBW3	PBW4	Mean	StdDev	eMDL	eMDL at 10x
Total Se	µg/L	0.080	0.069	0.104	0.037	0.073	0.028	0.008	0.084

eMDL = Estimated Method Detection Limit

Quality Control Summary - Certified Reference Materials

Analyte	Units	CRM	True Value	Result	Recovery
Total Se	µg/L	TMDA-70	25.9	23.5	90.6

Metals Results for Calscience Environmental Laboratories
Contact: Stephen Nowak
Project Name: Selenium Investigation

Date: July 28, 2010
Report Generated by: Russell Gerads
Applied Speciation and Consulting, LLC

Quality Control Summary - Matrix Duplicates

Analyte	Units	Sample ID	Status	Rep 1	Rep 2	Mean	RPD
Total Se	µg/L	Influent	unpreserved	0.572	0.617	0.595	7.5

Quality Control Summary - Matrix Spike/ Matrix Spike Duplicate

Analyte	Units	Sample ID	Status	Spike Conc	MS Result	Recovery	Spike Conc	MSD Result	Recovery	RPD
Total Se	µg/L	Influent	unpreserved	500.0	486.2	97.2	500.0	446.8	89.3	8.4

Calscience
Environmental
Laboratories, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

July 28, 2010

Mark Wuttig
CH2M Hill
325 East Hillcrest Dr.
Suite 125
Thousand Oaks, CA 91360

Subject: **Calscience Work Order No.: 10-07-1620**
Client Reference: DFSP Norwalk / 15306 Norwalk Blvd, Norwalk

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 7/22/2010 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Geomatrix, Inc.		Date Received:	07/22/10
510 Superior Avenue		Work Order No:	10-07-1620
Suite 200		Preparation:	EPA 3005A Filt.
Newport Beach, CA 92663-3627		Method:	EPA 6020

Project: DFSP Norwalk / 15306 Norwalk Blvd, Norwalk

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWR-3 (Field Filtered)	**10-07-1620-1-A**	**07/22/10 07:53**	**Aqueous**	**ICP/MS 04**	**07/23/10**	**07/26/10 10:55**	**100723L01**

Parameter	Result	RL	DF	Qual	Units
Selenium	0.0117	0.00100	1		mg/L

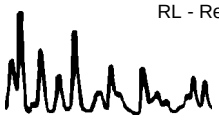
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
INFLUENT (Field Filtered)	**10-07-1620-4-A**	**07/22/10 10:08**	**Aqueous**	**ICP/MS 04**	**07/23/10**	**07/26/10 11:04**	**100723L01**

Parameter	Result	RL	DF	Qual	Units
Selenium	0.00517	0.00100	1		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EFFLUENT (Field Filtered)	**10-07-1620-7-A**	**07/22/10 08:51**	**Aqueous**	**ICP/MS 04**	**07/23/10**	**07/26/10 11:23**	**100723L01**

Parameter	Result	RL	DF	Qual	Units
Selenium	0.00503	0.00100	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Geomatrix, Inc.		Date Received:	07/22/10
510 Superior Avenue		Work Order No:	10-07-1620
Suite 200		Preparation:	EPA 3020A Total
Newport Beach, CA 92663-3627		Method:	EPA 6020

Project: DFSP Norwalk / 15306 Norwalk Blvd, Norwalk

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWR-3 (Preserved)	**10-07-1620-2-A**	**07/22/10 07:53**	**Aqueous**	**ICP/MS 04**	**07/23/10**	**07/26/10 10:58**	**100723L01**

Parameter	Result	RL	DF	Qual	Units
Selenium	0.0125	0.00100	1		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GWR-3 (Unpreserved)	**10-07-1620-3-A**	**07/22/10 07:53**	**Aqueous**	**ICP/MS 04**	**07/23/10**	**07/26/10 11:01**	**100723L01**

Parameter	Result	RL	DF	Qual	Units
Selenium	0.0113	0.00100	1		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
INFLUENT (Preserved)	**10-07-1620-5-A**	**07/22/10 10:08**	**Aqueous**	**ICP/MS 04**	**07/23/10**	**07/26/10 11:07**	**100723L01**

Parameter	Result	RL	DF	Qual	Units
Selenium	0.00555	0.00100	1		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
INFLUENT (Unpreserved)	**10-07-1620-6-A**	**07/22/10 10:08**	**Aqueous**	**ICP/MS 04**	**07/23/10**	**07/26/10 11:20**	**100723L01**

Parameter	Result	RL	DF	Qual	Units
Selenium	0.00540	0.00100	1		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EFFLUENT (Preserved)	**10-07-1620-8-A**	**07/22/10 08:51**	**Aqueous**	**ICP/MS 04**	**07/23/10**	**07/26/10 11:27**	**100723L01**

Parameter	Result	RL	DF	Qual	Units
Selenium	0.00488	0.00100	1		mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EFFLUENT (Unpreserved)	**10-07-1620-9-A**	**07/22/10 08:51**	**Aqueous**	**ICP/MS 04**	**07/23/10**	**07/26/10 11:30**	**100723L01**

Parameter	Result	RL	DF	Qual	Units
Selenium	0.00413	0.00100	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Geomatrix, Inc.		Date Received:	07/22/10
510 Superior Avenue		Work Order No:	10-07-1620
Suite 200		Preparation:	EPA 3020A Total
Newport Beach, CA 92663-3627		Method:	EPA 6020

Project: DFSP Norwalk / 15306 Norwalk Blvd, Norwalk

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**096-06-003-2,904**	**N/A**	**Aqueous**	**ICP/MS 04**	**07/23/10**	**07/23/10 11:29**	**100723L01**

Parameter	Result	RL	DF	Qual	Units
Selenium	ND	0.00100	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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AMEC Geomatrix, Inc.		Date Received:	07/22/10
510 Superior Avenue		Work Order No:	10-07-1620
Suite 200		Preparation:	EPA 3020A Total
Newport Beach, CA 92663-3627		Method:	EPA 6020

Project DFSP Norwalk / 15306 Norwalk Blvd, Norwalk

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-07-1662-1	**Aqueous**	**ICP/MS 04**	**07/23/10**	**07/23/10**	**100723S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Selenium	85	94	59-125	9	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - PDS / PDSD

AMEC Geomatrix, Inc.		Date Received	07/22/10
510 Superior Avenue		Work Order No:	10-07-1620
Suite 200		Preparation:	EPA 3020A Total
Newport Beach, CA 92663-3627		Method:	EPA 6020

Project: DFSP Norwalk / 15306 Norwalk Blvd, Norwalk

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS / PDSD Batch Number
10-07-1662-1	**Aqueous**	**ICP/MS 04**	**07/23/10**	**07/23/10**	**100723S01**

Parameter	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Selenium	93	99	75-125	5	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC Geomatrix, Inc.
510 Superior Avenue
Suite 200
Newport Beach, CA 92663-3627

Date Received: N/A
Work Order No: 10-07-1620
Preparation: EPA 3020A Total
Method: EPA 6020

Project: DFSP Norwalk / 15306 Norwalk Blvd, Norwalk

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
096-06-003-2,904	**Aqueous**	**ICP/MS 04**	**07/23/10**	**07/23/10**	**100723L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Selenium	92	93	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-07-1620

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

LAB: Calscience (1620) COC 1 of 1

CHAIN OF CUSTODY

CLIENT: Kinder Morgan

SITE: DFSP Norwalk

15306 Norwalk Blvd, Norwalk

Billing Information:
Kinder Morgan
1100 Town and CountryRd.
Orange CA 95112

Kinder Morgan Norwalk
Report to:
Mark Wuttig
CH2MHILL
325 East Hillcrest Dr., Suite 125
Thousand Oaks, CA 91360

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS #	Preservation	Type	Field Filtered	Total Selinium	Dissolved Selinium	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
GWR-3	07/22/10	0753	AQ	1	HNO3	250mL Poly	YES		X				1
				1	HNO3	250mL Poly	NO	X					2
				1	NP	250mL Poly	NO	X					3
INFLUENT	07/22/10	1008	AQ	1	HNO3	250mL Poly	YES		X				4
				1	HNO3	250mL Poly	NO	X					5
				1	NP	250mL Poly	NO	X					6
EFFLUENT	07/22/10	0851	AQ	1	HNO3	250mL Poly	YES		X				7
				1	HNO3	250mL Poly	NO	X					8
				1	NP	250mL Poly	NO	X					9

SAMPLING COMPLETED DATE 7/22/10 TIME 1024 SAMPLING PERFORMED BY Cody Shacbrough

RESULTS NEEDED NO LATER THAN Standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
[signature]	1100	Dannyle CEL	07/22/10	11:02

SHIPPED VIA | TIME SENT | COOLER #

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-07-1 L 2 0

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: BTS DATE: 07/22/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 1.4 °C + 0.5 °C (CF) = 1.9 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only Initial: D.L

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: D.L

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: WS

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑ WS 7/22/10	☑	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na**

☑250PB ☑250PB**n** By WSC 7-22-10 ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☑250PB**nf** ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** WS

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** WSC

Preservative: h: HCL n: HNO_3 na$_2$: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** WS

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-07-1 6 2 0

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

- ☐ **Sample(s)/Container(s) NOT RECEIVED but listed on COC**
- ☐ **Sample(s)/Container(s) received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s) used** – list test
- ☑ **Improper preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☐ **Sample label(s) do not match COC** – Note in comments
  - ☐ **Sample ID**
  - ☐ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☐ **# of Container(s)**
  - ☐ **Analysis**
- ☐ **Sample container(s) compromised** – Note in comments
  - ☐ **Water present in sample container**
  - ☐ **Broken**
  - ☐ **Without Label(s)**
- ☐ **Air sample container(s) compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Very low in volume**
  - ☐ **Leaking (Not transferred - duplicate bag submitted)**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

Comments:

(3,6,9) RECEIVED 250PB UNPRESERVED.

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: WB 07/22/10

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

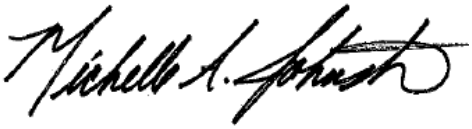
Job Number: 280-5643-1

SDG Number: Norwalk Station

Job Description: Kinder Morgan DFSP Norwalk

For:
CH2M Hill, Inc.
1000 Wilshire Boulevard
21st Floor
Los Angeles, CA 90017

Attention: Mr. Daniel Jablonski



Approved for release.
Michelle Johnston
Project Manager I
8/13/2010 9:23 AM

Michelle Johnston
Project Manager I
michelle.johnston@testamericainc.com
08/13/2010

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

Table of Contents

CASE NARRATIVE
Client: CH2M Hill
Project: Kinder Morgan DFSP Norwalk
Report Number: 280-5643-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

Sample Receipt

The following report contains the analytical results for three water samples received July 23, 2010, according to documented sample acceptance procedures. The samples were received at a temperature of 1.8°C. No anomalies were encountered during sample receipt.

Total Metals - 6020A (Unpreserved)

Samples GWR-3 (280-5643-4), INFLUENT (280-5643-5) and EFFLUENT (280-5643-6) were analyzed for metals (ICPMS) in accordance with EPA SW-846 Method 6020A. The samples were prepared on 08/10/2010 and analyzed on 08/10/2010.

Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. Due to matrix interferences, samples GWR-3 (280-5643-4), INFLUENT (280-5643-5) and EFFLUENT (280-5643-6) had to be analyzed at dilutions. The reporting limits have been adjusted relative to the dilutions required.

Selenium Iron failed the recovery criteria low for the MS and MSD of sample GWR-3 (280-5643-4) in prep batch 280-25914. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

Refer to the QC report for details.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits

Total Metals - 6020A (Preserved)

Samples GWR-3 (280-5643-1), INFLUENT (280-5643-2) and EFFLUENT (280-5643-3) were analyzed for metals (ICPMS) in accordance with EPA SW-846 Methods 6020A. The samples were prepared on 07/29/2010 and analyzed on 08/03/2010.

Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. Due to matrix interferences, samples GWR-3 (280-5643-1), INFLUENT (280-5643-2) and EFFLUENT (280-5643-3) had to be analyzed at dilutions. The reporting limits have been adjusted relative to the dilutions required.

No difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits

Dissolved Metals - 6020A

Samples GWR-3 (280-5643-1), INFLUENT (280-5643-2) and EFFLUENT (280-5643-3) were analyzed for metals (ICPMS) in accordance with EPA SW-846 Methods 6020A. The samples were prepared on 07/28/2010 and analyzed on 08/03/2010.

Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. Due to matrix interferences, samples GWR-3 (280-5643-1), INFLUENT (280-5643-2) and EFFLUENT (280-5643-3) had to be analyzed at dilutions. The reporting limits have been adjusted relative to the dilutions required.

No difficulties were encountered during the metals analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill, Inc. Job Number: 280-5643-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method

No Detections

METHOD SUMMARY

Client: CH2M Hill, Inc. Job Number: 280-5643-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Metals (ICP/MS)	TAL DEN	SW846 6020A	
Sample Filtration, Field	TAL DEN		FIELD_FLTRD
Preparation, Total Recoverable or Dissolved Metals	TAL DEN		SW846 3005A

Lab References:

TAL DEN = TestAmerica Denver

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: CH2M Hill, Inc. Job Number: 280-5643-1

Method	Analyst	Analyst ID
SW846 6020A	Lill, Thomas E	TEL

SAMPLE SUMMARY

Client: CH2M Hill, Inc. Job Number: 280-5643-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-5643-1	GWR-3	Water	07/22/2010 0753	07/23/2010 0945
280-5643-2	INFLUENT	Water	07/22/2010 1008	07/23/2010 0945
280-5643-3	EFFLUENT	Water	07/22/2010 0851	07/23/2010 0945
280-5643-4	GWR-3	Water	07/22/2010 0753	07/23/2010 0945
280-5643-5	INFLUENT	Water	07/22/2010 1008	07/23/2010 0945
280-5643-6	EFFLUENT	Water	07/22/2010 0851	07/23/2010 0945

SAMPLE RESULTS

Client: CH2M Hill, Inc. Job Number: 280-5643-1

Client Sample ID: **GWR-3**

Lab Sample ID: 280-5643-1 Date Sampled: 07/22/2010 0753
Client Matrix: Water Date Received: 07/23/2010 0945

6020A Metals (ICP/MS)-Total Recoverable

Method:	6020A	Analysis Batch: 280-25232		Instrument ID:	MT_024
Preparation:	3005A	Prep Batch: 280-24388		Lab File ID:	177SMPL.D
Dilution:	2.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/03/2010 0213			Final Weight/Volume:	50 mL
Date Prepared:	07/29/2010 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Selenium	ND		1.4	10

6020A Metals (ICP/MS)-Dissolved

Method:	6020A	Analysis Batch: 280-25424		Instrument ID:	MT_024
Preparation:	3005A	Prep Batch: 280-24422		Lab File ID:	021SMPL.D
Dilution:	2.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/03/2010 2220			Final Weight/Volume:	50 mL
Date Prepared:	07/28/2010 1100				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Selenium	ND		1.4	10

Client: CH2M Hill, Inc. Job Number: 280-5643-1

Client Sample ID: **INFLUENT**

Lab Sample ID: 280-5643-2 Date Sampled: 07/22/2010 1008
Client Matrix: Water Date Received: 07/23/2010 0945

6020A Metals (ICP/MS)-Total Recoverable

Method:	6020A	Analysis Batch: 280-25232		Instrument ID:	MT_024
Preparation:	3005A	Prep Batch: 280-24388		Lab File ID:	178AREF.D
Dilution:	2.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/03/2010 0216			Final Weight/Volume:	50 mL
Date Prepared:	07/29/2010 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Selenium	ND		1.4	10

6020A Metals (ICP/MS)-Dissolved

Method:	6020A	Analysis Batch: 280-25424		Instrument ID:	MT_024
Preparation:	3005A	Prep Batch: 280-24422		Lab File ID:	022AREF.D
Dilution:	2.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/03/2010 2223			Final Weight/Volume:	50 mL
Date Prepared:	07/28/2010 1100				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Selenium	ND		1.4	10

Client: CH2M Hill, Inc. Job Number: 280-5643-1

Client Sample ID: **EFFLUENT**

Lab Sample ID: 280-5643-3 Date Sampled: 07/22/2010 0851
Client Matrix: Water Date Received: 07/23/2010 0945

6020A Metals (ICP/MS)-Total Recoverable

Method:	6020A	Analysis Batch: 280-25232		Instrument ID:	MT_024
Preparation:	3005A	Prep Batch: 280-24388		Lab File ID:	183SMPL.D
Dilution:	2.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/03/2010 0230			Final Weight/Volume:	50 mL
Date Prepared:	07/29/2010 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Selenium	ND		1.4	10

6020A Metals (ICP/MS)-Dissolved

Method:	6020A	Analysis Batch: 280-25424		Instrument ID:	MT_024
Preparation:	3005A	Prep Batch: 280-24422		Lab File ID:	027SMPL.D
Dilution:	2.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/03/2010 2237			Final Weight/Volume:	50 mL
Date Prepared:	07/28/2010 1100				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Selenium	ND		1.4	10

Client: CH2M Hill, Inc. Job Number: 280-5643-1

Client Sample ID: **GWR-3**

Lab Sample ID: 280-5643-4 Date Sampled: 07/22/2010 0753
Client Matrix: Water Date Received: 07/23/2010 0945

6020A Metals (ICP/MS)-Total Recoverable

Method:	6020A	Analysis Batch: 280-26351		Instrument ID:	MT_024
Preparation:	3005A	Prep Batch: 280-25914		Lab File ID:	075AREF.D
Dilution:	2.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/10/2010 1933			Final Weight/Volume:	50 mL
Date Prepared:	08/10/2010 0600				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Selenium	ND		1.4	10

Client: CH2M Hill, Inc. Job Number: 280-5643-1

Client Sample ID: **INFLUENT**

Lab Sample ID: 280-5643-5 Date Sampled: 07/22/2010 1008
Client Matrix: Water Date Received: 07/23/2010 0945

6020A Metals (ICP/MS)-Total Recoverable

Method:	6020A	Analysis Batch: 280-26351		Instrument ID:	MT_024
Preparation:	3005A	Prep Batch: 280-25914		Lab File ID:	080SMPL.D
Dilution:	2.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/10/2010 1947			Final Weight/Volume:	50 mL
Date Prepared:	08/10/2010 0600				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Selenium	ND		1.4	10

Client: CH2M Hill, Inc. Job Number: 280-5643-1

Client Sample ID: **EFFLUENT**

Lab Sample ID: 280-5643-6 Date Sampled: 07/22/2010 0851
Client Matrix: Water Date Received: 07/23/2010 0945

6020A Metals (ICP/MS)-Total Recoverable

Method:	6020A	Analysis Batch: 280-26351		Instrument ID:	MT_024
Preparation:	3005A	Prep Batch: 280-25914		Lab File ID:	081SMPL.D
Dilution:	2.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/10/2010 1949			Final Weight/Volume:	50 mL
Date Prepared:	08/10/2010 0600				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Selenium	ND		1.4	10

DATA REPORTING QUALIFIERS

Client: CH2M Hill, Inc. Job Number: 280-5643-1

Lab Section	Qualifier	Description
Metals		
	F	MS or MSD exceeds the control limits

QUALITY CONTROL RESULTS

Client: CH2M Hill, Inc. Job Number: 280-5643-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 280-24388					
LCS 280-24388/2-A	Lab Control Sample	R	Water	3005A	
MB 280-24388/1-A	Method Blank	R	Water	3005A	
280-5643-1	GWR-3	R	Water	3005A	
280-5643-2	INFLUENT	R	Water	3005A	
280-5643-2MS	Matrix Spike	R	Water	3005A	
280-5643-2MSD	Matrix Spike Duplicate	R	Water	3005A	
280-5643-3	EFFLUENT	R	Water	3005A	
Prep Batch: 280-24422					
LCS 280-24422/2-A	Lab Control Sample	R	Water	3005A	
MB 280-24422/1-A	Method Blank	R	Water	3005A	
280-5643-1	GWR-3	D	Water	3005A	
280-5643-2	INFLUENT	D	Water	3005A	
280-5643-2MS	Matrix Spike	D	Water	3005A	
280-5643-2MSD	Matrix Spike Duplicate	D	Water	3005A	
280-5643-3	EFFLUENT	D	Water	3005A	
Analysis Batch:280-25232					
LCS 280-24388/2-A	Lab Control Sample	R	Water	6020A	280-24388
MB 280-24388/1-A	Method Blank	R	Water	6020A	280-24388
280-5643-1	GWR-3	R	Water	6020A	280-24388
280-5643-2	INFLUENT	R	Water	6020A	280-24388
280-5643-2MS	Matrix Spike	R	Water	6020A	280-24388
280-5643-2MSD	Matrix Spike Duplicate	R	Water	6020A	280-24388
280-5643-3	EFFLUENT	R	Water	6020A	280-24388
Analysis Batch:280-25424					
LCS 280-24422/2-A	Lab Control Sample	R	Water	6020A	280-24422
MB 280-24422/1-A	Method Blank	R	Water	6020A	280-24422
280-5643-1	GWR-3	D	Water	6020A	280-24422
280-5643-2	INFLUENT	D	Water	6020A	280-24422
280-5643-2MS	Matrix Spike	D	Water	6020A	280-24422
280-5643-2MSD	Matrix Spike Duplicate	D	Water	6020A	280-24422
280-5643-3	EFFLUENT	D	Water	6020A	280-24422
Prep Batch: 280-25914					
LCS 280-25914/2-A	Lab Control Sample	R	Water	3005A	
MB 280-25914/1-A	Method Blank	R	Water	3005A	
280-5643-4	GWR-3	R	Water	3005A	
280-5643-4MS	Matrix Spike	R	Water	3005A	
280-5643-4MSD	Matrix Spike Duplicate	R	Water	3005A	
280-5643-5	INFLUENT	R	Water	3005A	
280-5643-6	EFFLUENT	R	Water	3005A	

Client: CH2M Hill, Inc. Job Number: 280-5643-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:280-26351					
LCS 280-25914/2-A	Lab Control Sample	R	Water	6020A	280-25914
MB 280-25914/1-A	Method Blank	R	Water	6020A	280-25914
280-5643-4	GWR-3	R	Water	6020A	280-25914
280-5643-4MS	Matrix Spike	R	Water	6020A	280-25914
280-5643-4MSD	Matrix Spike Duplicate	R	Water	6020A	280-25914
280-5643-5	INFLUENT	R	Water	6020A	280-25914
280-5643-6	EFFLUENT	R	Water	6020A	280-25914

Report Basis

D = Dissolved

R = Total Recoverable

Client: CH2M Hill, Inc. Job Number: 280-5643-1

Method Blank - Batch: 280-24388

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID: MB 280-24388/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/03/2010 0207
Date Prepared: 07/29/2010 1400

Analysis Batch: 280-25232
Prep Batch: 280-24388
Units: ug/L

Instrument ID: MT_024
Lab File ID: 175_BLK.D
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Selenium	ND		0.70	5.0

Lab Control Sample - Batch: 280-24388

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 280-24388/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/03/2010 0210
Date Prepared: 07/29/2010 1400

Analysis Batch: 280-25232
Prep Batch: 280-24388
Units: ug/L

Instrument ID: MT_024
Lab File ID: 176_LCS.D
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Selenium	40.0	43.8	110	77 - 122	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-24388

Method: 6020A
Preparation: 3005A
Total Recoverable

MS Lab Sample ID: 280-5643-2
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 08/03/2010 0224
Date Prepared: 07/29/2010 1400

Analysis Batch: 280-25232
Prep Batch: 280-24388

Instrument ID: MT_024
Lab File ID: 181_MS.D
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 280-5643-2
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 08/03/2010 0227
Date Prepared: 07/29/2010 1400

Analysis Batch: 280-25232
Prep Batch: 280-24388

Instrument ID: MT_024
Lab File ID: 182_MSD.D
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Selenium	108	111	77 - 122	3	20		

Client: CH2M Hill, Inc.

Job Number: 280-5643-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-24388

Method: 6020A
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-5643-2	Units: ug/L	MSD Lab Sample ID:	280-5643-2
Client Matrix:	Water		Client Matrix:	Water
Dilution:	2.0		Dilution:	2.0
Date Analyzed:	08/03/2010 0224		Date Analyzed:	08/03/2010 0227
Date Prepared:	07/29/2010 1400		Date Prepared:	07/29/2010 1400

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Selenium	ND	40.0	40.0	43.0	44.3

Client: CH2M Hill, Inc. Job Number: 280-5643-1

Method Blank - Batch: 280-24422

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID: MB 280-24422/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/03/2010 2215
Date Prepared: 07/28/2010 1100

Analysis Batch: 280-25424
Prep Batch: 280-24422
Units: ug/L

Instrument ID: MT_024
Lab File ID: 019_BLK.D
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Selenium	ND		0.70	5.0

Lab Control Sample - Batch: 280-24422

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 280-24422/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/03/2010 2217
Date Prepared: 07/28/2010 1100

Analysis Batch: 280-25424
Prep Batch: 280-24422
Units: ug/L

Instrument ID: MT_024
Lab File ID: 020_LCS.D
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Selenium	40.0	44.8	112	77 - 122	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-24422

Method: 6020A
Preparation: 3005A
Dissolved

MS Lab Sample ID: 280-5643-2
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 08/03/2010 2231
Date Prepared: 07/28/2010 1100

Analysis Batch: 280-25424
Prep Batch: 280-24422

Instrument ID: MT_024
Lab File ID: 025_MS.D
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 280-5643-2
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 08/03/2010 2234
Date Prepared: 07/28/2010 1100

Analysis Batch: 280-25424
Prep Batch: 280-24422

Instrument ID: MT_024
Lab File ID: 026_MSD.D
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Selenium	105	112	77 - 122	6	20		

Client: CH2M Hill, Inc.

Job Number: 280-5643-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-24422

Method: 6020A
Preparation: 3005A
Dissolved

MS Lab Sample ID:	280-5643-2	Units: ug/L	MSD Lab Sample ID:	280-5643-2
Client Matrix:	Water		Client Matrix:	Water
Dilution:	2.0		Dilution:	2.0
Date Analyzed:	08/03/2010 2231		Date Analyzed:	08/03/2010 2234
Date Prepared:	07/28/2010 1100		Date Prepared:	07/28/2010 1100

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Selenium	ND	40.0	40.0	42.1	44.8

Client: CH2M Hill, Inc. Job Number: 280-5643-1

Method Blank - Batch: 280-25914

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID: MB 280-25914/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/10/2010 1927
Date Prepared: 08/10/2010 0600

Analysis Batch: 280-26351
Prep Batch: 280-25914
Units: ug/L

Instrument ID: MT_024
Lab File ID: 073_BLK.D
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Selenium	ND		0.70	5.0

Lab Control Sample - Batch: 280-25914

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 280-25914/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/10/2010 1930
Date Prepared: 08/10/2010 0600

Analysis Batch: 280-26351
Prep Batch: 280-25914
Units: ug/L

Instrument ID: MT_024
Lab File ID: 074_LCS.D
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Selenium	40.0	43.5	109	77 - 122	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-25914

Method: 6020A
Preparation: 3005A
Total Recoverable

MS Lab Sample ID: 280-5643-4
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 08/10/2010 1941
Date Prepared: 08/10/2010 0600

Analysis Batch: 280-26351
Prep Batch: 280-25914

Instrument ID: MT_024
Lab File ID: 078_MS.D
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 280-5643-4
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 08/10/2010 1944
Date Prepared: 08/10/2010 0600

Analysis Batch: 280-26351
Prep Batch: 280-25914

Instrument ID: MT_024
Lab File ID: 079_MSD.D
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Selenium	73	64	77 - 122	12	20	F	F

Client: CH2M Hill, Inc.

Job Number: 280-5643-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-25914

Method: 6020A
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-5643-4	Units: ug/L	MSD Lab Sample ID:	280-5643-4	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	2.0		Dilution:	2.0	
Date Analyzed:	08/10/2010 1941		Date Analyzed:	08/10/2010 1944	
Date Prepared:	08/10/2010 0600		Date Prepared:	08/10/2010 0600	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Selenium	ND	40.0	40.0	29.0	F	25.8	F

Client: CH2M Hill, Inc. Job Number: 280-5643-1

Laboratory Chronicle

Lab ID: 280-5643-1 **Client ID:** GWR-3

Sample Date/Time: 07/22/2010 07:53 Received Date/Time: 07/23/2010 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	280-5643-A-1-A		280-25232	280-24388	07/29/2010 14:00	2	TAL DEN	CGG
A:6020A	280-5643-A-1-A		280-25232	280-24388	08/03/2010 02:13	2	TAL DEN	TEL
P:3005A	280-5643-A-1-B		280-25424	280-24422	07/28/2010 11:00	2	TAL DEN	CGG
A:6020A	280-5643-A-1-B		280-25424	280-24422	08/03/2010 22:20	2	TAL DEN	TEL

Lab ID: 280-5643-2 **Client ID:** INFLUENT

Sample Date/Time: 07/22/2010 10:08 Received Date/Time: 07/23/2010 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	280-5643-A-2-A		280-25232	280-24388	07/29/2010 14:00	2	TAL DEN	CGG
A:6020A	280-5643-A-2-A		280-25232	280-24388	08/03/2010 02:16	2	TAL DEN	TEL
P:3005A	280-5643-A-2-D		280-25424	280-24422	07/28/2010 11:00	2	TAL DEN	CGG
A:6020A	280-5643-A-2-D		280-25424	280-24422	08/03/2010 22:23	2	TAL DEN	TEL

Lab ID: 280-5643-2 MS **Client ID:** INFLUENT

Sample Date/Time: 07/22/2010 10:08 Received Date/Time: 07/23/2010 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	280-5643-A-2-B MS		280-25232	280-24388	07/29/2010 14:00	2	TAL DEN	CGG
A:6020A	280-5643-A-2-B MS		280-25232	280-24388	08/03/2010 02:24	2	TAL DEN	TEL
P:3005A	280-5643-A-2-E MS		280-25424	280-24422	07/28/2010 11:00	2	TAL DEN	CGG
A:6020A	280-5643-A-2-E MS		280-25424	280-24422	08/03/2010 22:31	2	TAL DEN	TEL

Lab ID: 280-5643-2 MSD **Client ID:** INFLUENT

Sample Date/Time: 07/22/2010 10:08 Received Date/Time: 07/23/2010 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	280-5643-A-2-C MSD		280-25232	280-24388	07/29/2010 14:00	2	TAL DEN	CGG
A:6020A	280-5643-A-2-C MSD		280-25232	280-24388	08/03/2010 02:27	2	TAL DEN	TEL
P:3005A	280-5643-A-2-F MSD		280-25424	280-24422	07/28/2010 11:00	2	TAL DEN	CGG
A:6020A	280-5643-A-2-F MSD		280-25424	280-24422	08/03/2010 22:34	2	TAL DEN	TEL

Lab ID: 280-5643-3 **Client ID:** EFFLUENT

Sample Date/Time: 07/22/2010 08:51 Received Date/Time: 07/23/2010 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	280-5643-A-3-A		280-25232	280-24388	07/29/2010 14:00	2	TAL DEN	CGG
A:6020A	280-5643-A-3-A		280-25232	280-24388	08/03/2010 02:30	2	TAL DEN	TEL
P:3005A	280-5643-A-3-B		280-25424	280-24422	07/28/2010 11:00	2	TAL DEN	CGG
A:6020A	280-5643-A-3-B		280-25424	280-24422	08/03/2010 22:37	2	TAL DEN	TEL

Client: CH2M Hill, Inc. Job Number: 280-5643-1

Laboratory Chronicle

Lab ID: 280-5643-4 **Client ID:** GWR-3

Sample Date/Time: 07/22/2010 07:53 Received Date/Time: 07/23/2010 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	280-5643-A-4-A		280-26351	280-25914	08/10/2010 06:00	2	TAL DEN	KMN
A:6020A	280-5643-A-4-A		280-26351	280-25914	08/10/2010 19:33	2	TAL DEN	TEL

Lab ID: 280-5643-4 MS **Client ID:** GWR-3

Sample Date/Time: 07/22/2010 07:53 Received Date/Time: 07/23/2010 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	280-5643-A-4-B MS		280-26351	280-25914	08/10/2010 06:00	2	TAL DEN	KMN
A:6020A	280-5643-A-4-B MS		280-26351	280-25914	08/10/2010 19:41	2	TAL DEN	TEL

Lab ID: 280-5643-4 MSD **Client ID:** GWR-3

Sample Date/Time: 07/22/2010 07:53 Received Date/Time: 07/23/2010 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	280-5643-A-4-C MSD		280-26351	280-25914	08/10/2010 06:00	2	TAL DEN	KMN
A:6020A	280-5643-A-4-C MSD		280-26351	280-25914	08/10/2010 19:44	2	TAL DEN	TEL

Lab ID: 280-5643-5 **Client ID:** INFLUENT

Sample Date/Time: 07/22/2010 10:08 Received Date/Time: 07/23/2010 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	280-5643-A-5-A		280-26351	280-25914	08/10/2010 06:00	2	TAL DEN	KMN
A:6020A	280-5643-A-5-A		280-26351	280-25914	08/10/2010 19:47	2	TAL DEN	TEL

Lab ID: 280-5643-6 **Client ID:** EFFLUENT

Sample Date/Time: 07/22/2010 08:51 Received Date/Time: 07/23/2010 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	280-5643-A-6-A		280-26351	280-25914	08/10/2010 06:00	2	TAL DEN	KMN
A:6020A	280-5643-A-6-A		280-26351	280-25914	08/10/2010 19:49	2	TAL DEN	TEL

Client: CH2M Hill, Inc. Job Number: 280-5643-1

Laboratory Chronicle

Lab ID: MB **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	MB 280-24388/1-A		280-25232	280-24388	07/29/2010 14:00	1	TAL DEN	CGG
A:6020A	MB 280-24388/1-A		280-25232	280-24388	08/03/2010 02:07	1	TAL DEN	TEL
P:3005A	MB 280-24422/1-A		280-25424	280-24422	07/28/2010 11:00	1	TAL DEN	CGG
A:6020A	MB 280-24422/1-A		280-25424	280-24422	08/03/2010 22:15	1	TAL DEN	TEL
P:3005A	MB 280-25914/1-A		280-26351	280-25914	08/10/2010 06:00	1	TAL DEN	KMN
A:6020A	MB 280-25914/1-A		280-26351	280-25914	08/10/2010 19:27	1	TAL DEN	TEL

Lab ID: LCS **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	LCS 280-24388/2-A		280-25232	280-24388	07/29/2010 14:00	1	TAL DEN	CGG
A:6020A	LCS 280-24388/2-A		280-25232	280-24388	08/03/2010 02:10	1	TAL DEN	TEL
P:3005A	LCS 280-24422/2-A		280-25424	280-24422	07/28/2010 11:00	1	TAL DEN	CGG
A:6020A	LCS 280-24422/2-A		280-25424	280-24422	08/03/2010 22:17	1	TAL DEN	TEL
P:3005A	LCS 280-25914/2-A		280-26351	280-25914	08/10/2010 06:00	1	TAL DEN	KMN
A:6020A	LCS 280-25914/2-A		280-26351	280-25914	08/10/2010 19:30	1	TAL DEN	TEL

Lab References:
TAL DEN = TestAmerica Denver

1.8
JS 7/23/10 IR1

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY

CLIENT: Kinder Morgan

SITE: DFSP Norwalk

15306 Norwalk Blvd, Norwalk

CONDUCT ANALYSIS TO DETECT

LAB: Test America COC 1 of 1

Billing Information:
Kinder Morgan
1100 Town and CountryRd.
Orange CA 95112

Kinder Morgan Norwalk
Report to:
Mark Wuttig
CH2MHILL
325 East Hillcrest Dr., Suite 125
Thousand Oaks, CA 91360

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS #	Preservation	Type	Field Filtered	Total Selinium	Dissolved Selinium	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
GWR-3	07/22/10	0753	AQ	1	HNO3	250mL Poly	YES		X				
				1	HNO3	250mL Poly	NO	X					
				1	NP	250mL Poly	NO	X					
INFLUENT	07/22/10	1008	AQ	1	HNO3	250mL Poly	YES		X				
				1	HNO3	250mL Poly	NO	X					
				1	NP	250mL Poly	NO	X					
EFFLUENT	07/22/10	0851	AQ	1	HNO3	250mL Poly	YES		X				
				1	HNO3	250mL Poly	NO	X					
				1	NP	250mL Poly	NO	X					

SAMPLING COMPLETED — DATE 7/22/10 — TIME 1024

SAMPLING PERFORMED BY Cody Shadbourn

RESULTS NEEDED NO LATER THAN Standard

RELEASED BY	TIME	RECEIVED BY	DATE	TIME
Cody Shadbourn	1060	Fed Ex	7/22/10	1200
			7-23-10	0845

SHIPPED VIA

TIME SENT

COOLER #

Login Sample Receipt Check List

Client: CH2M Hill, Inc.

Job Number: 280-5643-1

Login Number: 5643

List Source: TestAmerica Denver

Creator: Harrington, Nicholas

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	