



SFPP, L.P.
Operating Partnership

April 28, 2011

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

Re: Effluent Monitoring Report
January through March 2011
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 first calendar quarter 2011 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 28th day of April 2011.
at 1:45 p.m.

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

_____ (signature)

Stephen T. Defibaugh (printed name)

Remediation Project Manager (title)



CH2M HILL
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Tel 213.228.8271
Fax 714.424.2135

April 29, 2011

407609.A1.05

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

Subject: Effluent Monitoring Report, January 1 to March 31, 2011 (1st Quarter 2011)
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 January 1 through March 31, 2011.

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.

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 Regional Water Quality Control Board (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. Two temporary fluidized bed bioreactors (FBBRs) are being installed downstream of the LGAC units to treat tertiary butyl alcohol (TBA), a new discharge parameter in the Revised Tentative Waste Discharge Requirements (WDRs) issued by the RWQCB on March 11, 2011.

Summary of Quarterly Operations

Approximately 3,135,028 gallons of groundwater was extracted during the first quarter 2011. 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:

- The TFE/GWE system was shut down on January 4, 2011, to clean the oil-water separator. The system was restarted on the same day.
- The TFE/GWE system was shut down on January 26, 2011, to change the carbon from the lead GAC vessel. The system was restarted on the same day.
- The TFE/GWE system was shut down on February 8, 2011, to change the carbon from the second GAC vessel. The system was restarted on the same day.
- On February 22, 2011, the TFE/GWE system was down on arrival due to a high-water-level alarm in the transfer tank. The bag filters were clogged and were changed out. The system was restarted the same day.
- On February 28, 2011, the TFE/GWE system was down on arrival due to a broken transfer pump. A new pump was ordered and the system remained off until the new pump was installed on March 18, 2011. During the system downtime, KMEP's remediation contractor, Cardno ERI, placed the first temporary FBBR and began installation of the aboveground appurtenances (e.g., electrical and plumbing). Carbon from two of the three GAC vessels was changed out on March 8, 2011, while the system was down.

Routine Effluent Monitoring

Effluent water samples were collected pursuant to the WDRs under Order No. R4-2005-0072 (Order). Samples were collected at the Order-designated monitoring points:

- M-001 – Remediation System Effluent;
- R-001 – 50 feet upstream of the discharge point into Coyote Creek; and
- R-002 – 50 feet downstream of the discharge point into Coyote Creek.

Samples were transported to Advance Technology Laboratory (ATL) in Las Vegas, Nevada, for analysis. ATL is certified by the National Environmental Laboratory Accreditation Program and the California Department of Health Services Environmental Laboratory Accreditation Program. The samples were analyzed in accordance with current United States Environmental Protection Agency (EPA) guidelines or as specified in the WDRs for the site. Analytical results for the monthly and quarterly effluent monitoring are summarized in Table 2. Analytical results for the annual effluent and Coyote Creek monitoring are summarized in Tables 3 and 4, respectively. Laboratory analytical reports and chain-of-custody documents are included in Appendix A.

The annual effluent monitoring for acute and chronic toxicity was performed between March 30 and April 4, 2011. Results of the acute and chronic toxicity analysis will be presented in the second quarter 2011 effluent monitoring report.

Visual Monitoring of Coyote Creek

Visual observations of the receiving water (Coyote Creek) were performed in the vicinity of the discharge point on January 11, 2011 at approximately 12:15 p.m. At the time of observation, the weather condition was clear and warm and the tide was observed to be low. The water flow of Coyote Creek was toward the southwest. The water in Coyote Creek was clear and no oil or grease films, color patches, or odors were apparent in the water. Neither the California brown pelican nor California least tern were 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: methyl tertiary butyl ether (MTBE). MTBE was detected in the effluent sample collected on January 11, 2011, above its average monthly effluent limitation (AMEL) of 13 micrograms per liter ($\mu\text{g}/\text{L}$). Mr. Mazhar Ali of the RWQCB was notified on January 31, 2011, within 24 hours of having knowledge of the exceedance. Four additional samples were collected at approximately equal intervals on January 31, February 4, 9, and 15, 2011, and analyzed for MTBE, which is consistent with Section VII Compliance Determination of the NPDES permit. MTBE was nondetect (ND) in three of the four expedited samples. The lone MTBE detection was reported at a J-flagged (estimated) concentration of 0.59 $\mu\text{g}/\text{L}$.

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Section VII. Compliance Determination of the NPDES permit states:

“When one or more sample results are reported as “Not Detected (ND)” or “Detected But Not Quantified (DNQ),” the median value of these four samples shall be used for compliance determination. If one or both of the middle values is ND or DNQ, the median shall be the lower of the two values.”

Based on the five results for MTBE during January and February 2011, the average effluent concentration for MTBE is ND <0.089 µg/L, which is below the AMEL of 13 µg/L. Furthermore, based on the two results for MTBE during January 2011, the average monthly effluent concentration for MTBE is also ND <0.089 µg/L, which indicates that the discharge limitation for MTBE was met during the month of January.

Settleable solids were not detected in the sample collected on January 11, 2011. However, the method detection limit for the settleable solids analysis was 0.11 µg/L, which is above the AMEL for settleable solids (0.10 µg/L). A confirmation sample was collected on January 31, 2011, and analyzed by ATL using a lower detection limit (0.093 µg/L). Settleable solids were not detected in the confirmation sample.

Waste Hauling

Spent GAC was removed from the site on January 26, February 8, March 8, and March 25, 2011. Prominent Systems, Inc. (13095 East Temple Avenue, City of Industry, California 91746-1418) transported 2,000 pounds of spent GAC on January 26 and February 8, 2011, and 4,000 pounds on March 8 and March 25, 2011, to California Carbon Co., Inc., at 2825 East Grant Street, Wilmington, California 90744.

Should you require any further information, please do not hesitate to contact me at (714) 435-6017.

Sincerely,

CH2M HILL, Inc.



Vladimir Carino
Project Engineer

Attachments: Table 1 - Effluent Flow Rate, pH, and Temperature Measurements
Table 2 - NPDES Effluent Monitoring Results
Table 3 - NPDES Effluent Monitoring Results, Remaining Priority Pollutants
Table 4 - NPDES Coyote Creek Monitoring Results
Appendix A - Laboratory Analytical Reports and Chain-of-Custody Documents for NPDES Effluent Monitoring

Tables

TABLE 1
Effluent Flow Rate, pH, and Temperature Measurements¹
First Quarter 2011
 SFPP, L.P.
 Norwalk, California

Date	Average Flow Rate (gallons per day)	pH	Temperature (Deg F)
Discharge Limits²			
Instantaneous Minimum	NE	6.5	NE
Instantaneous Maximum	NE	8.5	86
Maximum Daily	150,000	NE	NE
Results			
1/4/2011	37,180	7.42	64.0
1/7/2011	34,640	--	--
1/11/2011	33,305	7.48	64.3
1/14/2011	33,544	--	--
1/19/2011	39,784	7.47	64.2
1/21/2011	34,997	--	--
1/25/2011	35,463	7.39	65.5
1/26/2011	32,581	--	--
1/28/2011	32,113	--	--
2/1/2011	34,164	7.20	64.4
2/4/2011	38,828	--	--
2/8/2011	38,228	7.40	63.3
2/10/2011	38,840	--	--
2/15/2011	56,093	--	--
2/18/2011	65,615	7.00	57.6
2/22/2011	79,079	7.30	58.2
2/25/2011	61,653	--	--
3/18/2011	59,492	7.20	70.0
3/22/2011	63,604	7.00	57.8
3/25/2011	61,789	--	--
3/29/2011	55,108	7.10	67.3

Notes

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

Abbreviations

Deg F = degrees Fahrenheit
 NE = not established

TABLE 2
NPDES Effluent Monitoring Results
First Quarter 2011
SFPP, L.P.
Norwalk, California

Analyte	Sampling Frequency	Analysis Method	Units	ML ¹	Discharge Limits ²		January 11, 2011	January 31, 2011	February 4, 2011	February 9, 2011	February 15, 2011	March 22, 2011
					Monthly Average	Daily Maximum						
Temperature	Monthly	field	deg F	--	NE	86	64.3	--	--	--	--	57.8
Oil and Grease	Monthly	SM 5520B	mg/L	NE	10	15	ND (<0.95)	--	ND (<0.98)	--	--	ND(<0.97)
TPH-g	Monthly	EPA 8015B (M)	µg/L	NE	NE	100	ND (<6.0)	--	ND (<6.0)	--	--	ND(<6.0)
Settleable Solids	Monthly	SM 2540F	mL/L/hr	NE	0.1	0.3	ND (<0.11)	ND (<0.093)	ND (<0.10)	--	--	ND(<0.10)
Total Suspended Solids	Monthly	SM 2540D	mg/L	NE	50	75	ND (<10)	--	ND (<10)	--	--	ND(<10)
Phenol	Monthly	EPA 420.1	mg/L	0.050	0.3	NE	ND (<0.017)	--	ND (<0.017)	--	--	ND(<0.030)
Benzene	Monthly	EPA 8260B	µg/L	2.0	1	NE	ND (<0.075)	--	ND (<0.075)	--	--	ND(<0.075)
1,1-Dichloroethane	Monthly	EPA 8260B	µg/L	1.0	5	NE	ND (<0.099)	--	ND (<0.099)	--	--	ND(<0.099)
1,2-Dichloroethane	Monthly	EPA 8260B	µg/L	2.0	0.5	NE	ND (<0.17)	--	ND (<0.17)	--	--	ND(<0.17)
Ethylbenzene	Monthly	EPA 8260B	µg/L	2.0	10	NE	ND (<0.051)	--	ND (<0.051)	--	--	ND(<0.051)
Methyl ethyl ketone	Monthly	EPA 8260B	µg/L	NE	50	NE	ND (<1.0)	--	ND (<1.0)	--	--	ND(<1.0)
Toluene	Monthly	EPA 8260B	µg/L	2.0	10	NE	ND (<0.12)	--	ND (<0.12)	--	--	ND(<0.12)
Methyl tertiary-butyl ether	Monthly	EPA 8260B	µg/L	NE	13	NE	14.0	ND (<0.089)	0.59J	ND (<0.089)	ND (<0.089)	ND(<0.089)
Total Xylenes	Monthly	EPA 8260B	µg/L	NE	10	NE	ND (<0.17)	--	ND (<0.17)	--	--	ND(<0.17)
Copper	Monthly	EPA 6020	µg/L	0.5	22.28	44.70	0.37J	--	1.3	--	--	ND(<0.34)
Mercury	Monthly	EPA 7470A	µg/L	0.2	0.051	0.102	ND (<0.023)	--	ND (<0.023)	--	--	ND(<0.023)
Selenium	Monthly	EPA 6020	µg/L	2.0	4.1	8.2	0.24J	--	0.076J	--	--	ND(<0.025)
Chromium VI	Monthly	EPA 7199	µg/L	NE	8.12	16.29	ND (<0.028)	--	ND (<0.028)	--	--	ND(<0.028)
Lead	Quarterly	EPA 6020	µg/L	0.5	NE	15	ND (<0.053)	--	--	--	--	--
Turbidity	Quarterly	SM 2130B	NTU	NE	50	75	25	--	--	--	--	--
BOD	Annually	SM 5210B	mg/l	NE	20	30	ND (<5.0)	--	--	--	--	--
Nitrate + Nitrite as N	Annually	EPA 300	mg/l	NE	NE	NE	ND (<0.070)	--	--	--	--	--
Sulfides	Annually	SM 4500 S2-D	mg/l	NE	NE	NE	ND (<0.012)	--	--	--	--	--
Other Priority Pollutants	Annually	See Table 3	See Table 3	--	NE	NE	--	--	--	--	--	--

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.

Abbreviations

BOD = biological oxygen demand (5 days at 20 degrees Celsius)
deg F = degrees Fahrenheit
J = detected at a concentration below the RL and above the MDL. Reported value is estimated.
mg/L = milligrams per liter
µg/L = micrograms per liter
ML = minimum level. See note 1.
mL/L/hr = milliliters per liter per hour
NTU = nephelometric turbidity units
ND = not detected above the MDL listed
NE = not established
TPH-g = total petroleum hydrocarbons quantified as gasoline

TABLE 3
NPDES Effluent Monitoring Results
Remaining Priority Pollutants
January 11, 2011
SFPP, L.P.
Norwalk, California

Analyte	Analysis Method	Units	MDL	RL	ML ¹	Effluent Results
Acrolein	8260B	µg/L	4.3	20	5	ND
Acrylonitrile	8260B	µg/L	0.61	20	2	ND
Benzene	8260B	µg/L	0.075	1.0	2	ND
Bromodichloromethane	8260B	µg/L	0.063	1.0	NE	ND
Bromoform	8260B	µg/L	0.086	1.0	2	ND
Bromomethane	8260B	µg/L	0.13	1	2	ND
2-Butanone	8260B	µg/L	1.0	10	NE	ND
Carbon Tetrachloride	8260B	µg/L	0.10	1.0	2	ND
Chlorobenzene	8260B	µg/L	0.092	1.0	2	ND
Chloroethane	8260B	µg/L	0.14	1.0	2	ND
2-Chloroethyl Vinyl Ether	8260B	µg/L	0.14	1.0	1	ND
Chloroform	8260B	µg/L	0.058	1.0	2	ND
Chloromethane	8260B	µg/L	0.054	1.0	2	ND
Dibromochloromethane	8260B	µg/L	0.061	1.0	2	ND
1,2-Dichlorobenzene	8260B	µg/L	0.070	1.0	2	ND
1,3-Dichlorobenzene	8260B	µg/L	0.090	1.0	2	ND
1,4-Dichlorobenzene	8260B	µg/L	0.092	1.0	2	ND
1,1-Dichloroethane	8260B	µg/L	0.099	0.50	1	ND
1,2-Dichloroethane	8260B	µg/L	0.17	0.50	2	ND
t-1,2-Dichloroethene	8260B	µg/L	0.094	1.0	1	ND
1,3-Dichloropropane	8260B	µg/L	0.074	1.0	1	ND
c-1,3-Dichloropropene	8260B	µg/L	0.10	1.0	2	ND
t-1,3-Dichloropropene	8260B	µg/L	0.10	1.0	2	ND
Ethylbenzene	8260B	µg/L	0.051	1.0	2	ND
Methylene Chloride	8260B	µg/L	0.10	5.0	2	ND
1,1,2,2-Tetrachloroethane	8260B	µg/L	0.054	1.0	1	ND
Tetrachloroethene	8260B	µg/L	0.13	1.0	2	ND
Toluene	8260B	µg/L	0.12	2.5	2	ND
1,2,4-Trichlorobenzene	8260B	µg/L	0.12	1.0	5	ND
1,1,1-Trichloroethane	8260B	µg/L	0.068	1.0	2	ND
1,1,2-Trichloroethane	8260B	µg/L	0.083	1.0	2	ND
Trichloroethene	8260B	µg/L	0.060	1.0	2	ND
Vinyl Chloride	8260B	µg/L	0.12	1.0	2	ND
p/m-Xylene	8260B	µg/L	0.17	1.0	NE	ND
o-Xylene	8260B	µg/L	0.077	1.0	NE	ND
Methyl-t-Butyl Ether	8260B	µg/L	0.089	1.0	NE	14
1,2-Diphenylhydrazine	8270 C	µg/L	3.6	10	1	ND
1,3-Dichlorobenzene	8270 C	µg/L	5.0	10	1	ND
1,4-Dichlorobenzene	8270 C	µg/L	4.4	10	1	ND
2,4,6-Trichlorophenol	8270 C	µg/L	4.5	10	10	ND
2,4-Dichlorophenol	8270 C	µg/L	4.3	10	5	ND
2,4-Dimethylphenol	8270 C	µg/L	3.6	10	2	ND
2,4-Dinitrophenol	8270 C	µg/L	3.3	50	5	ND
2,4-Dinitrotoluene	8270 C	µg/L	3.8	10	5	ND
2,6-Dinitrotoluene	8270 C	µg/L	4.0	10	5	ND
2-Chloronaphthalene	8270 C	µg/L	4.0	10	10	ND
2-Chlorophenol	8270 C	µg/L	3.7	10	5	ND
2-Nitrophenol	8270 C	µg/L	4.7	10	10	ND
3,3'-Dichlorobenzidine	8270 C	µg/L	3.6	20	5	ND
4,6-Dinitro-2-Methylphenol	8270 C	µg/L	2.9	50	5	ND
4-Bromophenyl-Phenyl Ether	8270 C	µg/L	3.9	10	5	ND
4-Chloro-3-Methylphenol	8270 C	µg/L	3.4	50	1	ND

TABLE 3
NPDES Effluent Monitoring Results
Remaining Priority Pollutants
January 11, 2011
SFPP, L.P.
Norwalk, California

Analyte	Analysis Method	Units	MDL	RL	ML ¹	Effluent Results
4-Chlorophenyl-Phenyl Ether	8270 C	µg/L	3.5	10	5	ND
4-Nitrophenol	8270 C	µg/L	1.5	50	10	ND
Acenaphthene	8270 C	µg/L	4.2	10	1	ND
Acenaphthylene	8270 C	µg/L	3.9	10	10	ND
Anthracene	8270 C	µg/L	3.7	10	10	ND
Benidine	8270 C	µg/L	2.3	50	5	ND
Benzo (a) Anthracene	8270 C	µg/L	5.2	10	5	ND
Benzo (a) Pyrene	8270 C	µg/L	5.5	10	10	ND
Benzo (b) Fluoranthene	8270 C	µg/L	5.7	10	10	ND
Benzo (g,h,i) Perylene	8270 C	µg/L	5.8	10	5	ND
Benzo (k) Fluoranthene	8270 C	µg/L	5.4	10	10	ND
Bis(2-Chloroethoxy) Methane	8270 C	µg/L	4.6	10	5	ND
Bis(2-Chloroethyl) Ether	8270 C	µg/L	5.5	10	1	ND
Bis(2-Chloroisopropyl) Ether	8270 C	µg/L	4.3	10	2	ND
Bis(2-Ethylhexyl) Phthalate	8270 C	µg/L	2.7	10	5	ND
Butyl Benzyl Phthalate	8270 C	µg/L	3.4	10	10	ND
Chrysene	8270 C	µg/L	2.3	10	10	ND
Dibenz (a,h) Anthracene	8270 C	µg/L	5.7	10	10	ND
Diethyl Phthalate	8270 C	µg/L	3.3	10	2	ND
Dimethyl Phthalate	8270 C	µg/L	3.7	10	2	ND
Di-n-Butyl Phthalate	8270 C	µg/L	3.0	10	10	ND
Di-n-Octyl Phthalate	8270 C	µg/L	3.0	10	10	ND
Fluoranthene	8270 C	µg/L	3.1	10	1	ND
Fluorene	8270 C	µg/L	3.6	10	10	ND
Hexachloro-1,3-Butadiene	8270 C	µg/L	5.0	20	1	ND
Hexachlorobenzene	8270 C	µg/L	4.0	10	1	ND
Hexachlorocyclopentadiene	8270 C	µg/L	4.4	10	5	ND
Hexachloroethane	8270 C	µg/L	4.7	10	1	ND
Indeno (1,2,3-c,d) Pyrene	8270 C	µg/L	5.6	10	10	ND
Isophorone	8270 C	µg/L	4.4	10	1	ND
Naphthalene	8270 C	µg/L	4.5	10	1	ND
Nitrobenzene	8270 C	µg/L	4.6	10	1	ND
N-Nitrosodimethylamine	8270 C	µg/L	3.1	50	5	ND
N-Nitroso-di-n-propylamine	8270 C	µg/L	5.1	10	5	ND
N-Nitrosodiphenylamine	8270 C	µg/L	4.0	10	1	ND
Pentachlorophenol	8270 C	µg/L	3.0	50	5	ND
Phenanthrene	8270 C	µg/L	3.7	10	5	ND
Phenol	8270 C	µg/L	1.5	10	1	ND
Pyrene	8270 C	µg/L	3.2	10	10	ND
2,3,7,8-TCDD	8290	pg/L	2.3	50	NE	2.3J
Alpha-BHC	8081 A	µg/L	0.0045	0.025	0.01	ND
Gamma-BHC	8081 A	µg/L	0.0042	0.025	0.02	ND
Beta-BHC	8081 A	µg/L	0.0034	0.025	0.005	ND
Heptachlor	8081 A	µg/L	0.0049	0.025	0.01	ND
Delta-BHC	8081 A	µg/L	0.0042	0.025	0.005	ND
Aldrin	8081 A	µg/L	0.0042	0.025	0.005	ND
Heptachlor Epoxide	8081 A	µg/L	0.0048	0.025	0.01	ND
Endosulfan I	8081 A	µg/L	0.0037	0.025	0.02	ND
Dieldrin	8081 A	µg/L	0.0047	0.050	0.01	ND
4,4'-DDE	8081 A	µg/L	0.0050	0.050	0.05	ND
Endrin	8081 A	µg/L	0.0034	0.050	0.01	ND
Endrin Aldehyde	8081 A	µg/L	0.0042	0.050	0.01	ND

TABLE 3
NPDES Effluent Monitoring Results
Remaining Priority Pollutants
January 11, 2011
SFPP, L.P.
Norwalk, California

Analyte	Analysis Method	Units	MDL	RL	ML ¹	Effluent Results
4,4'-DDD	8081 A	µg/L	0.0050	0.050	0.05	ND
Endosulfan II	8081 A	µg/L	0.0045	0.050	0.01	ND
4,4'-DDT	8081 A	µg/L	0.0050	0.050	0.01	ND
Endosulfan Sulfate	8081 A	µg/L	0.0065	0.050	0.05	ND
Chlordane	8081 A	µg/L	0.041	0.25	0.1	ND
Toxaphene	8081 A	µg/L	0.26	2.5	0.5	ND
Aroclor-1016	8082	µg/L	0.070	0.50	0.5	ND
Aroclor-1221	8082	µg/L	0.23	1.0	0.5	ND
Aroclor-1232	8082	µg/L	0.12	0.50	0.5	ND
Aroclor-1242	8082	µg/L	0.13	0.50	0.5	ND
Aroclor-1248	8082	µg/L	0.070	0.50	0.5	ND
Aroclor-1254	8082	µg/L	0.070	0.50	0.5	ND
Aroclor-1260	8082	µg/L	0.050	0.50	0.5	ND
Cyanide (Total)	SM 4500-CN E	mg/L	0.0049	0.010	NE	ND
Antimony	6020B	µg/L	0.083	0.50	0.50	0.15J
Arsenic	6020B	µg/L	0.0025	0.10	2	29
Asbestos	100.2	MFL	--	0.2	NE	ND
Beryllium	6020B	µg/L	0.023	0.50	0.50	ND
Cadmium	6020B	µg/L	0.016	0.50	0.25	ND
Chromium (Total)	6020B	µg/L	0.16	0.50	0.50	0.66
Copper	6020B	µg/L	0.34	1.0	0.50	0.37J
Lead	6020B	µg/L	0.053	1.0	0.5	ND
Mercury	7470A	µg/L	0.023	0.050	0.2	ND
Nickel	6020B	µg/L	0.48	1.0	1	0.76J
Selenium	6020B	µg/L	0.025	0.50	2	0.24J
Silver	6020B	µg/L	0.013	0.50	0.25	ND
Thallium	6020B	µg/L	0.015	0.50	1	0.031J
Zinc	6020B	µg/L	3.5	10	1	4.4J

Notes

1. State Water Resources Control Board Policy for the Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California.

Abbreviations

- 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)
- MDL = laboratory method detection limit
- ML = minimum level
- mg/L = milligrams per liter
- µg/L = micrograms per liter
- ND = not detected above the MDL listed
- NE = not established
- MFL = millions of fibers per liter
- pg/L = picograms per liter
- RL = laboratory reporting limit

TABLE 4
NPDES Coyote Creek Monitoring Results
January 11, 2011
SFPP, L.P.
Norwalk, California

Analyte	Analysis Method	Units	MDL	RL	ML	R-001	R-002
Total Hardness	SM 2340 C	mg/L	3.3	8.0	NE	650	-- ¹
Cyanide (Total)	SM 4500-CN E	mg/L	0.0049	0.010	NE	ND	--
Chromium VI	7199	µg/L	0.028	0.20	NE	0.72	--
Dissolved Oxygen	Field	mg/L	--	--	NE	--	17.54
pH	Field	pH	--	--	NE	8.16	8.20
Temperature	Field	deg C	--	--	NE	--	57.63
Acrolein	8260B	µg/L	4.3	20	5	ND	--
Acrylonitrile	8260B	µg/L	0.61	20	2	ND	--
Benzene	8260B	µg/L	0.075	1.0	2	ND	--
Bromodichloromethane	8260B	µg/L	0.063	1.0	NE	ND	--
Bromoform	8260B	µg/L	0.086	1.0	2	ND	--
Bromomethane	8260B	µg/L	0.13	1	2	ND	--
2-Butanone	8260B	µg/L	1.0	10	NE	ND	--
Carbon Tetrachloride	8260B	µg/L	0.10	1.0	2	ND	--
Chlorobenzene	8260B	µg/L	0.092	1.0	2	ND	--
Chloroethane	8260B	µg/L	0.14	1.0	2	ND	--
2-Chloroethyl Vinyl Ether	8260B	µg/L	0.14	1.0	1	ND	--
Chloroform	8260B	µg/L	0.058	1.0	2	ND	--
Chloromethane	8260B	µg/L	0.054	1.0	2	ND	--
Dibromochloromethane	8260B	µg/L	0.061	1.0	2	ND	--
1,2-Dichlorobenzene	8260B	µg/L	0.070	1.0	2	ND	--
1,3-Dichlorobenzene	8260B	µg/L	0.090	1.0	2	ND	--
1,4-Dichlorobenzene	8260B	µg/L	0.092	1.0	2	ND	--
1,1-Dichloroethane	8260B	µg/L	0.099	0.50	1	ND	--
1,2-Dichloroethane	8260B	µg/L	0.17	0.50	2	ND	--
1,1-Dichloroethene	8260B	µg/L	0.094	1.0	2	ND	--
t-1,2-Dichloroethene	8260B	µg/L	0.094	1.0	1	ND	--
1,3-Dichloropropane	8260B	µg/L	0.074	1.0	1	ND	--
c-1,3-Dichloropropene	8260B	µg/L	0.10	1.0	2	ND	--
t-1,3-Dichloropropene	8260B	µg/L	0.10	1.0	2	ND	--
Ethylbenzene	8260B	µg/L	0.051	1.0	2	ND	--
Methylene Chloride	8260B	µg/L	0.10	5.0	2	ND	--
1,1,2,2-Tetrachloroethane	8260B	µg/L	0.054	1.0	1	ND	--
Tetrachloroethene	8260B	µg/L	0.13	1.0	2	ND	--
Toluene	8260B	µg/L	0.12	2.5	2	ND	--
1,2,4-Trichlorobenzene	8260B	µg/L	0.12	1.0	5	ND	--
1,1,1-Trichloroethane	8260B	µg/L	0.068	1.0	2	ND	--
1,1,2-Trichloroethane	8260B	µg/L	0.083	1.0	2	ND	--
Trichloroethene	8260B	µg/L	0.060	1.0	2	ND	--
Vinyl Chloride	8260B	µg/L	0.12	1.0	2	ND	--
p/m-Xylene	8260B	µg/L	0.17	1.0	NE	ND	--
o-Xylene	8260B	µg/L	0.077	1.0	NE	ND	--
Methyl-t-Butyl Ether	8260B	µg/L	0.089	1.0	NE	ND	--
N-Nitrosodimethylamine	8270 C	µg/L	3.1	50	5	ND	--
Phenol	8270 C	µg/L	1.5	10	1	ND	--
Bis(2-Chloroethyl) Ether	8270 C	µg/L	5.5	10	1	ND	--
2-Chlorophenol	8270 C	µg/L	3.7	10	5	ND	--
1,3-Dichlorobenzene	8270 C	µg/L	5.0	10	1	ND	--
1,4-Dichlorobenzene	8270 C	µg/L	4.4	10	1	ND	--
Bis(2-Chloroisopropyl) Ether	8270 C	µg/L	4.3	10	2	ND	--
N-Nitroso-di-n-propylamine	8270 C	µg/L	5.1	10	5	ND	--
Hexachloroethane	8270 C	µg/L	4.7	10	1	ND	--
Nitrobenzene	8270 C	µg/L	4.6	10	1	ND	--
Isophorone	8270 C	µg/L	4.4	10	1	ND	--
2-Nitrophenol	8270 C	µg/L	4.7	10	10	ND	--

TABLE 4
NPDES Coyote Creek Monitoring Results
January 11, 2011
SFPP, L.P.
Norwalk, California

Analyte	Analysis Method	Units	MDL	RL	ML	R-001	R-002
2,4-Dimethylphenol	8270 C	µg/L	3.6	10	2	ND	--
Bis(2-Chloroethoxy) Methane	8270 C	µg/L	4.6	10	5	ND	--
2,4-Dichlorophenol	8270 C	µg/L	4.3	10	5	ND	--
Naphthalene	8270 C	µg/L	4.5	10	1	ND	--
Hexachloro-1,3-Butadiene	8270 C	µg/L	5.0	20	1	ND	--
4-Chloro-3-Methylphenol	8270 C	µg/L	3.4	50	1	ND	--
Hexachlorocyclopentadiene	8270 C	µg/L	4.4	10	5	ND	--
2,4,6-Trichlorophenol	8270 C	µg/L	4.5	10	10	ND	--
2-Chloronaphthalene	8270 C	µg/L	4.0	10	10	ND	--
Dimethyl Phthalate	8270 C	µg/L	3.7	10	2	ND	--
Acenaphthylene	8270 C	µg/L	3.9	10	10	ND	--
Acenaphthene	8270 C	µg/L	4.2	10	1	ND	--
2,4-Dinitrophenol	8270 C	µg/L	3.3	50	5	ND	--
4-Nitrophenol	8270 C	µg/L	1.5	50	10	ND	--
2,4-Dinitrotoluene	8270 C	µg/L	3.8	10	5	ND	--
2,6-Dinitrotoluene	8270 C	µg/L	4.0	10	5	ND	--
Diethyl Phthalate	8270 C	µg/L	3.3	10	2	ND	--
4-Chlorophenyl-Phenyl Ether	8270 C	µg/L	3.5	10	5	ND	--
Fluorene	8270 C	µg/L	3.6	10	10	ND	--
4,6-Dinitro-2-Methylphenol	8270 C	µg/L	2.9	50	5	ND	--
N-Nitrosodiphenylamine	8270 C	µg/L	4.0	10	1	ND	--
4-Bromophenyl-Phenyl Ether	8270 C	µg/L	3.9	10	5	ND	--
Hexachlorobenzene	8270 C	µg/L	4.0	10	1	ND	--
Pentachlorophenol	8270 C	µg/L	3.0	50	5	ND	--
Phenanthrene	8270 C	µg/L	3.7	10	5	ND	--
Anthracene	8270 C	µg/L	3.7	10	10	ND	--
Di-n-Butyl Phthalate	8270 C	µg/L	3.0	10	10	ND	--
Fluoranthene	8270 C	µg/L	3.1	10	1	ND	--
Benzidine	8270 C	µg/L	2.3	50	5	ND	--
Pyrene	8270 C	µg/L	3.2	10	10	ND	--
Butyl Benzyl Phthalate	8270 C	µg/L	3.4	10	10	ND	--
3,3'-Dichlorobenzidine	8270 C	µg/L	3.6	20	5	ND	--
Benzo (a) Anthracene	8270 C	µg/L	5.2	10	5	ND	--
Bis(2-Ethylhexyl) Phthalate	8270 C	µg/L	2.7	10	5	ND	--
Chrysene	8270 C	µg/L	2.3	10	10	ND	--
Di-n-Octyl Phthalate	8270 C	µg/L	3.0	10	10	ND	--
Benzo (k) Fluoranthene	8270 C	µg/L	5.4	10	10	ND	--
Benzo (b) Fluoranthene	8270 C	µg/L	5.7	10	10	ND	--
Benzo (a) Pyrene	8270 C	µg/L	5.5	10	10	ND	--
Benzo (g,h,i) Perylene	8270 C	µg/L	5.8	10	5	ND	--
Indeno (1,2,3-c,d) Pyrene	8270 C	µg/L	5.6	10	10	ND	--
Dibenz (a,h) Anthracene	8270 C	µg/L	5.7	10	10	ND	--
1,2-Diphenylhydrazine	8270 C	µg/L	3.6	10.0	1	ND	--
2,3,7,8-TCDD	8290	pg/L	0.52	50.00	NE	0.52J	--
Alpha-BHC	8081A	µg/L	0.0045	0.025	0.01	ND	--
Gamma-BHC	8081A	µg/L	0.0042	0.025	0.02	ND	--
Beta-BHC	8081A	µg/L	0.0034	0.025	0.005	ND	--
Heptachlor	8081A	µg/L	0.0049	0.025	0.01	ND	--
Delta-BHC	8081A	µg/L	0.0042	0.025	0.005	ND	--
Aldrin	8081A	µg/L	0.0042	0.025	0.005	ND	--
Heptachlor Epoxide	8081A	µg/L	0.0048	0.025	0.01	ND	--
Endosulfan I	8081A	µg/L	0.0037	0.025	0.02	ND	--
Dieldrin	8081A	µg/L	0.0047	0.050	0.01	ND	--
4,4'-DDE	8081A	µg/L	0.0050	0.050	0.05	ND	--
Endrin	8081A	µg/L	0.0034	0.050	0.01	ND	--

TABLE 4
NPDES Coyote Creek Monitoring Results
January 11, 2011
SFPP, L.P.
Norwalk, California

Analyte	Analysis Method	Units	MDL	RL	ML	R-001	R-002
Endrin Aldehyde	8081A	µg/L	0.0042	0.050	0.01	ND	--
4,4'-DDD	8081A	µg/L	0.0050	0.050	0.05	ND	--
Endosulfan II	8081A	µg/L	0.0045	0.050	0.01	ND	--
4,4'-DDT	8081A	µg/L	0.0050	0.050	0.01	ND	--
Endosulfan Sulfate	8081A	µg/L	0.0065	0.050	0.05	ND	--
Chlordane	8081A	µg/L	0.041	0.25	0.1	ND	--
Toxaphene	8081A	µg/L	0.26	2.5	0.5	ND	--
Aroclor-1016	8082	µg/L	0.070	0.50	0.5	ND	--
Aroclor-1221	8082	µg/L	0.23	1.0	0.5	ND	--
Aroclor-1232	8082	µg/L	0.12	0.50	0.5	ND	--
Aroclor-1242	8082	µg/L	0.13	0.50	0.5	ND	--
Aroclor-1248	8082	µg/L	0.070	0.50	0.5	ND	--
Aroclor-1254	8082	µg/L	0.070	0.50	0.5	ND	--
Aroclor-1260	8082	µg/L	0.050	0.50	0.5	ND	--
Antimony	6010B	mg/L	0.083	0.50	0.050	0.38J	--
Arsenic	6010B	mg/L	0.0025	0.10	0.010	3.3	--
Asbestos	100.2	MFL	--	0.2	NE	ND	--
Beryllium	6010B	mg/L	0.023	0.50	0.002	ND	--
Cadmium	6010B	mg/L	0.016	0.50	0.010	0.14J	--
Chromium (Total)	6020	mg/L	0.16	0.50	0.010	0.77	--
Copper	6010B	mg/L	0.34	1.0	0.010	2.7	--
Lead	6010B	mg/L	0.053	1.0	0.005	0.20J	--
Mercury	7470A	mg/L	0.023	0.050	0.0002	0.027J	--
Nickel	6010B	mg/L	0.48	1.0	0.020	2.4	--
Selenium	6010B	mg/L	0.025	0.50	0.010	5.1	--
Silver	6010B	mg/L	0.013	0.50	0.010	ND	--
Thallium	6010B	mg/L	0.015	0.50	0.010	0.022J	--
Zinc	6010B	mg/L	3.5	10	0.020	12	--

Notes

1. -- = not analyzed.

Abbreviations

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

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)

MDL = laboratory method detection limit

ML = minimum level

mg/L = milligrams per liter

µg/L = micrograms per liter

ND = not-detected above the MDL listed

NE = not established

MFL = millions of fibers per liter

pg/L = picograms per liter

R-001 = 50 feet upstream of effluent discharge point into Coyote Creek

R-002 = 50 feet downstream of effluent discharge point into Coyote Creek

RL = laboratory reporting limit

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

January 26, 2011

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

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

Workorder No.: N005171

RE: SFPP - Norwalk Site

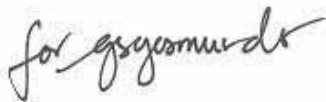
Attention: Daniel Jablonski

Enclosed are the results for sample(s) received on January 11, 2011 by Advanced Technology Laboratories, Inc. . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

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

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

Sincerely,



Jose Tenorio Jr.
Laboratory Director

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



*Advanced Technology
Laboratories*

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

CLIENT: CH2M HILL
Project: SFPP - Norwalk Site
Lab Order: N005171

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

Samples were received intact with proper chain of custody documentation.

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

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

Samples were analyzed within method holding time.

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

Subcontracted Analyses:

Cyanide (SM4500CN E), Settleable Matter (SM2540F), Phenols (EPA 420.1) and Hardness (SM2340C) were subcontracted to Advanced Technology Laboratories-Signal Hill, CA with ELAP cert#: 1838.

Asbestos was subcontracted to EMS Laboratories with ELAP cert#: 1119 .

BOD (SM5210B) was subcontracted to American Scientific Laboratories with ELAP Cert #2200.

EPA 8290 was subcontracted to APPL with ELAP Cert #1312.



CLIENT: CH2M HILL
Lab Order: N005171
Project: SFPP - Norwalk Site
Lab ID: N005171-001

Client Sample ID: EFF-
Collection Date: 1/11/2011 12:05:00 PM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ORGANOCHLORINE PESTICIDES BY GC/ECD

EPA 3510C

EPA 8081A

RunID:	QC Batch:	35989	PrepDate:	1/13/2011	Analyst:	MDM
4,4'-DDD	ND	0.0050	0.050	µg/L	1	1/17/2011 07:21 AM
4,4'-DDE	ND	0.0050	0.050	µg/L	1	1/17/2011 07:21 AM
4,4'-DDT	ND	0.0050	0.050	µg/L	1	1/17/2011 07:21 AM
Aldrin	ND	0.0042	0.025	µg/L	1	1/17/2011 07:21 AM
alpha-BHC	ND	0.0045	0.025	µg/L	1	1/17/2011 07:21 AM
beta-BHC	ND	0.0034	0.025	µg/L	1	1/17/2011 07:21 AM
Chlordane	ND	0.041	0.25	µg/L	1	1/17/2011 07:21 AM
delta-BHC	ND	0.0042	0.025	µg/L	1	1/17/2011 07:21 AM
Dieldrin	ND	0.0047	0.050	µg/L	1	1/17/2011 07:21 AM
Endosulfan I	ND	0.0037	0.025	µg/L	1	1/17/2011 07:21 AM
Endosulfan II	ND	0.0045	0.050	µg/L	1	1/17/2011 07:21 AM
Endosulfan sulfate	ND	0.0065	0.050	µg/L	1	1/17/2011 07:21 AM
Endrin	ND	0.0034	0.050	µg/L	1	1/17/2011 07:21 AM
Endrin aldehyde	ND	0.0042	0.050	µg/L	1	1/17/2011 07:21 AM
gamma-BHC	ND	0.0042	0.025	µg/L	1	1/17/2011 07:21 AM
Heptachlor	ND	0.0049	0.025	µg/L	1	1/17/2011 07:21 AM
Heptachlor epoxide	ND	0.0048	0.025	µg/L	1	1/17/2011 07:21 AM
Methoxychlor	ND	0.0036	0.25	µg/L	1	1/17/2011 07:21 AM
Toxaphene	ND	0.26	2.5	µg/L	1	1/17/2011 07:21 AM
Surr: Tetrachloro-m-xylene	50.4	0	33-138	%REC	1	1/17/2011 07:21 AM
Surr: Decachlorobiphenyl	84.7	0	29-135	%REC	1	1/17/2011 07:21 AM

PCBS BY GC/ECD

EPA 3510C

EPA 8082

RunID:	QC Batch:	35989	PrepDate:	1/13/2011	Analyst:	MDM
Aroclor 1016	ND	0.070	0.50	µg/L	1	1/14/2011 05:47 PM
Aroclor 1221	ND	0.23	1.0	µg/L	1	1/14/2011 05:47 PM
Aroclor 1232	ND	0.12	0.50	µg/L	1	1/14/2011 05:47 PM
Aroclor 1242	ND	0.13	0.50	µg/L	1	1/14/2011 05:47 PM
Aroclor 1248	ND	0.070	0.50	µg/L	1	1/14/2011 05:47 PM
Aroclor 1254	ND	0.070	0.50	µg/L	1	1/14/2011 05:47 PM
Aroclor 1260	ND	0.050	0.50	µg/L	1	1/14/2011 05:47 PM
Surr: Decachlorobiphenyl	105	0	29-133	%REC	1	1/14/2011 05:47 PM
Surr: Tetrachloro-m-xylene	52.3	0	50-120	%REC	1	1/14/2011 05:47 PM

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

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



CLIENT: CH2M HILL
Lab Order: N005171
Project: SFPP - Norwalk Site
Lab ID: N005171-001

Client Sample ID: EFF-
Collection Date: 1/11/2011 12:05:00 PM
Matrix: WATER

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

EPA 8015B

RunID: GC4_110119B	QC Batch: E11VW002					PrepDate:	Analyst: QBM
TPH-Gasoline	ND	6.0	100		µg/L	1	1/19/2011
Surr: Chlorobenzene - d5	109	0	74-138		%REC	1	1/19/2011

ANIONS BY ION CHROMATOGRAPHY

EPA 300.0

RunID: IC2_110112A	QC Batch: R78903					PrepDate:	Analyst: QBM
Nitrogen, Nitrite	ND	0.070	2.5		mg/L	5	1/12/2011 12:52 PM

ANIONS BY ION CHROMATOGRAPHY

EPA 300.0

RunID: IC2_110112A	QC Batch: R78903					PrepDate:	Analyst: QBM
Nitrogen, Nitrate (As N)	ND	0.011	0.50		mg/L	1	1/12/2011 11:05 AM

HEXAVALENT CHROMIUM BY IC

EPA 7199

RunID: IC1_110112A	QC Batch: R78750					PrepDate:	Analyst: QBM
Hexavalent Chromium	ND	0.028	0.20		µg/L	1	1/12/2011 10:04 AM

ICP-MS METALS

EPA 3010A

EPA 6020

RunID: ICP7_110112C	QC Batch: 35978					PrepDate:	1/12/2011	Analyst: JT
Antimony	0.15	0.083	0.50	J	µg/L	1	1/12/2011 02:44 PM	
Beryllium	ND	0.023	0.50		µg/L	1	1/19/2011	
Cadmium	ND	0.016	0.50		µg/L	1	1/12/2011 02:44 PM	
Chromium	0.66	0.16	0.50		µg/L	1	1/18/2011 02:00 PM	
Lead	ND	0.053	1.0		µg/L	1	1/12/2011	
Nickel	0.76	0.48	1.0	J	µg/L	1	1/12/2011 02:44 PM	
Silver	ND	0.013	0.50		µg/L	1	1/20/2011	
Thallium	0.031	0.015	0.50	J	µg/L	1	1/12/2011 02:44 PM	
Zinc	4.4	3.5	10	J	µg/L	1	1/18/2011 02:00 PM	

ICP-MS METALS BY COLLISION/REACTION CELL

EPA 3010A

EPA 6020

RunID: ICP7_110112A	QC Batch: 35978					PrepDate:	1/12/2011	Analyst: JT
Arsenic	29	0.0025	0.10		µg/L	1	1/12/2011	
Copper	0.37	0.34	1.0	J	µg/L	1	1/12/2011	

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

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



CLIENT: CH2M HILL
Lab Order: N005171
Project: SFPP - Norwalk Site
Lab ID: N005171-001

Client Sample ID: EFF-
Collection Date: 1/11/2011 12:05:00 PM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ICP-MS METALS BY COLLISION/REACTION CELL

EPA 3010A

EPA 6020

RunID: ICP7_110112A	QC Batch: 35978				PrepDate: 1/12/2011	Analyst: JT
Selenium	0.24	0.025	0.50	J,B	µg/L	1 1/12/2011

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7470A

RunID: AA1_110112A	QC Batch: 35980				PrepDate: 1/12/2011	Analyst: CEI
Mercury	ND	0.023	0.050		µg/L	1 1/12/2011

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID: MS3_110121A	QC Batch: 36017				PrepDate:	Analyst: JT
1,2-Diphenylhydrazine	ND	3.6	10		µg/L	1 1/21/2011 07:04 PM
1,3-Dichlorobenzene	ND	5.0	10		µg/L	1 1/21/2011 07:04 PM
1,4-Dichlorobenzene	ND	4.4	10		µg/L	1 1/21/2011 07:04 PM
2,4,6-Trichlorophenol	ND	4.5	10		µg/L	1 1/21/2011 07:04 PM
2,4-Dichlorophenol	ND	4.3	10		µg/L	1 1/21/2011 07:04 PM
2,4-Dimethylphenol	ND	3.6	10		µg/L	1 1/21/2011 07:04 PM
2,4-Dinitrophenol	ND	3.3	50		µg/L	1 1/21/2011 07:04 PM
2,4-Dinitrotoluene	ND	3.8	10		µg/L	1 1/21/2011 07:04 PM
2,6-Dinitrotoluene	ND	4.0	10		µg/L	1 1/21/2011 07:04 PM
2-Chloronaphthalene	ND	4.0	10		µg/L	1 1/21/2011 07:04 PM
2-Chlorophenol	ND	3.7	10		µg/L	1 1/21/2011 07:04 PM
2-Nitrophenol	ND	4.7	10		µg/L	1 1/21/2011 07:04 PM
3,3'-Dichlorobenzidine	ND	3.6	20		µg/L	1 1/21/2011 07:04 PM
4,6-Dinitro-2-methylphenol	ND	2.9	50		µg/L	1 1/21/2011 07:04 PM
4-Bromophenyl-phenylether	ND	3.9	10		µg/L	1 1/21/2011 07:04 PM
4-Chloro-3-methylphenol	ND	3.4	50		µg/L	1 1/21/2011 07:04 PM
4-Chlorophenyl-phenylether	ND	3.5	10		µg/L	1 1/21/2011 07:04 PM
4-Nitrophenol	ND	1.5	50		µg/L	1 1/21/2011 07:04 PM
Acenaphthene	ND	4.2	10		µg/L	1 1/21/2011 07:04 PM
Acenaphthylene	ND	3.9	10		µg/L	1 1/21/2011 07:04 PM
Anthracene	ND	3.7	10		µg/L	1 1/21/2011 07:04 PM
Benzidine (M)	ND	2.3	50		µg/L	1 1/21/2011 07:04 PM
Benzo(a)anthracene	ND	5.2	10		µg/L	1 1/21/2011 07:04 PM
Benzo(a)pyrene	ND	5.5	10		µg/L	1 1/21/2011 07:04 PM
Benzo(b)fluoranthene	ND	5.7	10		µg/L	1 1/21/2011 07:04 PM
Benzo(g,h,i)perylene	ND	5.8	10		µg/L	1 1/21/2011 07:04 PM

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



Advanced Technology Laboratories, Inc.

ANALYTICAL RESULTS

Print Date: 26-Jan-11

CLIENT: CH2M HILL
Lab Order: N005171
Project: SFPP - Norwalk Site
Lab ID: N005171-001

Client Sample ID: EFF-
Collection Date: 1/11/2011 12:05:00 PM
Matrix: WATER

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

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID:	MS3_110121A	QC Batch:	36017	PrepDate:	Analyst:	JT
Benzo(k)fluoranthene	ND	5.4	10	µg/L	1	1/21/2011 07:04 PM
Bis(2-chloroethoxy)methane	ND	4.6	10	µg/L	1	1/21/2011 07:04 PM
Bis(2-chloroethyl)ether	ND	5.5	10	µg/L	1	1/21/2011 07:04 PM
Bis(2-chloroisopropyl)ether	ND	4.3	10	µg/L	1	1/21/2011 07:04 PM
Bis(2-ethylhexyl)phthalate	ND	2.7	10	µg/L	1	1/21/2011 07:04 PM
Butylbenzylphthalate	ND	3.4	10	µg/L	1	1/21/2011 07:04 PM
Chrysene	ND	2.3	10	µg/L	1	1/21/2011 07:04 PM
Di-n-butylphthalate	ND	3.0	10	µg/L	1	1/21/2011 07:04 PM
Di-n-octylphthalate	ND	3.0	10	µg/L	1	1/21/2011 07:04 PM
Dibenz(a,h)anthracene	ND	5.7	10	µg/L	1	1/21/2011 07:04 PM
Diethylphthalate	ND	3.3	10	µg/L	1	1/21/2011 07:04 PM
Dimethylphthalate	ND	3.7	10	µg/L	1	1/21/2011 07:04 PM
Fluoranthene	ND	3.1	10	µg/L	1	1/21/2011 07:04 PM
Fluorene	ND	3.6	10	µg/L	1	1/21/2011 07:04 PM
Hexachlorobenzene	ND	4.0	10	µg/L	1	1/21/2011 07:04 PM
Hexachlorobutadiene	ND	5.0	20	µg/L	1	1/21/2011 07:04 PM
Hexachlorocyclopentadiene	ND	4.4	10	µg/L	1	1/21/2011 07:04 PM
Hexachloroethane	ND	4.7	10	µg/L	1	1/21/2011 07:04 PM
Indeno(1,2,3-cd)pyrene	ND	5.6	10	µg/L	1	1/21/2011 07:04 PM
Isophorone	ND	4.4	10	µg/L	1	1/21/2011 07:04 PM
N-Nitrosodi-n-propylamine	ND	5.1	10	µg/L	1	1/21/2011 07:04 PM
N-Nitrosodimethylamine	ND	3.1	50	µg/L	1	1/21/2011 07:04 PM
N-Nitrosodiphenylamine	ND	4.0	10	µg/L	1	1/21/2011 07:04 PM
Naphthalene	ND	4.5	10	µg/L	1	1/21/2011 07:04 PM
Nitrobenzene	ND	4.6	10	µg/L	1	1/21/2011 07:04 PM
Pentachlorophenol	ND	3.0	50	µg/L	1	1/21/2011 07:04 PM
Phenanthrene	ND	3.7	10	µg/L	1	1/21/2011 07:04 PM
Phenol	ND	1.5	10	µg/L	1	1/21/2011 07:04 PM
Pyrene	ND	3.2	10	µg/L	1	1/21/2011 07:04 PM
Surr: 1,2-Dichlorobenzene-d4	57.1	0	27-100	%REC	1	1/21/2011 07:04 PM
Surr: 2,4,6-Tribromophenol	53.8	0	42-124	%REC	1	1/21/2011 07:04 PM
Surr: 2-Chlorophenol-d4	47.2	0	34-98	%REC	1	1/21/2011 07:04 PM
Surr: 2-Fluorobiphenyl	62.4	0	48-120	%REC	1	1/21/2011 07:04 PM
Surr: 2-Fluorophenol	43.8	0	20-120	%REC	1	1/21/2011 07:04 PM
Surr: 4-Terphenyl-d14	89.8	0	51-135	%REC	1	1/21/2011 07:04 PM
Surr: Nitrobenzene-d5	62.3	0	41-120	%REC	1	1/21/2011 07:04 PM

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



*Advanced Technology
Laboratories*

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

Advanced Technology Laboratories, Inc.

ANALYTICAL RESULTS

Print Date: 26-Jan-11

CLIENT: CH2M HILL
Lab Order: N005171
Project: SFPP - Norwalk Site
Lab ID: N005171-001

Client Sample ID: EFF-
Collection Date: 1/11/2011 12:05:00 PM
Matrix: WATER

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

EPA 3510C

EPA 8270C

RunID: MS3_110121A	QC Batch: 36017				PrepDate:		Analyst: JT
Surr: Phenol-d5	45.0	0	20-120	%REC	1	1/21/2011 07:04 PM	

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_110120B	QC Batch: D11VW007				PrepDate:		Analyst: QBM
1,1,1-Trichloroethane	ND	0.068	1.0	µg/L	1	1/20/2011 11:38 AM	
1,1,2,2-Tetrachloroethane	ND	0.054	1.0	µg/L	1	1/20/2011 11:38 AM	
1,1,2-Trichloroethane	ND	0.083	1.0	µg/L	1	1/20/2011 11:38 AM	
1,1-Dichloroethane	ND	0.099	1.0	µg/L	1	1/20/2011 11:38 AM	
1,1-Dichloroethene	ND	0.094	1.0	µg/L	1	1/20/2011 11:38 AM	
1,2,4-Trichlorobenzene	ND	0.12	1.0	µg/L	1	1/20/2011 11:38 AM	
1,2-Dichlorobenzene	ND	0.070	1.0	µg/L	1	1/20/2011 11:38 AM	
1,2-Dichloroethane	ND	0.17	1.0	µg/L	1	1/20/2011 11:38 AM	
1,3-Dichlorobenzene	ND	0.090	1.0	µg/L	1	1/20/2011 11:38 AM	
1,3-Dichloropropane	ND	0.074	1.0	µg/L	1	1/20/2011 11:38 AM	
1,4-Dichlorobenzene	ND	0.092	1.0	µg/L	1	1/20/2011 11:38 AM	
2-Butanone	ND	1.0	10	µg/L	1	1/20/2011 11:38 AM	
2-Chloroethyl vinyl ether	ND	0.14	1.0	µg/L	1	1/20/2011 11:38 AM	
Acrolein	ND	4.3	20	µg/L	1	1/25/2011 10:48 PM	
Acrylonitrile	ND	0.61	20	µg/L	1	1/25/2011 10:48 PM	
Benzene	ND	0.075	1.0	µg/L	1	1/20/2011 11:38 AM	
Bromodichloromethane	ND	0.063	1.0	µg/L	1	1/20/2011 11:38 AM	
Bromoform	ND	0.086	1.0	µg/L	1	1/20/2011 11:38 AM	
Bromomethane	ND	0.13	1.0	µg/L	1	1/20/2011 11:38 AM	
Carbon tetrachloride	ND	0.10	1.0	µg/L	1	1/20/2011 11:38 AM	
Chlorobenzene	ND	0.092	1.0	µg/L	1	1/20/2011 11:38 AM	
Chloroethane	ND	0.14	1.0	µg/L	1	1/20/2011 11:38 AM	
Chloroform	ND	0.058	1.0	µg/L	1	1/20/2011 11:38 AM	
Chloromethane	ND	0.054	1.0	µg/L	1	1/20/2011 11:38 AM	
cis-1,2-Dichloroethene	ND	0.11	1.0	µg/L	1	1/20/2011 11:38 AM	
cis-1,3-Dichloropropene	ND	0.10	1.0	µg/L	1	1/20/2011 11:38 AM	
Dibromochloromethane	ND	0.061	1.0	µg/L	1	1/20/2011 11:38 AM	
Ethylbenzene	ND	0.051	1.0	µg/L	1	1/20/2011 11:38 AM	
Hexachlorobutadiene	ND	0.17	1.0	µg/L	1	1/20/2011 11:38 AM	
m,p-Xylene	ND	0.17	1.0	µg/L	1	1/20/2011 11:38 AM	
Methylene chloride	ND	0.10	5.0	µg/L	1	1/20/2011 11:38 AM	

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



*Advanced Technology
Laboratories*

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Advanced Technology Laboratories, Inc.

ANALYTICAL RESULTS

Print Date: 26-Jan-11

CLIENT: CH2M HILL
Lab Order: N005171
Project: SFPP - Norwalk Site
Lab ID: N005171-001

Client Sample ID: EFF-
Collection Date: 1/11/2011 12:05:00 PM
Matrix: WATER

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

EPA 8260B

RunID: MS1_110120B	QC Batch: D11VW007	PrepDate:	Analyst: QBM			
MTBE	14	0.089	1.0	µg/L	1	1/20/2011 11:38 AM
Naphthalene	ND	0.056	1.0	µg/L	1	1/20/2011 11:38 AM
o-Xylene	ND	0.077	1.0	µg/L	1	1/20/2011 11:38 AM
Tetrachloroethene	ND	0.13	1.0	µg/L	1	1/20/2011 11:38 AM
Toluene	ND	0.12	2.5	µg/L	1	1/20/2011 11:38 AM
trans-1,2-Dichloroethene	ND	0.094	1.0	µg/L	1	1/20/2011 11:38 AM
trans-1,3-Dichloropropene	ND	0.10	1.0	µg/L	1	1/20/2011 11:38 AM
Trichloroethene	ND	0.060	1.0	µg/L	1	1/20/2011 11:38 AM
Vinyl chloride	ND	0.12	1.0	µg/L	1	1/20/2011 11:38 AM
Surr: 1,2-Dichloroethane-d4	78.2	0	72-119	%REC	1	1/20/2011 11:38 AM
Surr: 4-Bromofluorobenzene	109	0	76-119	%REC	1	1/20/2011 11:38 AM
Surr: Dibromofluoromethane	85.2	0	85-115	%REC	1	1/20/2011 11:38 AM
Surr: Toluene-d8	110	0	81-120	%REC	1	1/20/2011 11:38 AM

SULFIDE, TOTAL

SM4500-S-2D

RunID: WETCHEM_110118A	QC Batch: R78826	PrepDate:	Analyst: JT			
Sulfide	ND	0.012	0.050	mg/L	1	1/18/2011

TOTAL NON-FILTERABLE RESIDUE

SM2540D

RunID: WETCHEM_110113A	QC Batch: 35987	PrepDate:	1/13/2011	Analyst: CEI		
Suspended Solids (Residue, Non-Filterable)	ND	10	10	mg/L	1	1/13/2011

OIL & GREASE

EPA 1664_HEM

RunID: WETCHEM_110118B	QC Batch: 36023	PrepDate:	1/18/2011	Analyst: QBM		
Oil & Grease	ND	0.95	4.1	mg/L	1	1/18/2011

TURBIDITY

EPA 180.1

RunID: WETCHEM_110112A	QC Batch: R78757	PrepDate:	Analyst: CEI			
Turbidity	25	0.10	0.10	NTU	1	1/12/2011

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



*Advanced Technology
Laboratories*

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

CLIENT: CH2M HILL
Lab Order: N005171
Project: SFPP - Norwalk Site
Lab ID: N005171-002

Client Sample ID: UCC-
Collection Date: 1/11/2011 12:30:00 PM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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ORGANOCHLORINE PESTICIDES BY GC/ECD

EPA 3510C

EPA 8081A

RunID:	QC Batch:			PrepDate:	1/13/2011	Analyst:	MDM
GC7_110117C	35989						
4,4'-DDD	ND	0.0050	0.050	µg/L	1	1/17/2011 07:49 AM	
4,4'-DDE	ND	0.0050	0.050	µg/L	1	1/17/2011 07:49 AM	
4,4'-DDT	ND	0.0050	0.050	µg/L	1	1/17/2011 07:49 AM	
Aldrin	ND	0.0042	0.025	µg/L	1	1/17/2011 07:49 AM	
alpha-BHC	ND	0.0045	0.025	µg/L	1	1/17/2011 07:49 AM	
beta-BHC	ND	0.0034	0.025	µg/L	1	1/17/2011 07:49 AM	
Chlordane	ND	0.041	0.25	µg/L	1	1/17/2011 07:49 AM	
delta-BHC	ND	0.0042	0.025	µg/L	1	1/17/2011 07:49 AM	
Dieldrin	ND	0.0047	0.050	µg/L	1	1/17/2011 07:49 AM	
Endosulfan I	ND	0.0037	0.025	µg/L	1	1/17/2011 07:49 AM	
Endosulfan II	ND	0.0045	0.050	µg/L	1	1/17/2011 07:49 AM	
Endosulfan sulfate	ND	0.0065	0.050	µg/L	1	1/17/2011 07:49 AM	
Endrin	ND	0.0034	0.050	µg/L	1	1/17/2011 07:49 AM	
Endrin aldehyde	ND	0.0042	0.050	µg/L	1	1/17/2011 07:49 AM	
gamma-BHC	ND	0.0042	0.025	µg/L	1	1/17/2011 07:49 AM	
Heptachlor	ND	0.0049	0.025	µg/L	1	1/17/2011 07:49 AM	
Heptachlor epoxide	ND	0.0048	0.025	µg/L	1	1/17/2011 07:49 AM	
Methoxychlor	ND	0.0036	0.25	µg/L	1	1/17/2011 07:49 AM	
Toxaphene	ND	0.26	2.5	µg/L	1	1/17/2011 07:49 AM	
Surr: Tetrachloro-m-xylene	61.9	0	33-138	%REC	1	1/17/2011 07:49 AM	
Surr: Decachlorobiphenyl	93.3	0	29-135	%REC	1	1/17/2011 07:49 AM	

PCBS BY GC/ECD

EPA 3510C

EPA 8082

RunID:	QC Batch:			PrepDate:	1/13/2011	Analyst:	MDM
GC7_110114B	35989						
Aroclor 1016	ND	0.070	0.50	µg/L	1	1/14/2011 06:11 PM	
Aroclor 1221	ND	0.23	1.0	µg/L	1	1/14/2011 06:11 PM	
Aroclor 1232	ND	0.12	0.50	µg/L	1	1/14/2011 06:11 PM	
Aroclor 1242	ND	0.13	0.50	µg/L	1	1/14/2011 06:11 PM	
Aroclor 1248	ND	0.070	0.50	µg/L	1	1/14/2011 06:11 PM	
Aroclor 1254	ND	0.070	0.50	µg/L	1	1/14/2011 06:11 PM	
Aroclor 1260	ND	0.050	0.50	µg/L	1	1/14/2011 06:11 PM	
Surr: Decachlorobiphenyl	107	0	29-133	%REC	1	1/14/2011 06:11 PM	
Surr: Tetrachloro-m-xylene	62.5	0	50-120	%REC	1	1/14/2011 06:11 PM	

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



CLIENT: CH2M HILL
Lab Order: N005171
Project: SFPP - Norwalk Site
Lab ID: N005171-002

Client Sample ID: UCC-
Collection Date: 1/11/2011 12:30:00 PM
Matrix: WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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HEXAVALENT CHROMIUM BY IC

EPA 7199

RunID: IC1_110112A	QC Batch: R78750				PrepDate:		Analyst: QBM
Hexavalent Chromium	0.72	0.028	0.20		µg/L	1	1/12/2011 10:13 AM

ICP-MS METALS

EPA 3010A

EPA 6020

RunID: ICP7_110112C	QC Batch: 35978				PrepDate:	1/12/2011	Analyst: JT
Antimony	0.38	0.083	0.50	J	µg/L	1	1/12/2011 03:10 PM
Beryllium	ND	0.023	0.50		µg/L	1	1/19/2011
Cadmium	0.14	0.016	0.50	J	µg/L	1	1/12/2011 03:10 PM
Chromium	0.77	0.16	0.50		µg/L	1	1/18/2011 02:16 PM
Lead	0.20	0.053	1.0	J	µg/L	1	1/12/2011
Nickel	2.4	0.48	1.0		µg/L	1	1/12/2011 03:10 PM
Silver	ND	0.013	0.50		µg/L	1	1/20/2011
Thallium	0.022	0.015	0.50	J	µg/L	1	1/12/2011 03:10 PM
Zinc	12	3.5	10		µg/L	1	1/18/2011 02:16 PM

ICP-MS METALS BY COLLISION/REACTION CELL

EPA 3010A

EPA 6020

RunID: ICP7_110112A	QC Batch: 35978				PrepDate:	1/12/2011	Analyst: JT
Arsenic	3.3	0.0025	0.10		µg/L	1	1/12/2011
Copper	2.7	0.34	1.0		µg/L	1	1/12/2011
Selenium	5.1	0.025	0.50		µg/L	1	1/12/2011

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7470A

RunID: AA1_110112A	QC Batch: 35980				PrepDate:	1/12/2011	Analyst: CEI
Mercury	0.027	0.023	0.050	J,B	µg/L	1	1/12/2011

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3510C

EPA 8270C

RunID: MS3_110121A	QC Batch: 36017				PrepDate:		Analyst: JT
1,2-Diphenylhydrazine	ND	3.6	10		µg/L	1	1/21/2011 07:32 PM
1,3-Dichlorobenzene	ND	5.0	10		µg/L	1	1/21/2011 07:32 PM
1,4-Dichlorobenzene	ND	4.4	10		µg/L	1	1/21/2011 07:32 PM
2,4,6-Trichlorophenol	ND	4.5	10		µg/L	1	1/21/2011 07:32 PM
2,4-Dichlorophenol	ND	4.3	10		µg/L	1	1/21/2011 07:32 PM
2,4-Dimethylphenol	ND	3.6	10		µg/L	1	1/21/2011 07:32 PM

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

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



Advanced Technology Laboratories, Inc.

ANALYTICAL RESULTS

Print Date: 26-Jan-11

CLIENT: CH2M HILL
Lab Order: N005171
Project: SFPP - Norwalk Site
Lab ID: N005171-002

Client Sample ID: UCC-
Collection Date: 1/11/2011 12:30:00 PM
Matrix: WATER

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

EPA 3510C

EPA 8270C

RunID:	MS3_110121A	QC Batch:	36017	PrepDate:	Analyst:	JT
2,4-Dinitrophenol	ND	3.3	50	µg/L	1	1/21/2011 07:32 PM
2,4-Dinitrotoluene	ND	3.8	10	µg/L	1	1/21/2011 07:32 PM
2,6-Dinitrotoluene	ND	4.0	10	µg/L	1	1/21/2011 07:32 PM
2-Chloronaphthalene	ND	4.0	10	µg/L	1	1/21/2011 07:32 PM
2-Chlorophenol	ND	3.7	10	µg/L	1	1/21/2011 07:32 PM
2-Nitrophenol	ND	4.7	10	µg/L	1	1/21/2011 07:32 PM
3,3'-Dichlorobenzidine	ND	3.6	20	µg/L	1	1/21/2011 07:32 PM
4,6-Dinitro-2-methylphenol	ND	2.9	50	µg/L	1	1/21/2011 07:32 PM
4-Bromophenyl-phenylether	ND	3.9	10	µg/L	1	1/21/2011 07:32 PM
4-Chloro-3-methylphenol	ND	3.4	50	µg/L	1	1/21/2011 07:32 PM
4-Chlorophenyl-phenylether	ND	3.5	10	µg/L	1	1/21/2011 07:32 PM
4-Nitrophenol	ND	1.5	50	µg/L	1	1/21/2011 07:32 PM
Acenaphthene	ND	4.2	10	µg/L	1	1/21/2011 07:32 PM
Acenaphthylene	ND	3.9	10	µg/L	1	1/21/2011 07:32 PM
Anthracene	ND	3.7	10	µg/L	1	1/21/2011 07:32 PM
Benzidine (M)	ND	2.3	50	µg/L	1	1/21/2011 07:32 PM
Benzo(a)anthracene	ND	5.2	10	µg/L	1	1/21/2011 07:32 PM
Benzo(a)pyrene	ND	5.5	10	µg/L	1	1/21/2011 07:32 PM
Benzo(b)fluoranthene	ND	5.7	10	µg/L	1	1/21/2011 07:32 PM
Benzo(g,h,i)perylene	ND	5.8	10	µg/L	1	1/21/2011 07:32 PM
Benzo(k)fluoranthene	ND	5.4	10	µg/L	1	1/21/2011 07:32 PM
Bis(2-chloroethoxy)methane	ND	4.6	10	µg/L	1	1/21/2011 07:32 PM
Bis(2-chloroethyl)ether	ND	5.5	10	µg/L	1	1/21/2011 07:32 PM
Bis(2-chloroisopropyl)ether	ND	4.3	10	µg/L	1	1/21/2011 07:32 PM
Bis(2-ethylhexyl)phthalate	ND	2.7	10	µg/L	1	1/21/2011 07:32 PM
Butylbenzylphthalate	ND	3.4	10	µg/L	1	1/21/2011 07:32 PM
Chrysene	ND	2.3	10	µg/L	1	1/21/2011 07:32 PM
Di-n-butylphthalate	ND	3.0	10	µg/L	1	1/21/2011 07:32 PM
Di-n-octylphthalate	ND	3.0	10	µg/L	1	1/21/2011 07:32 PM
Dibenz(a,h)anthracene	ND	5.7	10	µg/L	1	1/21/2011 07:32 PM
Diethylphthalate	ND	3.3	10	µg/L	1	1/21/2011 07:32 PM
Dimethylphthalate	ND	3.7	10	µg/L	1	1/21/2011 07:32 PM
Fluoranthene	ND	3.1	10	µg/L	1	1/21/2011 07:32 PM
Fluorene	ND	3.6	10	µg/L	1	1/21/2011 07:32 PM
Hexachlorobenzene	ND	4.0	10	µg/L	1	1/21/2011 07:32 PM
Hexachlorobutadiene	ND	5.0	20	µg/L	1	1/21/2011 07:32 PM

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



Advanced Technology
Laboratories

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

CLIENT: CH2M HILL
Lab Order: N005171
Project: SFPP - Norwalk Site
Lab ID: N005171-002

Client Sample ID: UCC-
Collection Date: 1/11/2011 12:30:00 PM
Matrix: WATER

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

EPA 3510C

EPA 8270C

RunID:	MS3_110121A	QC Batch:	36017	PrepDate:	Analyst:	JT
Hexachlorocyclopentadiene	ND	4.4	10	µg/L	1	1/21/2011 07:32 PM
Hexachloroethane	ND	4.7	10	µg/L	1	1/21/2011 07:32 PM
Indeno(1,2,3-cd)pyrene	ND	5.6	10	µg/L	1	1/21/2011 07:32 PM
Isophorone	ND	4.4	10	µg/L	1	1/21/2011 07:32 PM
N-Nitrosodi-n-propylamine	ND	5.1	10	µg/L	1	1/21/2011 07:32 PM
N-Nitrosodimethylamine	ND	3.1	50	µg/L	1	1/21/2011 07:32 PM
N-Nitrosodiphenylamine	ND	4.0	10	µg/L	1	1/21/2011 07:32 PM
Naphthalene	ND	4.5	10	µg/L	1	1/21/2011 07:32 PM
Nitrobenzene	ND	4.6	10	µg/L	1	1/21/2011 07:32 PM
Pentachlorophenol	ND	3.0	50	µg/L	1	1/21/2011 07:32 PM
Phenanthrene	ND	3.7	10	µg/L	1	1/21/2011 07:32 PM
Phenol	ND	1.5	10	µg/L	1	1/21/2011 07:32 PM
Pyrene	ND	3.2	10	µg/L	1	1/21/2011 07:32 PM
Surr: 1,2-Dichlorobenzene-d4	52.9	0	27-100	%REC	1	1/21/2011 07:32 PM
Surr: 2,4,6-Tribromophenol	84.3	0	42-124	%REC	1	1/21/2011 07:32 PM
Surr: 2-Chlorophenol-d4	54.3	0	34-98	%REC	1	1/21/2011 07:32 PM
Surr: 2-Fluorobiphenyl	54.8	0	48-120	%REC	1	1/21/2011 07:32 PM
Surr: 2-Fluorophenol	49.9	0	20-120	%REC	1	1/21/2011 07:32 PM
Surr: 4-Terphenyl-d14	85.9	0	51-135	%REC	1	1/21/2011 07:32 PM
Surr: Nitrobenzene-d5	56.4	0	41-120	%REC	1	1/21/2011 07:32 PM
Surr: Phenol-d5	46.5	0	20-120	%REC	1	1/21/2011 07:32 PM

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS1_110120B	QC Batch:	D11VW007	PrepDate:	Analyst:	QBM
1,1,1-Trichloroethane	ND	0.068	1.0	µg/L	1	1/20/2011 12:01 PM
1,1,2,2-Tetrachloroethane	ND	0.054	1.0	µg/L	1	1/20/2011 12:01 PM
1,1,2-Trichloroethane	ND	0.083	1.0	µg/L	1	1/20/2011 12:01 PM
1,1-Dichloroethane	ND	0.099	1.0	µg/L	1	1/20/2011 12:01 PM
1,1-Dichloroethene	ND	0.094	1.0	µg/L	1	1/20/2011 12:01 PM
1,2,4-Trichlorobenzene	ND	0.12	1.0	µg/L	1	1/20/2011 12:01 PM
1,2-Dichlorobenzene	ND	0.070	1.0	µg/L	1	1/20/2011 12:01 PM
1,2-Dichloroethane	ND	0.17	1.0	µg/L	1	1/20/2011 12:01 PM
1,3-Dichlorobenzene	ND	0.090	1.0	µg/L	1	1/20/2011 12:01 PM
1,3-Dichloropropane	ND	0.074	1.0	µg/L	1	1/20/2011 12:01 PM
1,4-Dichlorobenzene	ND	0.092	1.0	µg/L	1	1/20/2011 12:01 PM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
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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



Advanced Technology Laboratories, Inc.

ANALYTICAL RESULTS

Print Date: 26-Jan-11

CLIENT: CH2M HILL
Lab Order: N005171
Project: SFPP - Norwalk Site
Lab ID: N005171-002

Client Sample ID: UCC-
Collection Date: 1/11/2011 12:30:00 PM
Matrix: WATER

Analyses Result MDL PQL Qual Units DF Date Analyzed

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_110120B	QC Batch: D11VW007	PrepDate:	Analyst: QBM			
2-Butanone	ND	1.0	10	µg/L	1	1/20/2011 12:01 PM
2-Chloroethyl vinyl ether	ND	0.14	1.0	µg/L	1	1/20/2011 12:01 PM
Acrolein	ND	4.3	20	µg/L	1	1/25/2011 10:04 PM
Acrylonitrile	ND	0.61	20	µg/L	1	1/25/2011 10:04 PM
Benzene	ND	0.075	1.0	µg/L	1	1/20/2011 12:01 PM
Bromodichloromethane	ND	0.063	1.0	µg/L	1	1/20/2011 12:01 PM
Bromoform	ND	0.086	1.0	µg/L	1	1/20/2011 12:01 PM
Bromomethane	ND	0.13	1.0	µg/L	1	1/20/2011 12:01 PM
Carbon tetrachloride	ND	0.10	1.0	µg/L	1	1/20/2011 12:01 PM
Chlorobenzene	ND	0.092	1.0	µg/L	1	1/20/2011 12:01 PM
Chloroethane	ND	0.14	1.0	µg/L	1	1/20/2011 12:01 PM
Chloroform	ND	0.058	1.0	µg/L	1	1/20/2011 12:01 PM
Chloromethane	ND	0.054	1.0	µg/L	1	1/20/2011 12:01 PM
cis-1,2-Dichloroethene	ND	0.11	1.0	µg/L	1	1/20/2011 12:01 PM
cis-1,3-Dichloropropene	ND	0.10	1.0	µg/L	1	1/20/2011 12:01 PM
Dibromochloromethane	ND	0.061	1.0	µg/L	1	1/20/2011 12:01 PM
Ethylbenzene	ND	0.051	1.0	µg/L	1	1/20/2011 12:01 PM
Hexachlorobutadiene	ND	0.17	1.0	µg/L	1	1/20/2011 12:01 PM
m,p-Xylene	ND	0.17	1.0	µg/L	1	1/20/2011 12:01 PM
Methylene chloride	ND	0.10	5.0	µg/L	1	1/20/2011 12:01 PM
MTBE	ND	0.089	1.0	µg/L	1	1/20/2011 12:01 PM
Naphthalene	ND	0.056	1.0	µg/L	1	1/20/2011 12:01 PM
o-Xylene	ND	0.077	1.0	µg/L	1	1/20/2011 12:01 PM
Tetrachloroethene	ND	0.13	1.0	µg/L	1	1/20/2011 12:01 PM
Toluene	ND	0.12	2.5	µg/L	1	1/20/2011 12:01 PM
trans-1,2-Dichloroethene	ND	0.094	1.0	µg/L	1	1/20/2011 12:01 PM
trans-1,3-Dichloropropene	ND	0.10	1.0	µg/L	1	1/20/2011 12:01 PM
Trichloroethene	ND	0.060	1.0	µg/L	1	1/20/2011 12:01 PM
Vinyl chloride	ND	0.12	1.0	µg/L	1	1/20/2011 12:01 PM
Surr: 1,2-Dichloroethane-d4	81.6	0	72-119	%REC	1	1/20/2011 12:01 PM
Surr: 4-Bromofluorobenzene	111	0	76-119	%REC	1	1/20/2011 12:01 PM
Surr: Dibromofluoromethane	88.4	0	85-115	%REC	1	1/20/2011 12:01 PM
Surr: Toluene-d8	112	0	81-120	%REC	1	1/20/2011 12:01 PM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
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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



*Advanced Technology
Laboratories*

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N005171
Project: SFPP - Norwalk Site

TestCode: 160.2_2540D_W

Sample ID: MB-35987	SampType: MBLK	TestCode: 160.2_2540D_	Units: mg/L	Prep Date: 1/13/2011	RunNo: 78772						
Client ID: PBW	Batch ID: 35987	TestNo: SM2540D		Analysis Date: 1/13/2011	SeqNo: 1236665						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter)	ND	10									

Sample ID: LCS-35987	SampType: LCS	TestCode: 160.2_2540D_	Units: mg/L	Prep Date: 1/13/2011	RunNo: 78772						
Client ID: LCSW	Batch ID: 35987	TestNo: SM2540D		Analysis Date: 1/13/2011	SeqNo: 1236668						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter)	998.000	10	1000	0	99.8	80	120				

Sample ID: N005171-001A-DU	SampType: DUP	TestCode: 160.2_2540D_	Units: mg/L	Prep Date: 1/13/2011	RunNo: 78772						
Client ID: ZZZZZ	Batch ID: 35987	TestNo: SM2540D		Analysis Date: 1/13/2011	SeqNo: 1236670						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter)	ND	10									

Qualifiers:

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



ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N005171
Project: SFPP - Norwalk Site

TestCode: 1664_HEM_W

Sample ID: MB-36023	SampType: MBLK	TestCode: 1664_HEM_W	Units: mg/L	Prep Date: 1/18/2011	RunNo: 78831
Client ID: PBW	Batch ID: 36023	TestNo: EPA 1664_H		Analysis Date: 1/18/2011	SeqNo: 1237645
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
	ND	4.0			
Oil & Grease			LowLimit	HighLimit	RPD Ref Val
					%RPD
					RPDLimit
					Qual

Sample ID: LCS-36023	SampType: LCS	TestCode: 1664_HEM_W	Units: mg/L	Prep Date: 1/18/2011	RunNo: 78831
Client ID: LCSW	Batch ID: 36023	TestNo: EPA 1664_H		Analysis Date: 1/18/2011	SeqNo: 1237646
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
	36.800	4.0	40.00	0	92.0
Oil & Grease			LowLimit	HighLimit	RPD Ref Val
					%RPD
					RPDLimit
					Qual

Sample ID: N005159-001C-MS	SampType: MS	TestCode: 1664_HEM_W	Units: mg/L	Prep Date: 1/18/2011	RunNo: 78831
Client ID: ZZZZZZ	Batch ID: 36023	TestNo: EPA 1664_H		Analysis Date: 1/18/2011	SeqNo: 1237653
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
	38.736	4.6	45.98	0	84.2
Oil & Grease			LowLimit	HighLimit	RPD Ref Val
					%RPD
					RPDLimit
					Qual

Sample ID: N005159-001C-MSD	SampType: MSD	TestCode: 1664_HEM_W	Units: mg/L	Prep Date: 1/18/2011	RunNo: 78831
Client ID: ZZZZZZ	Batch ID: 36023	TestNo: EPA 1664_H		Analysis Date: 1/18/2011	SeqNo: 1237654
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
	38.706	4.7	47.06	0	82.3
Oil & Grease			LowLimit	HighLimit	RPD Ref Val
					%RPD
					RPDLimit
					Qual

Qualifiers:

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



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ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N005171
Project: SEPP - Norwalk Site

TestCode: 180.1_W

Sample ID: MB-R78757	SampType: MBLK	TestCode: 180.1_W	Units: NTU	Prep Date:	RunNo: 78757						
Client ID: PBW	Batch ID: R78757	TestNo: EPA 180.1		Analysis Date: 1/12/2011	SeqNo: 1236177						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	ND	0.10									

Sample ID: N005171-001A-DUP	SampType: DUP	TestCode: 180.1_W	Units: NTU	Prep Date:	RunNo: 78757						
Client ID: ZZZZZZ	Batch ID: R78757	TestNo: EPA 180.1		Analysis Date: 1/12/2011	SeqNo: 1236180						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	25.300	0.10						25.00	1.19		30

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N005171
Project: SEPP - Norwalk Site

TestCode: 300_W_NO2PGE

Sample ID: MB-R78903_NO2	SampType: MBLK	TestCode: 300_W_NO2P	Units: mg/L	Prep Date:	RunNo: 78903
Client ID: PBW	Batch ID: R78903	TestNo: EPA 300.0		Analysis Date: 1/12/2011	SeqNo: 1239186
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Nitrogen, Nitrite	ND	0.50			
			LowLimit	HighLimit	RPD Ref Val
					%RPD
					RPDLimit
					Qual

Sample ID: LCS-R78903_NO2	SampType: LCS	TestCode: 300_W_NO2P	Units: mg/L	Prep Date:	RunNo: 78903
Client ID: LCSW	Batch ID: R78903	TestNo: EPA 300.0		Analysis Date: 1/12/2011	SeqNo: 1239187
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Nitrogen, Nitrite	2.398	0.50	2.500	0	95.9
				90	110

Sample ID: N005171-001ADUP	SampType: DUP	TestCode: 300_W_NO2P	Units: mg/L	Prep Date:	RunNo: 78903
Client ID: ZZZZZ	Batch ID: R78903	TestNo: EPA 300.0		Analysis Date: 1/12/2011	SeqNo: 1239191
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Nitrogen, Nitrite	ND	2.5			
				0	0
					20

Sample ID: N005171-001AMS	SampType: MS	TestCode: 300_W_NO2P	Units: mg/L	Prep Date:	RunNo: 78903
Client ID: ZZZZZ	Batch ID: R78903	TestNo: EPA 300.0		Analysis Date: 1/12/2011	SeqNo: 1239192
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Nitrogen, Nitrite	13.840	2.5	12.50	0	111
				80	120

Sample ID: N005171-001AMSD	SampType: MSD	TestCode: 300_W_NO2P	Units: mg/L	Prep Date:	RunNo: 78903
Client ID: ZZZZZ	Batch ID: R78903	TestNo: EPA 300.0		Analysis Date: 1/12/2011	SeqNo: 1239193
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Nitrogen, Nitrite	13.895	2.5	12.50	0	111
				80	120

Sample ID: N005171-001AMSD	SampType: MSD	TestCode: 300_W_NO2P	Units: mg/L	Prep Date:	RunNo: 78903
Client ID: ZZZZZ	Batch ID: R78903	TestNo: EPA 300.0		Analysis Date: 1/12/2011	SeqNo: 1239193
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Nitrogen, Nitrite	13.895	2.5	12.50	0	111
				80	120

Qualifiers:

- B Analyte detected in the associated Method Blank
 - J Analyte detected below quantitation limits
 - S Spike/Surrogate outside of limits due to matrix interference
 - E Value above quantitation range
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 - H Holding times for preparation or analysis exceeded
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Advanced Technology Laboratories
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ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N005171
Project: SEPP - Norwalk Site

TestCode: 300_W_NO3PGE

Sample ID: MB-R78903_NO3	SampType: MBLK	TestCode: 300_W_NO3P	Units: mg/L	Prep Date:	RunNo: 78903						
Client ID: PBW	Batch ID: R78903	TestNo: EPA 300.0		Analysis Date: 1/12/2011	SeqNo: 1239198						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrate (As N)	ND	0.50									

Sample ID: LCS-R78903_NO3	SampType: LCS	TestCode: 300_W_NO3P	Units: mg/L	Prep Date:	RunNo: 78903						
Client ID: LCSW	Batch ID: R78903	TestNo: EPA 300.0		Analysis Date: 1/12/2011	SeqNo: 1239199						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrate (As N)	2.406	0.50	2.500	0	96.2	90	110				

Sample ID: N005171-001ADUP	SampType: DUP	TestCode: 300_W_NO3P	Units: mg/L	Prep Date:	RunNo: 78903						
Client ID: ZZZZZ	Batch ID: R78903	TestNo: EPA 300.0		Analysis Date: 1/12/2011	SeqNo: 1239201						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrate (As N)	ND	0.50				0	0	20			

Sample ID: N005171-001AMS	SampType: MS	TestCode: 300_W_NO3P	Units: mg/L	Prep Date:	RunNo: 78903						
Client ID: ZZZZZ	Batch ID: R78903	TestNo: EPA 300.0		Analysis Date: 1/12/2011	SeqNo: 1239202						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrate (As N)	2.469	0.50	2.500	0	98.8	80	120				

Sample ID: N005171-001AMSD	SampType: MSD	TestCode: 300_W_NO3P	Units: mg/L	Prep Date:	RunNo: 78903						
Client ID: ZZZZZ	Batch ID: R78903	TestNo: EPA 300.0		Analysis Date: 1/12/2011	SeqNo: 1239203						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrate (As N)	2.370	0.50	2.500	0	94.8	80	120	2.469	4.09		

Qualifiers:

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



ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N005171
Project: SEPP - Norwalk Site

TestCode: 376.2_4500S-2D_W_T

Sample ID: MB-R78826	SampType: MBLK	TestCode: 376.2_4500S-	Units: mg/L	Prep Date:	RunNo: 78826						
Client ID: PBW	Batch ID: R78826	TestNo: SM4500-S-2D		Analysis Date: 1/18/2011	SeqNo: 1237582						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide	ND	0.050									

Sample ID: LCS-R78826	SampType: LCS	TestCode: 376.2_4500S-	Units: mg/L	Prep Date:	RunNo: 78826						
Client ID: LCSW	Batch ID: R78826	TestNo: SM4500-S-2D		Analysis Date: 1/18/2011	SeqNo: 1237583						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide	0.960	0.050	1.000	0	96.0	80	120				

Sample ID: N005171-001DMS	SampType: MS	TestCode: 376.2_4500S-	Units: mg/L	Prep Date:	RunNo: 78826						
Client ID: ZZZZZ	Batch ID: R78826	TestNo: SM4500-S-2D		Analysis Date: 1/18/2011	SeqNo: 1237585						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide	1.002	0.050	1.000	0	100	70	120				

Sample ID: N005171-001DMSD	SampType: MSD	TestCode: 376.2_4500S-	Units: mg/L	Prep Date:	RunNo: 78826						
Client ID: ZZZZZ	Batch ID: R78826	TestNo: SM4500-S-2D		Analysis Date: 1/18/2011	SeqNo: 1237586						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide	0.960	0.050	1.000	0	96.0	70	120	1.002	4.28	20	

Qualifiers:

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



ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N005171
Project: SFP - Norwalk Site

TestCode: 6020_W

Sample ID: MB-35978	SampType: MBLK	TestCode: 6020_W	Units: µg/L	Prep Date: 1/12/2011	RunNo: 78768						
Client ID: PBW	Batch ID: 35978	TestNo: EPA 6020	EPA 3010A	Analysis Date: 1/12/2011	SeqNo: 1236541						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: LCS-35978	SampType: LCS	TestCode: 6020_W	Units: µg/L	Prep Date: 1/12/2011	RunNo: 78768						
Client ID: LCSW	Batch ID: 35978	TestNo: EPA 6020	EPA 3010A	Analysis Date: 1/12/2011	SeqNo: 1236542						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.442	1.0	10.00	0	94.4	85	115				

Sample ID: N005171-001J-MS	SampType: MS	TestCode: 6020_W	Units: µg/L	Prep Date: 1/12/2011	RunNo: 78768						
Client ID: ZZZZZ	Batch ID: 35978	TestNo: EPA 6020	EPA 3010A	Analysis Date: 1/12/2011	SeqNo: 1236546						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.622	1.0	10.00	0	96.2	75	125				

Sample ID: N005171-001J-MSD	SampType: MSD	TestCode: 6020_W	Units: µg/L	Prep Date: 1/12/2011	RunNo: 78768						
Client ID: ZZZZZ	Batch ID: 35978	TestNo: EPA 6020	EPA 3010A	Analysis Date: 1/12/2011	SeqNo: 1236547						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	9.903	1.0	10.00	0	99.0	75	125	9.622	2.88	20	

Sample ID: MB-35978	SampType: MBLK	TestCode: 6020_W	Units: µg/L	Prep Date: 1/12/2011	RunNo: 78869						
Client ID: PBW	Batch ID: 35978	TestNo: EPA 6020	EPA 3010A	Analysis Date: 1/19/2011	SeqNo: 1238259						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	ND	0.50									

Qualifiers:

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 - E Value above quantitation range
 - ND Not Detected at the Reporting Limit
 - DO Surrogate Diluted Out
 - H Holding times for preparation or analysis exceeded
 - R RPD outside accepted recovery limits
- Calculations are based on raw values

ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N005171
Project: SFPP - Norwalk Site

TestCode: 6020_W

Sample ID: LCS-35978	SampType: LCS	TestCode: 6020_W	Units: µg/L	Prep Date: 1/12/2011	RunNo: 78869
Client ID: LCSW	Batch ID: 35978	TestNo: EPA 6020	EPA 3010A	Analysis Date: 1/19/2011	SeqNo: 1238260
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Beryllium	9.435	0.50	10.00	0	94.4
				LowLimit	HighLimit
				85	115
				RPDLimit	Qual

Sample ID: N005171-001J-MS	SampType: MS	TestCode: 6020_W	Units: µg/L	Prep Date: 1/12/2011	RunNo: 78869
Client ID: ZZZZZZ	Batch ID: 35978	TestNo: EPA 6020	EPA 3010A	Analysis Date: 1/19/2011	SeqNo: 1238262
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Beryllium	9.736	0.50	10.00	0	97.4
				LowLimit	HighLimit
				75	125
				RPDLimit	Qual

Sample ID: N005171-001J-MSD	SampType: MSD	TestCode: 6020_W	Units: µg/L	Prep Date: 1/12/2011	RunNo: 78869
Client ID: ZZZZZZ	Batch ID: 35978	TestNo: EPA 6020	EPA 3010A	Analysis Date: 1/19/2011	SeqNo: 1238263
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Beryllium	10.040	0.50	10.00	0	100
				LowLimit	HighLimit
				75	125
				RPDLimit	Qual
				9.736	3.07

Sample ID: MB-35978	SampType: MBLK	TestCode: 6020_W	Units: µg/L	Prep Date: 1/12/2011	RunNo: 78870
Client ID: PBW	Batch ID: 35978	TestNo: EPA 6020	EPA 3010A	Analysis Date: 1/20/2011	SeqNo: 1238267
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Silver	ND	0.50			

Sample ID: LCS-35978	SampType: LCS	TestCode: 6020_W	Units: µg/L	Prep Date: 1/12/2011	RunNo: 78870
Client ID: LCSW	Batch ID: 35978	TestNo: EPA 6020	EPA 3010A	Analysis Date: 1/20/2011	SeqNo: 1238268
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Silver	10.305	0.50	10.00	0	103
				LowLimit	HighLimit
				85	115
				RPDLimit	Qual

Qualifiers:

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



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ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N005171
Project: SFP - Norwalk Site

TestCode: 6020_W

Sample ID: N005171-001J-MS	SampType: MS	TestCode: 6020_W	Units: µg/L	Prep Date: 1/12/2011	RunNo: 78870						
Client ID: ZZZZZZ	Batch ID: 35978	TestNo: EPA 6020	EPA 3010A	Analysis Date: 1/20/2011	SeqNo: 1238272						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	9.778	0.50	10.00	0	97.8	75	125				

Sample ID: N005171-001J-MSD	SampType: MSD	TestCode: 6020_W	Units: µg/L	Prep Date: 1/12/2011	RunNo: 78870						
Client ID: ZZZZZZ	Batch ID: 35978	TestNo: EPA 6020	EPA 3010A	Analysis Date: 1/20/2011	SeqNo: 1238273						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	9.841	0.50	10.00	0	98.4	75	125	9.778	0.642	20	

Sample ID: MB-35978	SampType: MBLK	TestCode: 6020_W	Units: µg/L	Prep Date: 1/12/2011	RunNo: 78733						
Client ID: PBW	Batch ID: 35978	TestNo: EPA 6020	EPA 3010A	Analysis Date: 1/12/2011	SeqNo: 1238361						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.50									
Cadmium	ND	0.50									
Nickel	ND	1.0									
Thallium	0.039	0.50									J

Sample ID: LCS-35978	SampType: LCS	TestCode: 6020_W	Units: µg/L	Prep Date: 1/12/2011	RunNo: 78733						
Client ID: LCSW	Batch ID: 35978	TestNo: EPA 6020	EPA 3010A	Analysis Date: 1/12/2011	SeqNo: 1238362						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	9.269	0.50	10.00	0	92.7	85	115				
Cadmium	9.738	0.50	10.00	0	97.4	85	115				
Nickel	10.276	1.0	10.00	0	103	85	115				
Thallium	9.371	0.50	10.00	0	93.7	85	115				

Qualifiers:

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- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out



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ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N005171
Project: SEPP - Norwalk Site

TestCode: 6020_W

Sample ID: N005171-001J-MS	SampType: MS	TestCode: 6020_W	Units: µg/L	Prep Date: 1/12/2011	RunNo: 78733						
Client ID: ZZZZZZ	Batch ID: 35978	TestNo: EPA 6020	EPA 3010A	Analysis Date: 1/12/2011	SeqNo: 1238366						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Antimony	9.700	0.50	10.00	0.1504	95.5	75	125				
Cadmium	9.656	0.50	10.00	0	96.6	75	125				
Nickel	9.362	1.0	10.00	0.7553	86.1	75	125				
Thallium	9.721	0.50	10.00	0.03065	96.9	75	125				

Sample ID: N005171-001J-MSD	SampType: MSD	TestCode: 6020_W	Units: µg/L	Prep Date: 1/12/2011	RunNo: 78733						
Client ID: ZZZZZZ	Batch ID: 35978	TestNo: EPA 6020	EPA 3010A	Analysis Date: 1/12/2011	SeqNo: 1238367						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Antimony	9.891	0.50	10.00	0.1504	97.4	75	125	9.700	1.95	20	
Cadmium	9.974	0.50	10.00	0	99.7	75	125	9.656	3.24	20	
Nickel	9.386	1.0	10.00	0.7553	86.3	75	125	9.362	0.259	20	
Thallium	9.967	0.50	10.00	0.03065	99.4	75	125	9.721	2.49	20	

Sample ID: MB-35978	SampType: MBLK	TestCode: 6020_W	Units: µg/L	Prep Date: 1/12/2011	RunNo: 78868						
Client ID: PBW	Batch ID: 35978	TestNo: EPA 6020	EPA 3010A	Analysis Date: 1/18/2011	SeqNo: 1238502						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium	ND	0.50									
Zinc	ND	10									

Sample ID: LCS-35978	SampType: LCS	TestCode: 6020_W	Units: µg/L	Prep Date: 1/12/2011	RunNo: 78868						
Client ID: LCSW	Batch ID: 35978	TestNo: EPA 6020	EPA 3010A	Analysis Date: 1/18/2011	SeqNo: 1238503						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium	10.009	0.50	10.00	0	100	85	115				
Zinc	97.510	10	100.0	0	97.5	85	115				

Qualifiers:

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 - ND Not Detected at the Reporting Limit
 - DO Surrogate Diluted Out
 - H Holding times for preparation or analysis exceeded
 - R RPD outside accepted recovery limits
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ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N005171
Project: SEPP - Norwalk Site

TestCode: 6020_W

Sample ID: N005171-001J-MS	SampType: MS	TestCode: 6020_W	Units: µg/L	Prep Date: 1/12/2011	RunNo: 78868
Client ID: ZZZZZZ	Batch ID: 35978	TestNo: EPA 6020	EPA 3010A	Analysis Date: 1/18/2011	SeqNo: 1238505

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	9.357	0.50	10.00	0.6564	87.0	75	125				
Zinc	94.168	10	100.0	4.360	89.8	75	125				

Sample ID: N005171-001J-MSD	SampType: MSD	TestCode: 6020_W	Units: µg/L	Prep Date: 1/12/2011	RunNo: 78868
Client ID: ZZZZZZ	Batch ID: 35978	TestNo: EPA 6020	EPA 3010A	Analysis Date: 1/18/2011	SeqNo: 1238506

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	9.535	0.50	10.00	0.6564	88.8	75	125	9.357	1.89	20	
Zinc	96.000	10	100.0	4.360	91.6	75	125	94.17	1.93	20	

Qualifiers:

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



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ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N005171
Project: SEPP - Norwalk Site

TestCode: 6020_W_DRC

Sample ID: MB-35978	SampType: MBLK	TestCode: 6020_W_DRC	Units: µg/L	Prep Date: 1/12/2011	RunNo: 78754						
Client ID: PBW	Batch ID: 35978	TestNo: EPA 6020	EPA 3010A	Analysis Date: 1/12/2011	SeqNo: 1236119						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.10									
Copper	ND	1.0									
Selenium	0.049	0.50									J

Sample ID: LCS-35978	SampType: LCS	TestCode: 6020_W_DRC	Units: µg/L	Prep Date: 1/12/2011	RunNo: 78754						
Client ID: LCSW	Batch ID: 35978	TestNo: EPA 6020	EPA 3010A	Analysis Date: 1/12/2011	SeqNo: 1236120						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	9.577	0.10	10.00	0	95.8	85	115				
Copper	10.483	1.0	10.00	0	105	85	115				
Selenium	9.241	0.50	10.00	0	92.4	85	115				

Sample ID: N005171-001J-MS	SampType: MS	TestCode: 6020_W_DRC	Units: µg/L	Prep Date: 1/12/2011	RunNo: 78754						
Client ID: ZZZZZ	Batch ID: 35978	TestNo: EPA 6020	EPA 3010A	Analysis Date: 1/12/2011	SeqNo: 1236146						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	38.022	0.10	10.00	28.85	91.8	75	125				
Copper	8.856	1.0	10.00	0.3745	84.8	75	125				
Selenium	9.196	0.50	10.00	0.2365	89.6	75	125				

Sample ID: N005171-001J-MSD	SampType: MSD	TestCode: 6020_W_DRC	Units: µg/L	Prep Date: 1/12/2011	RunNo: 78754						
Client ID: ZZZZZ	Batch ID: 35978	TestNo: EPA 6020	EPA 3010A	Analysis Date: 1/12/2011	SeqNo: 1236147						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	39.583	0.10	10.00	28.85	107	75	125	38.02	4.02	20	
Copper	9.105	1.0	10.00	0.3745	87.3	75	125	8.856	2.77	20	
Selenium	9.254	0.50	10.00	0.2365	90.2	75	125	9.196	0.629	20	

Qualifiers:

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 - E Value above quantitation range
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 - ND Not Detected at the Reporting Limit
 - R RPD outside accepted recovery limits
 - S Spike/Surrogate outside of limits due to matrix interference
 - DO Surrogate Diluted Out
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ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N005171
Project: SFPP - Norwalk Site

TestCode: 7199_W

Sample ID: MB-R78750	SampType: MBLK	TestCode: 7199_W	Units: µg/L	Prep Date:	RunNo: 78750						
Client ID: PBW	Batch ID: R78750	TestNo: EPA 7199		Analysis Date: 1/12/2011	SeqNo: 1236066						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium	ND	0.20									

Sample ID: LCS-R78750	SampType: LCS	TestCode: 7199_W	Units: µg/L	Prep Date:	RunNo: 78750						
Client ID: LCSW	Batch ID: R78750	TestNo: EPA 7199		Analysis Date: 1/12/2011	SeqNo: 1236067						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium	4.927	0.20	5.000	0	98.5	90	110				

Sample ID: N005171-001CDUP	SampType: DUP	TestCode: 7199_W	Units: µg/L	Prep Date:	RunNo: 78750						
Client ID: ZZZZZZ	Batch ID: R78750	TestNo: EPA 7199		Analysis Date: 1/12/2011	SeqNo: 1236070						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium	ND	0.20				0	0	20			

Sample ID: N005171-002AMS	SampType: MS	TestCode: 7199_W	Units: µg/L	Prep Date:	RunNo: 78750						
Client ID: ZZZZZZ	Batch ID: R78750	TestNo: EPA 7199		Analysis Date: 1/12/2011	SeqNo: 1236072						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium	1.714	0.20	1.000	0.7160	99.8	85	115				

Sample ID: N005171-002AMSD	SampType: MSD	TestCode: 7199_W	Units: µg/L	Prep Date:	RunNo: 78750						
Client ID: ZZZZZZ	Batch ID: R78750	TestNo: EPA 7199		Analysis Date: 1/12/2011	SeqNo: 1236073						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium	1.712	0.20	1.000	0.7160	99.6	85	115	1.714	0.117	20	

Qualifiers:

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 - E Value above quantitation range
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 - DO Surrogate Diluted Out
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ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N005171
Project: SFPP - Norwalk Site

TestCode: 7470_W_LL

Sample ID: LCS-35980	SampType: LCS	TestCode: 7470_W_LL	Units: µg/L	Prep Date: 1/12/2011	RunNo: 78752						
Client ID: LCSW	Batch ID: 35980	TestNo: EPA 7470A		Analysis Date: 1/12/2011	SeqNo: 1236090						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.349	0.050	2.500	0	94.0	85	115				

Sample ID: MB-35980	SampType: MBLK	TestCode: 7470_W_LL	Units: µg/L	Prep Date: 1/12/2011	RunNo: 78752						
Client ID: PBW	Batch ID: 35980	TestNo: EPA 7470A		Analysis Date: 1/12/2011	SeqNo: 1236091						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.041	0.050									J

Sample ID: N005171-001J-MS	SampType: MS	TestCode: 7470_W_LL	Units: µg/L	Prep Date: 1/12/2011	RunNo: 78752						
Client ID: ZZZZZZ	Batch ID: 35980	TestNo: EPA 7470A		Analysis Date: 1/12/2011	SeqNo: 1236093						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.307	0.050	2.500	0	92.3	75	125				

Sample ID: N005171-001J-MSD	SampType: MSD	TestCode: 7470_W_LL	Units: µg/L	Prep Date: 1/12/2011	RunNo: 78752						
Client ID: ZZZZZZ	Batch ID: 35980	TestNo: EPA 7470A		Analysis Date: 1/12/2011	SeqNo: 1236094						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.290	0.050	2.500	0	91.6	75	125	2.307	0.742	20	

Qualifiers:

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



CLIENT: CH2M HILL
Work Order: N005171
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_GPLLPGE

Sample ID: E110119LCS	SampType: LCS	TestCode: 8015_W_GPL	Units: µg/L	Prep Date:	RunNo: 78899						
Client ID: LCSW	Batch ID: E11VW002	TestNo: EPA 8015B		Analysis Date: 1/19/2011	SeqNo: 1239125						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline	934.000	100	1000	0	93.4	67	136				
Surr: Chlorobenzene - d5	49370.000		50000		98.7	74	138				

Sample ID: E110119MB2	SampType: MBLK	TestCode: 8015_W_GPL	Units: µg/L	Prep Date:	RunNo: 78899						
Client ID: PBW	Batch ID: E11VW002	TestNo: EPA 8015B		Analysis Date: 1/19/2011	SeqNo: 1239126						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline	ND	100									
Surr: Chlorobenzene - d5	51589.000		50000		103	74	138				

Sample ID: N005171-001EMS	SampType: MS	TestCode: 8015_W_GPL	Units: µg/L	Prep Date:	RunNo: 78899						
Client ID: ZZZZZ	Batch ID: E11VW002	TestNo: EPA 8015B		Analysis Date: 1/19/2011	SeqNo: 1239128						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline	963.000	100	1000	0	96.3	67	136				
Surr: Chlorobenzene - d5	48490.000		50000		97.0	74	138				

Sample ID: N005171-001EMSD	SampType: MSD	TestCode: 8015_W_GPL	Units: µg/L	Prep Date:	RunNo: 78899						
Client ID: ZZZZZ	Batch ID: E11VW002	TestNo: EPA 8015B		Analysis Date: 1/19/2011	SeqNo: 1239129						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline	1007.000	100	1000	0	101	67	136	963.0	4.47	30	
Surr: Chlorobenzene - d5	50603.000		50000		101	74	138		0	0	

Qualifiers:

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



ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N005171
Project: SFPP - Norwalk Site

TestCode: 8081_W_PGE

Sample ID: LCS-35989_OCP	SampType: LCS	TestCode: 8081_W_PGE	Units: µg/L	RunNo: 78809
Client ID: LCSW	Batch ID: 35989	TestNo: EPA 8081A	EPA 3510C	SeqNo: 1237256
		Prep Date: 1/13/2011		
		Analysis Date: 1/17/2011		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	0.469	0.050	0.5000	0	93.8	50	139				
4,4'-DDE	0.507	0.050	0.5000	0	101	48	137				
4,4'-DDT	0.595	0.050	0.5000	0	119	47	138				
Aldrin	0.518	0.025	0.5000	0	104	42	138				
alpha-BHC	0.577	0.025	0.5000	0	115	60	128				
beta-BHC	0.483	0.025	0.5000	0	96.7	66	126				
delta-BHC	0.546	0.025	0.5000	0	109	46	136				
Dieldrin	0.540	0.050	0.5000	0	108	62	129				
Endosulfan I	0.515	0.025	0.5000	0	103	49	120				
Endosulfan II	0.525	0.050	0.5000	0	105	42	130				
Endosulfan sulfate	0.513	0.050	0.5000	0	103	54	137				
Endrin	0.532	0.050	0.5000	0	106	56	134				
Endrin aldehyde	0.533	0.050	0.5000	0	107	56	137				
gamma-BHC	0.562	0.025	0.5000	0	112	30	146				
Heptachlor	0.615	0.025	0.5000	0	123	51	128				
Heptachlor epoxide	0.529	0.025	0.5000	0	106	62	131				
Methoxychlor	0.570	0.25	0.5000	0	114	56	150				
Surr: Tetrachloro-m-xylene	0.560		0.5000		112	33	138				
Surr: Decachlorobiphenyl	0.466		0.5000		93.2	29	135				

Sample ID: MB-35989	SampType: MBLK	TestCode: 8081_W_PGE	Units: µg/L	RunNo: 78809
Client ID: PBW	Batch ID: 35989	TestNo: EPA 8081A	EPA 3510C	SeqNo: 1237258
		Prep Date: 1/13/2011		
		Analysis Date: 1/17/2011		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	0.050									
4,4'-DDE	ND	0.050									
4,4'-DDT	ND	0.050									
Aldrin	ND	0.025									
alpha-BHC	ND	0.025									
beta-BHC	ND	0.025									

Qualifiers:

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N005171
Project: SFPP - Norwalk Site

TestCode: 8081_W_PGE

Sample ID: **MB-35989** SampType: **MBLK** TestCode: **8081_W_PGE** Units: **µg/L** Prep Date: **1/13/2011** RunNo: **78809**
 Client ID: **PBW** Batch ID: **35989** TestNo: **EPA 8081A** EPA **3510C** Analysis Date: **1/17/2011** SeqNo: **1237258**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlordane	ND	0.25									
delta-BHC	ND	0.025									
Dieldrin	ND	0.050									
Endosulfan I	ND	0.025									
Endosulfan II	ND	0.050									
Endosulfan sulfate	ND	0.050									
Endrin	ND	0.050									
Endrin aldehyde	ND	0.050									
gamma-BHC	ND	0.025									
Heptachlor	ND	0.025									
Heptachlor epoxide	ND	0.025									
Methoxychlor	ND	0.25									
Toxaphene	ND	2.5									
Surr: Tetrachloro-m-xylene	0.316		0.5000		63.2	33		138			
Surr: Decachlorobiphenyl	0.423		0.5000		84.6	29		135			

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N005171
Project: SFPP - Norwalk Site

TestCode: 8082_W_PGE

Sample ID:	LCS-35989_PCB	SampType:	LCS	TestCode:	8082_W_PGE	Units:	µg/L	Prep Date:	1/13/2011	RunNo:	78794
Client ID:	LCSW	Batch ID:	35989	TestNo:	EPA 8082	EPA	3510C	Analysis Date:	1/14/2011	SeqNo:	1237095
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	4.766	0.50	5.000	0	95.3	40	144				
Aroclor 1260	4.947	0.50	5.000	0	98.9	45	145				
Surr: Decachlorobiphenyl	0.399		0.5000		79.8	29	133				
Surr: Tetrachloro-m-xylene	0.321		0.5000		64.1	50	120				

Sample ID:	MB-35989	SampType:	MBLK	TestCode:	8082_W_PGE	Units:	µg/L	Prep Date:	1/13/2011	RunNo:	78794
Client ID:	PBW	Batch ID:	35989	TestNo:	EPA 8082	EPA	3510C	Analysis Date:	1/14/2011	SeqNo:	1237097
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.50									
Aroclor 1221	ND	1.0									
Aroclor 1232	ND	0.50									
Aroclor 1242	ND	0.50									
Aroclor 1248	ND	0.50									
Aroclor 1254	ND	0.50									
Aroclor 1260	ND	0.50									
Surr: Decachlorobiphenyl	0.485		0.5000		97.0	29	133				
Surr: Tetrachloro-m-xylene	0.282		0.5000		56.4	50	120				

Qualifiers:

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



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

CLIENT: CH2M HILL
Work Order: N005171
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LLPGE

Sample ID:	D110120LCS	SampType:	LCS	TestCode:	8260_WP_LL	Units:	µg/L	Prep Date:	RunNo:	78900	
Client ID:	LCSW	Batch ID:	D111VW007	TestNo:	EPA 8260B			Analysis Date:	SeqNo:	1239133	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	21.580	1.0	25.00	0	86.3	67	132				
1,1,2,2-Tetrachloroethane	27.010	1.0	25.00	0	108	63	128				
1,1,2-Trichloroethane	25.800	1.0	25.00	0	103	75	125				
1,1-Dichloroethane	25.800	1.0	25.00	0	103	69	133				
1,1-Dichloroethene	25.500	1.0	25.00	0	102	68	130				
1,2,4-Trichlorobenzene	27.330	1.0	25.00	0	109	66	134				
1,2-Dichlorobenzene	26.340	1.0	25.00	0	105	71	122				
1,2-Dichloroethane	26.410	1.0	25.00	0	106	69	132				
1,3-Dichlorobenzene	26.600	1.0	25.00	0	106	75	124				
1,3-Dichloropropane	26.070	1.0	25.00	0	104	73	126				
1,4-Dichlorobenzene	26.530	1.0	25.00	0	106	74	123				
2-Butanone	321.090	10	250.0	0	128	49	136				
2-Chloroethyl vinyl ether	26.630	1.0	25.00	0	107	70	130				
Benzene	25.290	1.0	25.00	0	101	81	122				
Bromodichloromethane	22.790	1.0	25.00	0	91.2	76	121				
Bromoform	24.630	1.0	25.00	0	98.5	69	128				
Bromomethane	25.090	1.0	25.00	0	100	53	141				
Carbon tetrachloride	21.710	1.0	25.00	0	86.8	66	138				
Chlorobenzene	25.890	1.0	25.00	0	104	81	122				
Chloroethane	27.940	1.0	25.00	0	112	58	133				
Chloroform	26.350	1.0	25.00	0	105	69	128				
Chloromethane	25.350	1.0	25.00	0	101	56	131				
cis-1,2-Dichloroethene	26.180	1.0	25.00	0	105	72	126				
cis-1,3-Dichloropropene	25.610	1.0	25.00	0	102	69	131				
Dibromochloromethane	25.020	1.0	25.00	0	100	66	133				
Ethylbenzene	26.040	1.0	25.00	0	104	73	127				
Hexachlorobutadiene	26.680	1.0	25.00	0	107	67	131				
m,p-Xylene	52.850	1.0	50.00	0	106	76	128				
Methylene chloride	24.140	5.0	25.00	0	96.6	63	137				
MTBE	24.200	1.0	25.00	0	96.8	65	123				

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

CLIENT: CH2M HILL
Work Order: N005171
Project: SEPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LLPGE

Sample ID: D110120LCS	SampType: LCS	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 78900						
Client ID: LCSW	Batch ID: D11VW007	TestNo: EPA 8260B		Analysis Date: 1/20/2011	SeqNo: 1239133						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	27.040	1.0	25.00	0	108	54	138				
o-Xylene	25.610	1.0	25.00	0	102	80	121				
Tetrachloroethene	26.570	1.0	25.00	0	106	66	128				
Toluene	24.880	2.5	25.00	0	99.5	77	122				
trans-1,2-Dichloroethene	24.550	1.0	25.00	0	98.2	63	137				
trans-1,3-Dichloropropene	26.570	1.0	25.00	0	106	59	135				
Trichloroethene	24.830	1.0	25.00	0	99.3	70	127				
Vinyl chloride	24.960	1.0	25.00	0	99.8	50	134				
Surr: 1,2-Dichloroethane-d4	25.450		25.00		102	72	119				
Surr: 4-Bromofluorobenzene	25.180		25.00		101	76	119				
Surr: Dibromofluoromethane	25.980		25.00		104	85	115				
Surr: Toluene-d8	25.180		25.00		101	81	120				

Sample ID: N005171-001FMS	SampType: MS	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 78900						
Client ID: ZZZZZZ	Batch ID: D11VW007	TestNo: EPA 8260B		Analysis Date: 1/20/2011	SeqNo: 1239134						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	21.010	1.0	25.00	0	84.0	67	132				
1,1,2,2-Tetrachloroethane	21.750	1.0	25.00	0	87.0	63	128				
1,1,2-Trichloroethane	21.240	1.0	25.00	0	85.0	75	125				
1,1-Dichloroethane	24.450	1.0	25.00	0	97.8	69	133				
1,1-Dichloroethene	25.170	1.0	25.00	0	101	68	130				
1,2,4-Trichlorobenzene	28.240	1.0	25.00	0	113	66	134				
1,2-Dichlorobenzene	25.800	1.0	25.00	0	103	71	122				
1,2-Dichloroethane	22.030	1.0	25.00	0	88.1	69	132				
1,3-Dichlorobenzene	27.290	1.0	25.00	0	109	75	124				
1,3-Dichloropropene	22.850	1.0	25.00	0	91.4	73	126				
1,4-Dichlorobenzene	27.080	1.0	25.00	0	108	74	123				
2-Butanone	105.490	10	250.0	0	42.2	49	136				S
2-Chloroethyl vinyl ether	27.230	1.0	25.00	0	109	70	130				

Qualifiers:

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



CLIENT: CH2M HILL
Work Order: N005171
Project: SEPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LLPGE

Sample ID: N005171-001FMS	SampType: MS	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 78900
Client ID: ZZZZZZ	Batch ID: D111VW007	TestNo: EPA 8260B		Analysis Date: 1/20/2011	SeqNo: 1239134

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	24.820	1.0	25.00	0	99.3	81	122				
Bromodichloromethane	21.290	1.0	25.00	0	85.2	76	121				
Bromoform	20.750	1.0	25.00	0	83.0	69	128				
Bromomethane	24.580	1.0	25.00	0	98.3	53	141				
Carbon tetrachloride	21.650	1.0	25.00	0	86.6	66	138				
Chlorobenzene	26.200	1.0	25.00	0	105	81	122				
Chloroethane	27.670	1.0	25.00	0	111	58	133				
Chloroform	24.270	1.0	25.00	0	97.1	69	128				
Chloromethane	25.230	1.0	25.00	0	101	56	131				
cis-1,2-Dichloroethene	24.530	1.0	25.00	0	98.1	72	126				
cis-1,3-Dichloropropene	23.300	1.0	25.00	0	93.2	69	131				
Dibromochloromethane	22.480	1.0	25.00	0	89.9	66	133				
Ethylbenzene	27.220	1.0	25.00	0	109	73	127				
Hexachlorobutadiene	29.430	1.0	25.00	0	118	67	131				
m,p-Xylene	55.350	1.0	50.00	0	111	76	128				
Methylene chloride	22.170	5.0	25.00	0	88.7	63	137				
MTBE	33.880	1.0	25.00	14.30	78.3	65	123				
Naphthalene	23.690	1.0	25.00	0	94.8	54	138				
o-Xylene	26.540	1.0	25.00	0	106	80	121				
Tetrachloroethene	28.120	1.0	25.00	0	112	66	128				
Toluene	24.650	2.5	25.00	0	98.6	77	122				
trans-1,2-Dichloroethene	23.460	1.0	25.00	0	93.8	63	137				
trans-1,3-Dichloropropene	22.760	1.0	25.00	0	91.0	59	135				
Trichloroethene	25.180	1.0	25.00	0	101	70	127				
Vinyl chloride	24.820	1.0	25.00	0	99.3	50	134				
Surr: 1,2-Dichloroethane-d4	21.500		25.00		86.0	72	119				
Surr: 4-Bromofluorobenzene	25.920		25.00		104	76	119				
Surr: Dibromofluoromethane	23.740		25.00		95.0	85	115				
Surr: Toluene-d8	25.770		25.00		103	81	120				

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



ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N005171
Project: SEPP - Norwalk Site

TestCode: 8260_WP_LLPGE

Sample ID: N005171-001FMSD	SampType: MSD	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 78900						
Client ID: ZZZZZZ	Batch ID: D111VW007	TestNo: EPA 8260B		Analysis Date: 1/20/2011	SeqNo: 1239135						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	20.530	1.0	25.00	0	82.1	67	132	21.01	2.31	20	
1,1,2,2-Tetrachloroethane	21.560	1.0	25.00	0	86.2	63	128	21.75	0.877	20	
1,1,2-Trichloroethane	20.960	1.0	25.00	0	83.8	75	125	21.24	1.33	20	
1,1-Dichloroethane	24.210	1.0	25.00	0	96.8	69	133	24.45	0.986	20	
1,1-Dichloroethene	24.770	1.0	25.00	0	99.1	68	130	25.17	1.60	20	
1,2,4-Trichlorobenzene	27.900	1.0	25.00	0	112	66	134	28.24	1.21	20	
1,2-Dichlorobenzene	25.820	1.0	25.00	0	103	71	122	25.80	0.0775	20	
1,2-Dichloroethane	22.300	1.0	25.00	0	89.2	69	132	22.03	1.22	20	
1,3-Dichlorobenzene	27.080	1.0	25.00	0	108	75	124	27.29	0.772	20	
1,3-Dichloropropane	22.280	1.0	25.00	0	89.1	73	126	22.85	2.53	20	
1,4-Dichlorobenzene	26.740	1.0	25.00	0	107	74	123	27.08	1.26	20	
2-Butanone	102.380	10	250.0	0	41.0	49	136	105.5	2.99	20	S
2-Chloroethyl vinyl ether	27.300	1.0	25.00	0	109	70	130	27.23	0.257	20	
Benzene	24.990	1.0	25.00	0	100	81	122	24.82	0.683	20	
Bromodichloromethane	21.010	1.0	25.00	0	84.0	76	121	21.29	1.32	20	
Bromoform	20.280	1.0	25.00	0	81.1	69	128	20.75	2.29	20	
Bromomethane	24.420	1.0	25.00	0	97.7	53	141	24.58	0.653	20	
Carbon tetrachloride	21.830	1.0	25.00	0	87.3	66	138	21.65	0.828	20	
Chlorobenzene	25.960	1.0	25.00	0	104	81	122	26.20	0.920	20	
Chloroethane	27.690	1.0	25.00	0	111	58	133	27.67	0.0723	20	
Chloroform	24.070	1.0	25.00	0	96.3	69	128	24.27	0.827	20	
Chloromethane	25.010	1.0	25.00	0	100	56	131	25.23	0.876	20	
cis-1,2-Dichloroethene	24.160	1.0	25.00	0	96.6	72	126	24.53	1.52	20	
cis-1,3-Dichloropropene	23.200	1.0	25.00	0	92.8	69	131	23.30	0.430	20	
Dibromochloromethane	21.730	1.0	25.00	0	86.9	66	133	22.48	3.39	20	
Ethylbenzene	26.820	1.0	25.00	0	107	73	127	27.22	1.48	20	
Hexachlorobutadiene	29.030	1.0	25.00	0	116	67	131	29.43	1.37	20	
m,p-Xylene	54.790	1.0	50.00	0	110	76	128	55.35	1.02	20	
Methylene chloride	22.030	5.0	25.00	0	88.1	63	137	22.17	0.633	20	
MTBE	32.720	1.0	25.00	14.30	73.7	65	123	33.88	3.48	20	

Qualifiers:

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



CLIENT: CH2M HILL
Work Order: N005171
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LLPGE

Sample ID: N005171-001FMSD	SampType: MSD	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 78900						
Client ID: ZZZZZZ	Batch ID: D11VW007	TestNo: EPA 8260B		Analysis Date: 1/20/2011	SeqNo: 1239135						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	22.630	1.0	25.00	0	90.5	54	138	23.69	4.58	20	
o-Xylene	26.020	1.0	25.00	0	104	80	121	26.54	1.98	20	
Tetrachloroethene	27.400	1.0	25.00	0	110	66	128	28.12	2.59	20	
Toluene	24.870	2.5	25.00	0	99.5	77	122	24.65	0.889	20	
trans-1,2-Dichloroethene	23.060	1.0	25.00	0	92.2	63	137	23.46	1.72	20	
trans-1,3-Dichloropropene	22.690	1.0	25.00	0	90.8	59	135	22.76	0.308	20	
Trichloroethene	24.620	1.0	25.00	0	98.5	70	127	25.18	2.25	20	
Vinyl chloride	24.510	1.0	25.00	0	98.0	50	134	24.82	1.26	20	
Surr: 1,2-Dichloroethane-d4	21.200		25.00		84.8	72	119		0		
Surr: 4-Bromofluorobenzene	25.590		25.00		102	76	119		0		
Surr: Dibromofluoromethane	23.820		25.00		95.3	85	115		0		
Surr: Toluene-d8	26.200		25.00		105	81	120		0		

Sample ID: D110120MB3	SampType: MBLK	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 78900						
Client ID: PBW	Batch ID: D11VW007	TestNo: EPA 8260B		Analysis Date: 1/20/2011	SeqNo: 1239136						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	1.0									
1,1,2,2-Tetrachloroethane	ND	1.0									
1,1,2-Trichloroethane	ND	1.0									
1,1-Dichloroethane	ND	1.0									
1,1-Dichloroethene	ND	1.0									
1,2,4-Trichlorobenzene	ND	1.0									
1,2-Dichlorobenzene	ND	1.0									
1,2-Dichloroethane	ND	1.0									
1,3-Dichlorobenzene	ND	1.0									
1,3-Dichloropropane	ND	1.0									
1,4-Dichlorobenzene	ND	1.0									
2-Butanone	ND	10									
2-Chloroethyl vinyl ether	ND	1.0									

Qualifiers:

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



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ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N005171
Project: SFPP - Norwalk Site

TestCode: 8260_WP_LLPGE

Sample ID: D110120MB3	SampType: MBLK	TestCode: 8260_WP_LL	Units: µg/L
Client ID: PBW	Batch ID: D111VW007	TestNo: EPA 8260B	
Analyte	Result	PQL	SPK value
			SPK Ref Val
		%REC	LowLimit
			HighLimit
			RPD Ref Val
			%RPD
			RPDLimit
			Qual

RunNo: 78900
 SeqNo: 1239136

Prep Date:
 Analysis Date: 1/20/2011

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	1.0									
Bromodichloromethane	ND	1.0									
Bromoform	ND	1.0									
Bromomethane	ND	1.0									
Carbon tetrachloride	ND	1.0									
Chlorobenzene	ND	1.0									
Chloroethane	ND	1.0									
Chloroform	ND	1.0									
Chloromethane	ND	1.0									
cis-1,2-Dichloroethene	ND	1.0									
cis-1,3-Dichloropropene	ND	1.0									
Dibromochloromethane	ND	1.0									
Ethylbenzene	ND	1.0									
Hexachlorobutadiene	ND	1.0									
m,p-Xylene	ND	1.0									
Methylene chloride	ND	5.0									
MTBE	ND	1.0									
Naphthalene	ND	1.0									
o-Xylene	ND	1.0									
Tetrachloroethene	ND	1.0									
Toluene	ND	2.5									
trans-1,2-Dichloroethene	ND	1.0									
trans-1,3-Dichloropropene	ND	1.0									
Trichloroethene	ND	1.0									
Vinyl chloride	ND	1.0									
Surr: 1,2-Dichloroethane-d4	21.610		25.00		86.4	72		119			
Surr: 4-Bromofluorobenzene	27.200		25.00		109	76		119			
Surr: Dibromofluoromethane	21.940		25.00		87.8	85		115			
Surr: Toluene-d8	26.920		25.00		108	81		120			

Qualifiers:

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



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ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N005171
Project: SEPP - Norwalk Site

TestCode: 8260_WP_LLPGE

Sample ID: D110125LCS	SampType: LCS	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 78901						
Client ID: LCSW	Batch ID: D11VW009	TestNo: EPA 8260B		Analysis Date: 1/25/2011	SeqNo: 1239155						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acrolein	231.570	20	250.0	0	92.6	75	125				
Acrylonitrile	246.790	20	250.0	0	98.7	75	125				

Sample ID: N005171-002BMS	SampType: MS	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 78901						
Client ID: ZZZZZ	Batch ID: D11VW009	TestNo: EPA 8260B		Analysis Date: 1/25/2011	SeqNo: 1239156						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acrolein	184.970	20	250.0	0	74.0	75	125				S
Acrylonitrile	189.360	20	250.0	0	75.7	75	125				

Sample ID: N005171-002BMSD	SampType: MSD	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 78901						
Client ID: ZZZZZ	Batch ID: D11VW009	TestNo: EPA 8260B		Analysis Date: 1/25/2011	SeqNo: 1239157						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acrolein	183.960	20	250.0	0	73.6	75	125	185.0	0.548	20	S
Acrylonitrile	189.940	20	250.0	0	76.0	75	125	189.4	0.306	20	

Sample ID: D110125MB3	SampType: MBLK	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 78901						
Client ID: PBW	Batch ID: D11VW009	TestNo: EPA 8260B		Analysis Date: 1/25/2011	SeqNo: 1239158						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acrolein	ND	20									
Acrylonitrile	ND	20									

Qualifiers:

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 - ND Not Detected at the Reporting Limit
 - DO Surrogate Diluted Out
 - H Holding times for preparation or analysis exceeded
 - R RPD outside accepted recovery limits
- Calculations are based on raw values



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CLIENT: CH2M HILL
Work Order: N005171
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_PGE

Sample ID:	LCS-36017	SampType:	LCS	TestCode:	8270_W_PGE	Units:	µg/L	Prep Date:	RunNo:	78873	
Client ID:	LCSW	Batch ID:	36017	TestNo:	EPA 8270C	EPA	3510C	Analysis Date:	1/21/2011	SeqNo:	1238315
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Diphenylhydrazine	83.090	10	100.0	0	83.1	60	117				
1,3-Dichlorobenzene	66.100	10	100.0	0	66.1	32	120				
1,4-Dichlorobenzene	66.550	10	100.0	0	66.6	32	120				
2,4,6-Trichlorophenol	78.590	10	100.0	0	78.6	49	126				
2,4-Dichlorophenol	72.770	10	100.0	0	72.8	48	120				
2,4-Dimethylphenol	71.090	10	100.0	0	71.1	28	120				
2,4-Dinitrophenol	116.630	50	100.0	0	117	25	130				
2,4-Dinitrotoluene	97.570	10	100.0	0	97.6	51	120				
2,6-Dinitrotoluene	88.850	10	100.0	0	88.8	49	120				
2-Chloronaphthalene	68.320	10	100.0	0	68.3	49	120				
2-Chlorophenol	68.180	10	100.0	0	68.2	37	120				
2-Nitrophenol	72.940	10	100.0	0	72.9	39	123				
3,3'-Dichlorobenzidine	121.490	20	200.0	0	60.7	20	120				
4,6-Dinitro-2-methylphenol	119.690	50	100.0	0	120	40	130				
4-Bromophenyl-phenylether	84.400	10	100.0	0	84.4	52	120				
4-Chloro-3-methylphenol	83.570	50	100.0	0	83.6	47	120				
4-Chlorophenyl-phenylether	76.730	10	100.0	0	76.7	50	120				
4-Nitrophenol	113.210	50	100.0	0	113	20	120				
Acenaphthene	70.430	10	100.0	0	70.4	47	120				
Acenaphthylene	72.180	10	100.0	0	72.2	50	120				
Anthracene	85.850	10	100.0	0	85.8	54	120				
Benzidine (M)	61.600	50	200.0	0	30.8	10	162				
Benzo(a)anthracene	91.160	10	100.0	0	91.2	56	100				
Benzo(a)pyrene	88.410	10	100.0	0	88.4	53	120				
Benzo(b)fluoranthene	95.410	10	100.0	0	95.4	45	124				
Benzo(g,h,i)perylene	95.780	10	100.0	0	95.8	38	123				
Benzo(k)fluoranthene	86.800	10	100.0	0	86.8	45	124				
Bis(2-chloroethoxy)methane	68.140	10	100.0	0	68.1	46	120				
Bis(2-chloroethyl)ether	73.030	10	100.0	0	73.0	37	120				
Bis(2-chloroisopropyl)ether	68.950	10	100.0	0	69.0	26	131				

Qualifiers:

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 - E Value above quantitation range
 - ND Not Detected at the Reporting Limit
 - DO Surrogate Diluted Out
 - H Holding times for preparation or analysis exceeded
 - R RPD outside accepted recovery limits
- Calculations are based on raw values



CLIENT: CH2M HILL
Work Order: N005171
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_PGE

Sample ID:	LCS-36017	SampType:	LCS	TestCode:	8270_W_PGE	Units:	µg/L	Prep Date:	RunNo:	78873	
Client ID:	LCSW	Batch ID:	36017	TestNo:	EPA 8270C	EPA	3510C	Analysis Date:	1/21/2011	SeqNo:	1238315
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-ethylhexyl)phthalate	97.530	10	100.0	0	97.5	42	126				
Butylbenzylphthalate	97.540	10	100.0	0	97.5	46	120				
Chrysene	88.370	10	100.0	0	88.4	55	120				
Di-n-butylphthalate	92.420	10	100.0	0	92.4	54	120				
Di-n-octylphthalate	98.910	10	100.0	0	98.9	37	137				
Dibenz(a,h)anthracene	92.800	10	100.0	0	92.8	42	127				
Diethylphthalate	88.890	10	100.0	0	88.9	41	120				
Dimethylphthalate	83.050	10	100.0	0	83.0	25	127				
Fluoranthene	88.210	10	100.0	0	88.2	54	120				
Fluorene	77.000	10	100.0	0	77.0	50	120				
Hexachlorobenzene	83.670	10	100.0	0	83.7	52	120				
Hexachlorobutadiene	67.870	20	100.0	0	67.9	27	120				
Hexachlorocyclopentadiene	72.570	10	100.0	0	72.6	51	108				
Hexachloroethane	66.850	10	100.0	0	66.8	28	120				
Indeno(1,2,3-cd)pyrene	93.600	10	100.0	0	93.6	43	125				
Isophorone	71.350	10	100.0	0	71.4	50	120				
N-Nitrosodi-n-propylamine	70.660	10	100.0	0	70.7	34	128				
N-Nitrosodimethylamine	74.890	50	100.0	0	74.9	35	98				
N-Nitrosodiphenylamine	88.950	10	100.0	0	89.0	48	120				
Naphthalene	67.290	10	100.0	0	67.3	39	120				
Nitrobenzene	70.820	10	100.0	0	70.8	44	120				
Pentachlorophenol	124.190	50	100.0	0	124	38	120				S
Phenanthrene	84.520	10	100.0	0	84.5	51	120				
Phenol	72.050	10	100.0	0	72.0	20	120				
Pyrene	87.630	10	100.0	0	87.6	49	128				
Surr: 1,2-Dichlorobenzene-d4	64.480		100.0		64.5	27	100				
Surr: 2,4,6-Tribromophenol	95.470		100.0		95.5	42	124				
Surr: 2-Chlorophenol-d4	71.810		100.0		71.8	34	98				
Surr: 2-Fluorobiphenyl	66.220		100.0		66.2	48	120				
Surr: 2-Fluorophenol	73.400		100.0		73.4	20	120				

Qualifiers:

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 - E Value above quantitation range
 - ND Not Detected at the Reporting Limit
 - DO Surrogate Diluted Out
 - H Holding times for preparation or analysis exceeded
 - R RPD outside accepted recovery limits
- Calculations are based on raw values



CLIENT: CH2M HILL
Work Order: N005171
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_PGE

Sample ID: LCS-36017	SampType: LCS	TestCode: 8270_W_PGE	Units: µg/L	Prep Date:	RunNo: 78873						
Client ID: LCSW	Batch ID: 36017	TestNo: EPA 8270C	EPA 3510C	Analysis Date: 1/21/2011	SeqNo: 1238315						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Terphenyl-d14	91.310		100.0		91.3	51	135				
Surr: Nitrobenzene-d5	69.260		100.0		69.3	41	120				
Surr: Phenol-d5	73.300		100.0		73.3	20	120				

Sample ID: MB-36017	SampType: MBLK	TestCode: 8270_W_PGE	Units: µg/L	Prep Date:	RunNo: 78873						
Client ID: PBW	Batch ID: 36017	TestNo: EPA 8270C	EPA 3510C	Analysis Date: 1/21/2011	SeqNo: 1238317						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2-Diphenylhydrazine	ND	10									
1,3-Dichlorobenzene	ND	10									
1,4-Dichlorobenzene	ND	10									
2,4,6-Trichlorophenol	ND	10									
2,4-Dichlorophenol	ND	10									
2,4-Dimethylphenol	ND	10									
2,4-Dinitrophenol	ND	50									
2,4-Dinitrotoluene	ND	10									
2,6-Dinitrotoluene	ND	10									
2-Chloronaphthalene	ND	10									
2-Chlorophenol	ND	10									
2-Nitrophenol	ND	10									
3,3'-Dichlorobenzidine	ND	20									
4,6-Dinitro-2-methylphenol	ND	50									
4-Bromophenyl-phenylether	ND	10									
4-Chloro-3-methylphenol	ND	50									
4-Chlorophenyl-phenylether	ND	10									
4-Nitrophenol	ND	50									
Acenaphthene	ND	10									
Acenaphthylene	ND	10									
Anthracene	ND	10									
Benzidine (M)	ND	50									

Qualifiers:

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

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

CLIENT: CH2M HILL
Work Order: N005171
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_PGE

Sample ID: **MB-36017** SampType: **MBLK** TestCode: **8270_W_PGE** Units: **µg/L** Prep Date: RunNo: **78873**
 Client ID: **PBW** Batch ID: **36017** TestNo: **EPA 8270C** EPA **3510C** Analysis Date: **1/21/2011** SeqNo: **1238317**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD	Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	ND	10										
Benzo(a)pyrene	ND	10										
Benzo(b)fluoranthene	ND	10										
Benzo(g,h,i)perylene	ND	10										
Benzo(k)fluoranthene	ND	10										
Bis(2-chloroethoxy)methane	ND	10										
Bis(2-chloroethyl)ether	ND	10										
Bis(2-chloroisopropyl)ether	ND	10										
Bis(2-ethylhexyl)phthalate	ND	10										
Butylbenzylphthalate	ND	10										
Chrysene	ND	10										
Di-n-butylphthalate	ND	10										
Di-n-octylphthalate	ND	10										
Dibenz(a,h)anthracene	ND	10										
Diethylphthalate	ND	10										
Dimethylphthalate	ND	10										
Fluoranthene	ND	10										
Fluorene	ND	10										
Hexachlorobenzene	ND	10										
Hexachlorobutadiene	ND	20										
Hexachlorocyclopentadiene	ND	10										
Hexachloroethane	ND	10										
Indeno(1,2,3-cd)pyrene	ND	10										
Isophorone	ND	10										
N-Nitrosodi-n-propylamine	ND	10										
N-Nitrosodimethylamine	ND	50										
N-Nitrosodiphenylamine	ND	10										
Naphthalene	ND	10										
Nitrobenzene	ND	10										
Pentachlorophenol	ND	50										

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



ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N005171
Project: SFPP - Norwalk Site

TestCode: 8270_W_PGE

Sample ID: MB-36017	SampType: MBLK	TestCode: 8270_W_PGE	Units: µg/L	Prep Date:	RunNo: 78873							
Client ID: PBW	Batch ID: 36017	TestNo: EPA 8270C	EPA 3510C	Analysis Date: 1/21/2011	SeqNo: 1238317							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD	Ref Val	%RPD	RPDLimit	Qual

Phenanthrene	ND	10										
Phenol	ND	10										
Pyrene	ND	10										
Surr: 1,2-Dichlorobenzene-d4	76.480		100.0		76.5	27	100					
Surr: 2,4,6-Tribromophenol	95.320		100.0		95.3	42	124					
Surr: 2-Chlorophenol-d4	83.980		100.0		84.0	34	98					
Surr: 2-Fluorobiphenyl	78.760		100.0		78.8	48	120					
Surr: 2-Fluorophenol	84.720		100.0		84.7	20	120					
Surr: 4-Terphenyl-d14	104.570		100.0		105	51	135					
Surr: Nitrobenzene-d5	82.770		100.0		82.8	41	120					
Surr: Phenol-d5	87.080		100.0		87.1	20	120					

Qualifiers:

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



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

SFPP, L.P.
 Norwalk Pump Station
 ORDER NO. R4-2005-XXX
 NPDES NO. CA0063509

Attachment H – PRIORITY POLLUTANTS

CTR Number	Parameter	CAS Number	Suggested Analytical Methods
1	Antimony	7440360	EPA 6020/200.8
2	Arsenic	7440382	EPA 1632
3	Beryllium	7440417	EPA 6020/200.8
4	Cadmium	7440439	EPA 1638/200.8
5a	Chromium (III)	16065831	EPA 6020/200.8
5a	Chromium (VI)	18540299	EPA 7199/1636
6	Copper	7440508	EPA 6020/200.8
7	Lead	7439921	EPA 1638
8	Mercury	7439976	EPA 1669/1631
9	Nickel	7440020	EPA 6020/200.8
10	Selenium	7782492	EPA 6020/200.8
11	Silver	7440224	EPA 6020/200.8
12	Thallium	7440280	EPA 6020/200.8
13	Zinc	7440666	EPA 6020/200.8
14	Cyanide	57125	EPA 9012A
15	Asbestos	1332214	EPA/600/R-93/116(PCM)
16	2,3,7,8-TCDD	1746016	EPA 8290 (HRGC) MS
17	Acrolein	107028	EPA 8260B
18	Acrylonitrile	107131	EPA 8260B
19	Benzene	71432	EPA 8260B
20	Bromoform	75252	EPA 8260B
21	Carbon Tetrachloride	56235	EPA 8260B
22	Chlorobenzene	108907	EPA 8260B
23	Chlorodibromomethane	124481	EPA 8260B
24	Chloroethane	75003	EPA 8260B
25	2-Chloroethylvinyl Ether	110758	EPA 8260B
26	Chloroform	67663	EPA 8260B
27	Dichlorobromomethane	75274	EPA 8260B
28	1,1-Dichloroethane	75343	EPA 8260B
29	1,2-Dichloroethane	107062	EPA 8260B
30	1,1-Dichloroethylene	75354	EPA 8260B
31	1,2-Dichloropropane	78875	EPA 8260B
32	1,3-Dichloropropylene	542756	EPA 8260B
33	Ethylbenzene	100414	EPA 8260B
34	Methyl Bromide	74839	EPA 8260B
35	Methyl Chloride	74873	EPA 8260B
36	Methylene Chloride	75092	EPA 8260B
37	1,1,2,2-Tetrachloroethane	79345	EPA 8260B
38	Tetrachloroethylene	127184	EPA 8260B
39	Toluene	108883	EPA 8260B

SFPP, L.P.
 Norwalk Pump Station
 ORDER NO. R4-2005-XXX
 NPDES NO. CA0063509

40	1,2-Trans-Dichloroethylene	156605	EPA 8260B
41	1,1,1-Trichloroethane	71556	EPA 8260B
42	1,1,2-Trichloroethane	79005	EPA 8260B
43	Trichloroethylene	79016	EPA 8260B
44	Vinyl Chloride	75014	EPA 8260B
45	2-Chlorophenol	95578	EPA 8270C
46	2,4-Dichlorophenol	120832	EPA 8270C
47	2,4-Dimethylphenol	105679	EPA 8270C
48	2-Methyl-4,6-Dinitrophenol	534521	EPA 8270C
49	2,4-Dinitrophenol	51285	EPA 8270C
50	2-Nitrophenol	88755	EPA 8270C
51	4-Nitrophenol	100027	EPA 8270C
52	3-Methyl-4-Chlorophenol	59507	EPA 8270C
53	Pentachlorophenol	87865	EPA 8270C
54	Phenol	108952	EPA 8270C
55	2,4,6-Trichlorophenol	88062	EPA 8270C
56	Acenaphthene	83329	EPA 8270C
57	Acenaphthylene	208968	EPA 8270C
58	Anthracene	120127	EPA 8270C
59	Benzidine	92875	EPA 8270C
60	Benzo(a)Anthracene	56553	EPA 8270C
61	Benzo(a)Pyrene	50328	EPA 8270C
62	Benzo(b)Fluoranthene	205992	EPA 8270C
63	Benzo(ghi)Perylene	191242	EPA 8270C
64	Benzo(k)Fluoranthene	207089	EPA 8270C
65	Bis(2-Chloroethoxy)Methane	111911	EPA 8270C
66	Bis(2-Chloroethyl)Ether	111444	EPA 8270C
67	Bis(2-Chloroisopropyl)Ether	108601	EPA 8270C
68	Bis(2-Ethylhexyl)Phthalate	117817	EPA 8270C
69	4-Bromophenyl Phenyl Ether	101553	EPA 8270C
70	Butylbenzyl Phthalate	85687	EPA 8270C
71	2-Chloronaphthalene	91587	EPA 8270C
72	4-Chlorophenyl Phenyl Ether	7005723	EPA 8270C
73	Chrysene	218019	EPA 8270C
74	Dibenzo(a,h)Anthracene	53703	EPA 8270C
75	1,2-Dichlorobenzene	95501	EPA 8260B
76	1,3-Dichlorobenzene	541731	EPA 8260B
77	1,4-Dichlorobenzene	106467	EPA 8260B
78	3,3'-Dichlorobenzidine	91941	EPA 8270C
79	Diethyl Phthalate	84662	EPA 8270C
80	Dimethyl Phthalate	131113	EPA 8270C
81	Di-n-Butyl Phthalate	84742	EPA 8270C
82	2,4-Dinitrotoluene	121142	EPA 8270C
83	2,6-Dinitrotoluene	606202	EPA 8270C
84	Di-n-Octyl Phthalate	117840	EPA 8270C
85	1,2-Diphenylhydrazine	122667	EPA 8270C
86	Fluoranthene	206440	EPA 8270C
87	Fluorene	86737	EPA 8270C

SFPP, L.P.
 Norwalk Pump Station
 ORDER NO. R4-2005-XXX
 NPDES NO. CA0063509

88	Hexachlorobenzene	118741	EPA 8260B
89	Hexachlorobutadiene	87863	EPA 8260B
90	Hexachlorocyclopentadiene	77474	EPA 8270C
91	Hexachloroethane	67721	EPA 8260B
92	Indeno(1,2,3-cd)Pyrene	193395	EPA 8270C
93	Isophorone	78591	EPA 8270C
94	Naphthalene	91203	EPA 8260B
95	Nitrobenzene	98953	EPA 8270C
96	N-Nitrosodimethylamine	62759	EPA 8270C
97	N-Nitrosodi-n-Propylamine	621647	EPA 8270C
98	N-Nitrosodiphenylamine	86306	EPA 8270C
99	Phenanthrene	85018	EPA 8270C
100	Pyrene	129000	EPA 8270C
101	1,2,4-Trichlorobenzene	120821	EPA 8260B
102	Aldrin	309002	EPA 8081A
103	alpha-BHC	319846	EPA 8081A
104	beta-BHC	319857	EPA 8081A
105	gamma-BHC	58899	EPA 8081A
106	delta-BHC	319868	EPA 8081A
107	Chlordane	57749	EPA 8081A
108	4,4'-DDT	50293	EPA 8081A
109	4,4'-DDE	72559	EPA 8081A
110	4,4'-DDD	72548	EPA 8081A
111	Dieldrin	60571	EPA 8081A
112	alpha-Endosulfan	959988	EPA 8081A
113	beta-Endosulfan	33213659	EPA 8081A
114	Endosulfan Sulfate	1031078	EPA 8081A
115	Endrin	72208	EPA 8081A
116	Endrin Aldehyde	7421934	EPA 8081A
117	Heptachlor	76448	EPA 8081A
118	Heptachlor Epoxide	1024573	EPA 8081A
119	PCB-1016	12674112	EPA 8082
120	PCB-1221	11104282	EPA 8082
121	PCB-1232	11141165	EPA 8082
122	PCB-1242	53469219	EPA 8082
123	PCB-1248	12672296	EPA 8082
124	PCB-1254	11097691	EPA 8082
125	PCB-1260	11096825	EPA 8082
126	Toxaphene	8001352	EPA 8081A

Advanced Technology Laboratories, Inc.

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 (702) 307-2659.

Sample Receipt Checklist

Cooler Received/Opened On: 1/12/2011 Workorder: N005171
 Rep sample Temp (Deg C): 1.9, 2.1 IR Gun ID: 1
 Temp Blank: Yes No
 Carrier name: ATL
 Last 4 digits of Tracking No.: NA Packing Material Used: Bubble Wrap
 Cooling process: Ice Ice Pack Dry Ice Other None

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

Comments: Tests that will be subcontracted were sent directly to subcontract laboratories. COCs were sent on the morning of 1/12/11.

Checklist Completed By MBC

Reviewed By:

January 25, 2011



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

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196
ORELAP No.: CA300003

Workorder No.: 115728

RE:

Attention: Marlon Cartin

Enclosed are the results for sample(s) received on January 11, 2011 by Advanced Technology Laboratories . 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 (562)989-4045 if I can be of further assistance to your company.

Sincerely,

A handwritten signature in black ink, appearing to read "E. Rodriguez".

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



CLIENT: Advanced Technology Laboratory-Las Vega

Project:

Lab Order: 115728

CASE NARRATIVE

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



Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 25-Jan-11

CLIENT: Advanced Technology Laboratory-Las Vega **Client Sample ID:** N005171-001K/EFF-
Lab Order: 115728 **Collection Date:** 1/11/2011 12:05:00 PM
Project: **Matrix:** WATER
Lab ID: 115728-001A

Analyses Result MDL PQL Qual Units DF Date Analyzed

SETTLABLE MATTER

SM2540F

RunID: **WETCHEM_110112E** QC Batch: **69710** PrepDate: **1/12/2011** Analyst: **CBB**
Settleable Matter ND 0.11 0.11 ml/L 1 1/12/2011

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



Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 25-Jan-11

CLIENT: Advanced Technology Laboratory-Las Vega **Client Sample ID:** N005171-001M/EFF-
Lab Order: 115728 **Collection Date:** 1/11/2011 12:05:00 PM
Project: **Matrix:** WATER
Lab ID: 115728-001B

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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CYANIDE, TOTAL

SM4500-CN E

RunID: WETCHEM3_110117A	QC Batch: 69768			PrepDate: 1/15/2011	Analyst: CBB		
Cyanide	ND	0.0049	0.010	mg/L	1	1/17/2011	

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



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Laboratories*

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 25-Jan-11

CLIENT: Advanced Technology Laboratory-Las Vega **Client Sample ID:** N005171-001L/EFF-
Lab Order: 115728 **Collection Date:** 1/11/2011 12:05:00 PM
Project: **Matrix:** WATER
Lab ID: 115728-001C

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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PHENOLICS

EPA 420.1

RunID: WETCHEM3_110120C	QC Batch: 69936	PrepDate: 1/18/2011	Analyst: CBB	
Phenolics, Total Recoverable	ND 0.017	0.030	mg/L 1	1/20/2011

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



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 25-Jan-11

CLIENT: Advanced Technology Laboratory-Las Vega **Client Sample ID:** N005171-002H/UCC-
Lab Order: 115728 **Collection Date:** 1/11/2011 12:30:00 PM
Project: **Matrix:** WATER
Lab ID: 115728-002A

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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CYANIDE, TOTAL

SM4500-CN E

RunID: WETCHEM3_110117A	QC Batch: 69768	PrepDate: 1/15/2011	Analyst: CBB
Cyanide	ND 0.0049	0.010	mg/L 1 1/17/2011

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



Advanced Technology
Laboratories

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 25-Jan-11

CLIENT: Advanced Technology Laboratory-Las Vega	Client Sample ID: N005171-002G/UCC-
Lab Order: 115728	Collection Date: 1/11/2011 12:30:00 PM
Project:	Matrix: WATER
Lab ID: 115728-002B	

Analyses	Result	MDL	PQL	Qual Units	DF	Date Analyzed
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HARDNESS AS CALCIUM CARBONATE

SM2340C

RunID: WETCHEM_110117A	QC Batch: R128927	PrepDate:	Analyst: CBB
Hardness (As CaCO3)	650 3.3	8.0 mg/L	4 1/17/2011

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



*Advanced Technology
Laboratories*

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

CLIENT: Advanced Technology Laboratory-Las Vegas
 Work Order: 115728

ANALYTICAL QC SUMMARY REPORT

Project: TestCode: 2340C_CH2

Sample ID: MB-R128927	SampType: MBLK	TestCode: 2340C_CH2	Units: mg/L	Prep Date:	RunNo: 128927						
Client ID: PBW	Batch ID: R128927	TestNo: SM2340C		Analysis Date: 1/17/2011	SeqNo: 2089725						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hardness (As CaCO3)	Result	ND	2.0								

Sample ID: LCS-R128927	SampType: LCS	TestCode: 2340C_CH2	Units: mg/L	Prep Date:	RunNo: 128927						
Client ID: LCSW	Batch ID: R128927	TestNo: SM2340C		Analysis Date: 1/17/2011	SeqNo: 2089726						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hardness (As CaCO3)	Result	50.000	50.00	0	100	80	120				

Sample ID: 115728-002BDUP	SampType: DUP	TestCode: 2340C_CH2	Units: mg/L	Prep Date:	RunNo: 128927						
Client ID: N005171-002G/UCC-	Batch ID: R128927	TestNo: SM2340C		Analysis Date: 1/17/2011	SeqNo: 2089728						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hardness (As CaCO3)	Result	646.000	8.0		648.0	0.309	20				

Sample ID: 115728-002BMS	SampType: MS	TestCode: 2340C_CH2	Units: mg/L	Prep Date:	RunNo: 128927						
Client ID: N005171-002G/UCC-	Batch ID: R128927	TestNo: SM2340C		Analysis Date: 1/17/2011	SeqNo: 2089729						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hardness (As CaCO3)	Result	838.000	8.0	200.0	648.0	95.0	80	120			

Sample ID: 115728-002BMSD	SampType: MSD	TestCode: 2340C_CH2	Units: mg/L	Prep Date:	RunNo: 128927						
Client ID: N005171-002G/UCC-	Batch ID: R128927	TestNo: SM2340C		Analysis Date: 1/17/2011	SeqNo: 2089730						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hardness (As CaCO3)	Result	842.000	8.0	200.0	648.0	97.0	80	120	838.0	0.476	20

Qualifiers:

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

CLIENT: Advanced Technology Laboratory-Las Vegas
Work Order: 115728
Project:

ANALYTICAL QC SUMMARY REPORT

TestCode: 2540F_CH2

Sample ID: MB-69710	SampType: MBLK	TestCode: 2540F_CH2	Units: ml/L	Prep Date: 1/12/2011	RunNo: 128771						
Client ID: PBW	Batch ID: 69710	TestNo: SM2540F		Analysis Date: 1/12/2011	SeqNo: 2086838						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Settleable Matter

ND 0.10

Qualifiers:

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



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CLIENT: Advanced Technology Laboratory-Las Vegas
Work Order: 115728
Project: TestCode: 420.1_W_CH2

ANALYTICAL QC SUMMARY REPORT

Sample ID: 115728-001C-MS	SampType: MS	TestCode: 420.1_W_CH	Units: mg/L	Prep Date: 1/18/2011	RunNo: 129055						
Client ID: N005171-001L/EFF-	Batch ID: 69936	TestNo: EPA 420.1		Analysis Date: 1/20/2011	SeqNo: 2092274						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	2.462	0.030	2.500	0	98.5	80	120				

Sample ID: 115728-001C-MSD	SampType: MSD	TestCode: 420.1_W_CH	Units: mg/L	Prep Date: 1/18/2011	RunNo: 129055						
Client ID: N005171-001L/EFF-	Batch ID: 69936	TestNo: EPA 420.1		Analysis Date: 1/20/2011	SeqNo: 2092275						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	2.373	0.030	2.500	0	94.9	80	120	2.462	3.68	20	

Sample ID: LCS-69936	SampType: LCS	TestCode: 420.1_W_CH	Units: mg/L	Prep Date: 1/18/2011	RunNo: 129055						
Client ID: LCSW	Batch ID: 69936	TestNo: EPA 420.1		Analysis Date: 1/20/2011	SeqNo: 2092277						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	2.368	0.030	2.500	0	94.7	80	120				

Sample ID: MB-69936	SampType: MBLK	TestCode: 420.1_W_CH	Units: mg/L	Prep Date: 1/18/2011	RunNo: 129055						
Client ID: PBW	Batch ID: 69936	TestNo: EPA 420.1		Analysis Date: 1/20/2011	SeqNo: 2092278						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	ND	0.030									

Qualifiers:

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

CLIENT: Advanced Technology Laboratory-Las Vegas
Work Order: 115728
Project:

ANALYTICAL QC SUMMARY REPORT

TestCode: 4500CNE_W_CH2

Sample ID: 115728-001B-MS	SampType: MS	TestCode: 4500CNE_W_	Units: mg/L	Prep Date: 1/15/2011	RunNo: 128866						
Client ID: N005171-001M/EFF-	Batch ID: 69768	TestNo: SM4500-CN E		Analysis Date: 1/17/2011	SeqNo: 2088636						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.399	0.010	0.4000	0	99.8	80	120				

Sample ID: 115728-001B-MSD	SampType: MSD	TestCode: 4500CNE_W_	Units: mg/L	Prep Date: 1/15/2011	RunNo: 128866						
Client ID: N005171-001M/EFF-	Batch ID: 69768	TestNo: SM4500-CN E		Analysis Date: 1/17/2011	SeqNo: 2088637						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.387	0.010	0.4000	0	96.8	80	120	0.3990	3.05	20	

Sample ID: LCS-69768	SampType: LCS	TestCode: 4500CNE_W_	Units: mg/L	Prep Date: 1/15/2011	RunNo: 128866						
Client ID: LCSW	Batch ID: 69768	TestNo: SM4500-CN E		Analysis Date: 1/17/2011	SeqNo: 2088641						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.383	0.010	0.4000	0	95.8	80	120				

Sample ID: MB-69768	SampType: MBLK	TestCode: 4500CNE_W_	Units: mg/L	Prep Date: 1/15/2011	RunNo: 128866						
Client ID: PBW	Batch ID: 69768	TestNo: SM4500-CN E		Analysis Date: 1/17/2011	SeqNo: 2088642						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	ND	0.010									

Qualifiers:

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



3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

Carmen Aguila

From: Marlon Cartin [marlon@atl-labs.com]
Sent: Wednesday, January 12, 2011 11:03 AM
To: Carmen Aguila; Rachelle Arada
Subject: Sub-COC
Attachments: Sub COC for ATLSH.pdf

Hi Carmen!

Attached is the Sub COC for the samples I dropped-off yesterday.

Thanks,

Marlon Cartin



Advanced Technology Laboratories, Inc.

www.atl-labs.com

Tel: (702) 307-2659 ext. 410

Fax: (702) 307-2691

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

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Advanced Technology Laboratories

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

CHAIN-OF-CUSTODY RECORD

QC Level: RTNE

Subcontractor:

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

TEL: (552) 989-4045
FAX: (552) 989-4045
Acct #:

Field Sampler: *J. DYE*

12-Jan-11

Sample ID	Matrix	Date Collected	Bottle Type	EPA 420.1	Requested Tests
<i>1/5796</i> N005171-001K / EFF-	Water	1/11/2011 12:05:00 PM	320ZP	1	SM 4500-CN CE SM2340C
N005171-001L / EFF-	Water	1/11/2011 12:05:00 PM	320ZA		
N005171-001M / EFF-	Water	1/11/2011 12:05:00 PM	160ZP		1
N005171-002G / UCC-	Water	1/11/2011 12:30:00 PM	320ZA		
N005171-002H / UCC-	Water	1/11/2011 12:30:00 PM	160ZP		1

General Comments: Please email sample receipt acknowledgement to the PM

Please use PO#: N005171 Please fax results by: 5 Day TAT

Please analyze for Phenols by 420.1, Set. Solids by 2540F, CN Total by 4500CN. Please follow the sample ID on this Sub-COC. Sample N005171-001 is the Effluent sample and the N005171-002 is the Coyote Creek sample when cross referenced with the initial COC

Date/Time

Date/Time

Relinquished by:

Received by:

Relinquished by:

Received by:

1/12/11

1/12/11



Advanced Technology Laboratories

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

CHAIN-OF-CUSTODY RECORD

QC Level: RTNE

Subcontractor:

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

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

Field Sampler: *J. DYE*

12-Jan-11

Requested Tests

Sample ID	Matrix	Date Collected	Bottle Type	SM2540F
<i>11578-01A</i> N005171-001K / EFF-	Water	1/11/2011 12:05:00 PM	320ZP	1
<i>-D10</i> N005171-001L / EFF-	Water	1/11/2011 12:05:00 PM	320ZA	
<i>-D18</i> N005171-001M / EFF-	Water	1/11/2011 12:05:00 PM	160ZP	
<i>-R24</i> N005171-002G / UCC-	Water	1/11/2011 12:30:00 PM	320ZA	
<i>-R2A</i> N005171-002H / UCC-	Water	1/11/2011 12:30:00 PM	160ZP	

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

Please use PO#: N005171 Please fax results by: 5 Day TAT

Please analyze for Phenols by 420.1, Set Solids by 2540F, CN Total by 4500CN. Please follow the sample ID on this Sub-COC. Sample N005171-001 is the Effluent sample and the N005171-002 is the Coyote Creek sample when cross referenced with the initial COC

Date/Time

Date/Time

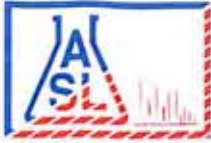
Relinquished by:

1/12/11

Received by:

Relinquished by:

Received by:



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

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

Telephone (702) 307-3245
Attn Marlon Cartin

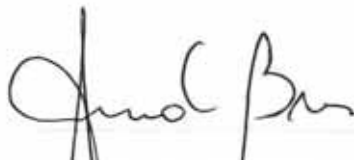
Number of Pages 2

Date Received 01/11/2011
Date Reported 01/18/2011

Job Number	Ordered	Client
48416	01/11/2011	ATL-LV

Project ID: N005171
Project Name: SFPP - Norwalk

Enclosed are the results of analyses on 1 sample analyzed as specified on attached chain of custody.


Amolk MOLKY Brar
Laboratory Manager


Rojert G. Araghi
Laboratory Director

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

- 1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
- 2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

ASL JOB # 48416

CHAIN-OF-CUSTODY RECORD

Advanced Technology Laboratories

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



QC Level: RTNE

Subcontractor:

American Scientific Laboratory
2520 N. San Fernando Rd.
Los Angeles, CA 90065

TEL: (323) 254-7700
FAX: (323) 254-7799
Acct #:

Field Sampler *J. DYE*

12-Jan-11

Requested Tests

Sample ID	Matrix	Date Collected	Bottle Type	SM
ND05171-001P / EFF.	Water	1/11/2011 12:05:00 PM	16OZP	SM 5210 B
<i>lab. I.D.</i>				
<i>263450</i>				1

General Comments: Please email sample receipt acknowledgement to the PM.
Please use PO# N005171 Please fax results by Normal TAT
Please analyze for BOD by 5210.

Date/Time

1/12/11

Received by:

Alex

1-11-11

15:50

Relinquished by:

Relinquished by:



AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

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

Telephone: (702)307-3245

Attn: Marlon Cartin

Page: 2

Project ID: N005171
 Project Name: SFPP - Norwalk

ASL Job Number	Submitted	Client
48416	01/11/2011	ATL-LV

Method: SM5210B, Biochemical Oxygen Demand (BOD)

QC Batch No: 011711-1

Our Lab I.D.		263450				
Client Sample I.D.		N005171-001 P/EFF				
Date Sampled		01/11/2011				
Date Prepared		01/12/2011				
Preparation Method						
Date Analyzed		01/17/2011				
Matrix		Water				
Units		mg/L				
Dilution Factor		1				
Analytes	PQL	Results				
Conventionals						
BOD @ 20C	5.00	ND				

QUALITY CONTROL REPORT

QC Batch No: 011711-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit				
Conventionals									
BOD @ 20C	102	102	<1	80-120	20				

142579

CHAIN-OF-CUSTODY RECORD

Advanced Technology Laboratories

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



QC Level: RTNE

Subcontractor:

EMS Laboratories
117 W. Bellevue Dr.
Pasadena, CA 91105

TEL: (626) 568-4065
FAX: (626) 796-5282
Accl #:

Field Sampler: J. DYE

12-Jan-11

Requested Tests

Sample ID	Matrix	Date Collected	Bottle Type	Asb_PLM
N005171-001N / EFF-	Water	1/11/2011 12:05:00 PM	32OZP	1
N005171-002I / UCC-	Water	1/11/2011 12:30:00 PM	32OZP	1

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

Please use PO#: N005171

Please fax results by: Normal TAT

Please analyze for Asbestos by 100.2.

Relinquished by:

Relinquished by:

Date/Time

1/12/11

Received by:

Received by:

Date/Time

1/10/11 11:00AM

DATE: January 18, 2011
CUSTOMER: Advanced Technology Laboratories
3151-3153 W. Post Road
Las Vegas, NV 89118
ATTENTION: Marlon
REPORT NO: 142579
REFERENCE: PO#N005171
DATE RECEIVED: January 12, 2011 at 1100
DATE ANALYZED: January 18, 2011
SUBJECT: ANALYSIS OF WATER SAMPLES FOR ASBESTOS BY TEM
ACCREDITATION: California Dept. of Health Services ELAP 1119

The date and times of collection and filtration are as follows:

<u>Sample</u>	<u>Date/Time of Collection</u>	<u>Date/Time of Filtration</u>
N005171-001N	1/11/11 1205	1/12/11 1220
N005171-002	1/11/11 1230	1/12/11 1222

In the drinking water document, EPA 600 R 94 134, 100.2, samples are analyzed for fibers >10 um in length. The regulation calls for ar MCL (maximum contaminant level) of 7 MFL (million of fibers per liter) and an analytical sensitivity of 0.2 MFL.

The analytical sensitivity of 0.2 MFL was reached for sample # N005171-002.

The sample# N005171-001N was turbid. An additional 0.0846mm² was analyzed to reach 0.2MFL.

The results of the analysis and the detection limit(s) are summarized on the following page(s), accompanied by the chain of custody.

Respectfully submitted,
EMS Laboratories, Inc.



B.M. Kolk
Laboratory Director
BMK/vm

Note: The report shall not be reproduced, except in full without the written approval of EMS Laboratories, Inc.

Note: The results of the analysis are based upon the sample submitted to the laboratory. No representation is made regarding the sampling area other than that implied by the analytical results for the immediate vicinity of the samples analyzed as calculated from the data presented with those samples. All the analytical quality control data meet the requirement of the procedure unless otherwise indicated. Any deviation or exclusion from the test method is noted in this cover letter. Unless otherwise noted in this cover letter the samples were received properly packaged, clearly identified and intact.

ANALYSIS OF WATER BY TEM (EPA-600 R 94 134) EPA 100.2

LAB NO: 142579
 CUSTOMER: Advanced Technology Laboratories
 1/18/2011

Laboratory I.D.	Client I.D.	FILTER MEDIA DATA			No. of G.O.	Analyzed Area, mm ²	Sample Volume (ml)
		Type	Diameter mm	Effective Area mm ²			
142579-001N	N005171-001N*	PC	47	1017	19	0.1786	30
142579-002	N005171-002*	PC	47	1017	10	0.094	60


* FOR FIBERS > 10um ONLY

ANALYTICAL RESULTS

Laboratory I.D.	Client I.D.	No. of Asbestos Str.			Detection Limit (MFL)	CONCENTRATION (MFL)		
		All Sizes	5-9.9um	>10um		All Sizes	5-9.9um	>10um
142579-001N	N005171-001N*	-	-	N.D.	0.2	-	-	<0.2
142579-002	N005171-002*	-	-	N.D.	0.2	-	-	<0.2

* FOR FIBERS > 10um ONLY

The analysis was carried out to the approved TEM method. This laboratory is in compliance with the quality specified by the method.



 Authorized Signature

PC - Polycarbonate
 MCE - Mixed cellulose ester
 G.O. - Grid Openings
 Str - Structures
 MFL - Millions of fibers per liter

TEM-7A (2009Rev.)

February 01, 2011

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

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

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

Workorder No.: N005171

RE: SFPP - Norwalk Site

Attention: Daniel Jablonski

Enclosed are the results for sample(s) received on January 11, 2011 by Advanced Technology Laboratories, Inc. . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

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

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

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

Sincerely,



Jose Tenorio Jr.
Laboratory Director

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



*Advanced Technology
Laboratories*

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

Advanced Technology Laboratories, Inc.

ANALYTICAL RESULTS

Print Date: 01-Feb-11

CLIENT: CH2M HILL
Lab Order: N005171
Project: SFPP - Norwalk Site
Lab ID: N005171-001F

Client Sample ID: EFF-
Collection Date: 1/11/2011 12:05:00 PM
Matrix: WATER

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

EPA 8260B

RunID:	MS1_110120B	QC Batch:	D11VW007	PrepDate:	Analyst:	QBM
1,1,1-Trichloroethane	ND	0.068	1.0	µg/L	1	1/20/2011 11:38 AM
1,1,2,2-Tetrachloroethane	ND	0.054	1.0	µg/L	1	1/20/2011 11:38 AM
1,1,2-Trichloroethane	ND	0.083	1.0	µg/L	1	1/20/2011 11:38 AM
1,1-Dichloroethane	ND	0.099	0.50	µg/L	1	1/20/2011 11:38 AM
1,1-Dichloroethene	ND	0.094	1.0	µg/L	1	1/20/2011 11:38 AM
1,2,4-Trichlorobenzene	ND	0.12	1.0	µg/L	1	1/20/2011 11:38 AM
1,2-Dichlorobenzene	ND	0.070	1.0	µg/L	1	1/20/2011 11:38 AM
1,2-Dichloroethane	ND	0.17	0.50	µg/L	1	1/20/2011 11:38 AM
1,3-Dichlorobenzene	ND	0.090	1.0	µg/L	1	1/20/2011 11:38 AM
1,3-Dichloropropane	ND	0.074	1.0	µg/L	1	1/20/2011 11:38 AM
1,4-Dichlorobenzene	ND	0.092	1.0	µg/L	1	1/20/2011 11:38 AM
2-Butanone	ND	1.0	10	µg/L	1	1/20/2011 11:38 AM
2-Chloroethyl vinyl ether	ND	0.14	1.0	µg/L	1	1/20/2011 11:38 AM
Acrolein	ND	4.3	20	µg/L	1	1/25/2011 10:48 PM
Acrylonitrile	ND	0.61	20	µg/L	1	1/25/2011 10:48 PM
Benzene	ND	0.075	1.0	µg/L	1	1/20/2011 11:38 AM
Bromodichloromethane	ND	0.063	1.0	µg/L	1	1/20/2011 11:38 AM
Bromoform	ND	0.086	1.0	µg/L	1	1/20/2011 11:38 AM
Bromomethane	ND	0.13	1.0	µg/L	1	1/20/2011 11:38 AM
Carbon tetrachloride	ND	0.10	1.0	µg/L	1	1/20/2011 11:38 AM
Chlorobenzene	ND	0.092	1.0	µg/L	1	1/20/2011 11:38 AM
Chloroethane	ND	0.14	1.0	µg/L	1	1/20/2011 11:38 AM
Chloroform	ND	0.058	1.0	µg/L	1	1/20/2011 11:38 AM
Chloromethane	ND	0.054	1.0	µg/L	1	1/20/2011 11:38 AM
cis-1,2-Dichloroethene	ND	0.11	1.0	µg/L	1	1/20/2011 11:38 AM
cis-1,3-Dichloropropene	ND	0.10	1.0	µg/L	1	1/20/2011 11:38 AM
Dibromochloromethane	ND	0.061	1.0	µg/L	1	1/20/2011 11:38 AM
Ethylbenzene	ND	0.051	1.0	µg/L	1	1/20/2011 11:38 AM
Hexachlorobutadiene	ND	0.17	1.0	µg/L	1	1/20/2011 11:38 AM
m,p-Xylene	ND	0.17	1.0	µg/L	1	1/20/2011 11:38 AM
Methylene chloride	ND	0.10	5.0	µg/L	1	1/20/2011 11:38 AM
MTBE	14	0.089	1.0	µg/L	1	1/20/2011 11:38 AM
Naphthalene	ND	0.056	1.0	µg/L	1	1/20/2011 11:38 AM
o-Xylene	ND	0.077	1.0	µg/L	1	1/20/2011 11:38 AM
Tetrachloroethene	ND	0.13	1.0	µg/L	1	1/20/2011 11:38 AM

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



*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-
Lab Order: N005171	Collection Date: 1/11/2011 12:05:00 PM
Project: SFPP - Norwalk Site	Matrix: WATER
Lab ID: N005171-001F	

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

EPA 8260B

RunID: MS1_110120B	QC Batch: D11VW007	PrepDate:	Analyst: QBM
Toluene	ND 0.12	2.5 µg/L	1 1/20/2011 11:38 AM
trans-1,2-Dichloroethene	ND 0.094	1.0 µg/L	1 1/20/2011 11:38 AM
trans-1,3-Dichloropropene	ND 0.10	1.0 µg/L	1 1/20/2011 11:38 AM
Trichloroethene	ND 0.060	1.0 µg/L	1 1/20/2011 11:38 AM
Vinyl chloride	ND 0.12	1.0 µg/L	1 1/20/2011 11:38 AM
Surr: 1,2-Dichloroethane-d4	78.2 0	72-119 %REC	1 1/20/2011 11:38 AM
Surr: 4-Bromofluorobenzene	109 0	76-119 %REC	1 1/20/2011 11:38 AM
Surr: Dibromofluoromethane	85.2 0	85-115 %REC	1 1/20/2011 11:38 AM
Surr: Toluene-d8	110 0	81-120 %REC	1 1/20/2011 11:38 AM

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



Advanced Technology Laboratories, Inc.

ANALYTICAL RESULTS

Print Date: 01-Feb-11

CLIENT: CH2M HILL
Lab Order: N005171
Project: SFPP - Norwalk Site
Lab ID: N005171-002B

Client Sample ID: UCC-
Collection Date: 1/11/2011 12:30:00 PM
Matrix: WATER

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

EPA 8260B

RunID:	MS1_110120B	QC Batch:	D11VW007	PrepDate:	Analyst:	QBM
1,1,1-Trichloroethane	ND	0.068	1.0	µg/L	1	1/20/2011 12:01 PM
1,1,2,2-Tetrachloroethane	ND	0.054	1.0	µg/L	1	1/20/2011 12:01 PM
1,1,2-Trichloroethane	ND	0.083	1.0	µg/L	1	1/20/2011 12:01 PM
1,1-Dichloroethane	ND	0.099	0.50	µg/L	1	1/20/2011 12:01 PM
1,1-Dichloroethene	ND	0.094	1.0	µg/L	1	1/20/2011 12:01 PM
1,2,4-Trichlorobenzene	ND	0.12	1.0	µg/L	1	1/20/2011 12:01 PM
1,2-Dichlorobenzene	ND	0.070	1.0	µg/L	1	1/20/2011 12:01 PM
1,2-Dichloroethane	ND	0.17	0.50	µg/L	1	1/20/2011 12:01 PM
1,3-Dichlorobenzene	ND	0.090	1.0	µg/L	1	1/20/2011 12:01 PM
1,3-Dichloropropane	ND	0.074	1.0	µg/L	1	1/20/2011 12:01 PM
1,4-Dichlorobenzene	ND	0.092	1.0	µg/L	1	1/20/2011 12:01 PM
2-Butanone	ND	1.0	10	µg/L	1	1/20/2011 12:01 PM
2-Chloroethyl vinyl ether	ND	0.14	1.0	µg/L	1	1/20/2011 12:01 PM
Acrolein	ND	4.3	20	µg/L	1	1/25/2011 10:04 PM
Acrylonitrile	ND	0.61	20	µg/L	1	1/25/2011 10:04 PM
Benzene	ND	0.075	1.0	µg/L	1	1/20/2011 12:01 PM
Bromodichloromethane	ND	0.063	1.0	µg/L	1	1/20/2011 12:01 PM
Bromoform	ND	0.086	1.0	µg/L	1	1/20/2011 12:01 PM
Bromomethane	ND	0.13	1.0	µg/L	1	1/20/2011 12:01 PM
Carbon tetrachloride	ND	0.10	1.0	µg/L	1	1/20/2011 12:01 PM
Chlorobenzene	ND	0.092	1.0	µg/L	1	1/20/2011 12:01 PM
Chloroethane	ND	0.14	1.0	µg/L	1	1/20/2011 12:01 PM
Chloroform	ND	0.058	1.0	µg/L	1	1/20/2011 12:01 PM
Chloromethane	ND	0.054	1.0	µg/L	1	1/20/2011 12:01 PM
cis-1,2-Dichloroethene	ND	0.11	1.0	µg/L	1	1/20/2011 12:01 PM
cis-1,3-Dichloropropene	ND	0.10	1.0	µg/L	1	1/20/2011 12:01 PM
Dibromochloromethane	ND	0.061	1.0	µg/L	1	1/20/2011 12:01 PM
Ethylbenzene	ND	0.051	1.0	µg/L	1	1/20/2011 12:01 PM
Hexachlorobutadiene	ND	0.17	1.0	µg/L	1	1/20/2011 12:01 PM
m,p-Xylene	ND	0.17	1.0	µg/L	1	1/20/2011 12:01 PM
Methylene chloride	ND	0.10	5.0	µg/L	1	1/20/2011 12:01 PM
MTBE	ND	0.089	1.0	µg/L	1	1/20/2011 12:01 PM
Naphthalene	ND	0.056	1.0	µg/L	1	1/20/2011 12:01 PM
o-Xylene	ND	0.077	1.0	µg/L	1	1/20/2011 12:01 PM
Tetrachloroethene	ND	0.13	1.0	µg/L	1	1/20/2011 12:01 PM

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

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



*Advanced Technology
Laboratories*

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

CLIENT: CH2M HILL
Lab Order: N005171
Project: SFPP - Norwalk Site
Lab ID: N005171-002B

Client Sample ID: UCC-
Collection Date: 1/11/2011 12:30:00 PM
Matrix: WATER

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

EPA 8260B

RunID: MS1_110120B	QC Batch: D11VW007	PrepDate:	Analyst: QBM
Toluene	ND 0.12	2.5 µg/L	1 1/20/2011 12:01 PM
trans-1,2-Dichloroethene	ND 0.094	1.0 µg/L	1 1/20/2011 12:01 PM
trans-1,3-Dichloropropene	ND 0.10	1.0 µg/L	1 1/20/2011 12:01 PM
Trichloroethene	ND 0.060	1.0 µg/L	1 1/20/2011 12:01 PM
Vinyl chloride	ND 0.12	1.0 µg/L	1 1/20/2011 12:01 PM
Surr: 1,2-Dichloroethane-d4	81.6 0	72-119 %REC	1 1/20/2011 12:01 PM
Surr: 4-Bromofluorobenzene	111 0	76-119 %REC	1 1/20/2011 12:01 PM
Surr: Dibromofluoromethane	88.4 0	85-115 %REC	1 1/20/2011 12:01 PM
Surr: Toluene-d8	112 0	81-120 %REC	1 1/20/2011 12:01 PM

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



ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL

Work Order: N005171

Project: SFPP - Norwalk Site

TestCode: 8260_WP_LLPGE

Sample ID:	D110120LCS	SampType:	LCS	TestCode:	8260_WP_LL	Units:	µg/L	Prep Date:	RunNo:	78900	
Client ID:	LCSW	Batch ID:	D111VW007	TestNo:	EPA 8260B			Analysis Date:	SeqNo:	1239133	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	21.580	1.0	25.00	0	86.3	67	132				
1,1,2,2-Tetrachloroethane	27.010	1.0	25.00	0	108	63	128				
1,1,2-Trichloroethane	25.800	1.0	25.00	0	103	75	125				
1,1-Dichloroethane	25.800	0.50	25.00	0	103	69	133				
1,1-Dichloroethene	25.500	1.0	25.00	0	102	68	130				
1,2,4-Trichlorobenzene	27.330	1.0	25.00	0	109	66	134				
1,2-Dichlorobenzene	26.340	1.0	25.00	0	105	71	122				
1,2-Dichloroethane	26.410	0.50	25.00	0	106	69	132				
1,3-Dichlorobenzene	26.600	1.0	25.00	0	106	75	124				
1,3-Dichloropropane	26.070	1.0	25.00	0	104	73	126				
1,4-Dichlorobenzene	26.530	1.0	25.00	0	106	74	123				
2-Butanone	321.090	10	250.0	0	128	49	136				
2-Chloroethyl vinyl ether	26.630	1.0	25.00	0	107	70	130				
Benzene	25.290	1.0	25.00	0	101	81	122				
Bromodichloromethane	22.790	1.0	25.00	0	91.2	76	121				
Bromoform	24.630	1.0	25.00	0	98.5	69	128				
Bromomethane	25.090	1.0	25.00	0	100	53	141				
Carbon tetrachloride	21.710	1.0	25.00	0	86.8	66	138				
Chlorobenzene	25.890	1.0	25.00	0	104	81	122				
Chloroethane	27.940	1.0	25.00	0	112	58	133				
Chloroform	26.350	1.0	25.00	0	105	69	128				
Chloromethane	25.350	1.0	25.00	0	101	56	131				
cis-1,2-Dichloroethene	26.180	1.0	25.00	0	105	72	126				
cis-1,3-Dichloropropene	25.610	1.0	25.00	0	102	69	131				
Dibromochloromethane	25.020	1.0	25.00	0	100	66	133				
Ethylbenzene	26.040	1.0	25.00	0	104	73	127				
Hexachlorobutadiene	26.680	1.0	25.00	0	107	67	131				
m,p-Xylene	52.850	1.0	50.00	0	106	76	128				
Methylene chloride	24.140	5.0	25.00	0	96.6	63	137				

Qualifiers:

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



CLIENT: CH2M HILL
Work Order: N005171
Project: SPPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LLPGE

Sample ID: D110120LCS	SampType: LCS	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 78900						
Client ID: LCSW	Batch ID: D111VW007	TestNo: EPA 8260B		Analysis Date: 1/20/2011	SeqNo: 1239133						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MTBE	24.200	1.0	25.00	0	96.8	65	123				
Naphthalene	27.040	1.0	25.00	0	108	54	138				
o-Xylene	25.610	1.0	25.00	0	102	80	121				
Tetrachloroethene	26.570	1.0	25.00	0	106	66	128				
Toluene	24.880	2.5	25.00	0	99.5	77	122				
trans-1,2-Dichloroethene	24.550	1.0	25.00	0	98.2	63	137				
trans-1,3-Dichloropropene	26.570	1.0	25.00	0	106	59	135				
Trichloroethene	24.830	1.0	25.00	0	99.3	70	127				
Vinyl chloride	24.960	1.0	25.00	0	99.8	50	134				
Surr: 1,2-Dichloroethane-d4	25.450		25.00		102	72	119				
Surr: 4-Bromofluorobenzene	25.180		25.00		101	76	119				
Surr: Dibromofluoromethane	25.980		25.00		104	85	115				
Surr: Toluene-d8	25.180		25.00		101	81	120				

Sample ID: N005171-001FMS	SampType: MS	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 78900						
Client ID: ZZZZZZ	Batch ID: D111VW007	TestNo: EPA 8260B		Analysis Date: 1/20/2011	SeqNo: 1239134						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	21.010	1.0	25.00	0	84.0	67	132				
1,1,2,2-Tetrachloroethane	21.750	1.0	25.00	0	87.0	63	128				
1,1,2-Trichloroethane	21.240	1.0	25.00	0	85.0	75	125				
1,1-Dichloroethane	24.450	0.50	25.00	0	97.8	69	133				
1,1-Dichloroethene	25.170	1.0	25.00	0	101	68	130				
1,2,4-Trichlorobenzene	28.240	1.0	25.00	0	113	66	134				
1,2-Dichlorobenzene	25.800	1.0	25.00	0	103	71	122				
1,2-Dichloroethane	22.030	0.50	25.00	0	88.1	69	132				
1,3-Dichlorobenzene	27.290	1.0	25.00	0	109	75	124				
1,3-Dichloropropane	22.850	1.0	25.00	0	91.4	73	126				
1,4-Dichlorobenzene	27.080	1.0	25.00	0	108	74	123				
2-Butanone	105.490	10	250.0	0	42.2	49	136				S

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: N005171
Project: SEPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LLPGE

Sample ID: N005171-001FMS	SampType: MS	TestCode: 8260_WP_LL	Units: µg/L
Client ID: ZZZZZZ	Batch ID: D111VW007	TestNo: EPA 8260B	
Prep Date:		RunNo: 78900	
Analysis Date: 1/20/2011		SeqNo: 1239134	

Analyte	Result	PQL	SPK value	SPK Ref Val	Units	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Chloroethyl vinyl ether	27.230	1.0	25.00	0		109	70	130				
Benzene	24.820	1.0	25.00	0		99.3	81	122				
Bromodichloromethane	21.290	1.0	25.00	0		85.2	76	121				
Bromoform	20.750	1.0	25.00	0		83.0	69	128				
Bromomethane	24.580	1.0	25.00	0		98.3	53	141				
Carbon tetrachloride	21.650	1.0	25.00	0		86.6	66	138				
Chlorobenzene	26.200	1.0	25.00	0		105	81	122				
Chloroethane	27.670	1.0	25.00	0		111	58	133				
Chloroform	24.270	1.0	25.00	0		97.1	69	128				
Chloromethane	25.230	1.0	25.00	0		101	56	131				
cis-1,2-Dichloroethene	24.530	1.0	25.00	0		98.1	72	126				
cis-1,3-Dichloropropene	23.300	1.0	25.00	0		93.2	69	131				
Dibromochloromethane	22.480	1.0	25.00	0		89.9	66	133				
Ethylbenzene	27.220	1.0	25.00	0		109	73	127				
Hexachlorobutadiene	29.430	1.0	25.00	0		118	67	131				
m,p-Xylene	55.350	1.0	50.00	0		111	76	128				
Methylene chloride	22.170	5.0	25.00	0		88.7	63	137				
MTBE	33.880	1.0	25.00	14.30		78.3	65	123				
Naphthalene	23.690	1.0	25.00	0		94.8	54	138				
o-Xylene	26.540	1.0	25.00	0		106	80	121				
Tetrachloroethene	28.120	1.0	25.00	0		112	66	128				
Toluene	24.650	2.5	25.00	0		98.6	77	122				
trans-1,2-Dichloroethene	23.460	1.0	25.00	0		93.8	63	137				
trans-1,3-Dichloropropene	22.760	1.0	25.00	0		91.0	59	135				
Trichloroethene	25.180	1.0	25.00	0		101	70	127				
Vinyl chloride	24.820	1.0	25.00	0		99.3	50	134				
Surr: 1,2-Dichloroethane-d4	21.500		25.00			86.0	72	119				
Surr: 4-Bromofluorobenzene	25.920		25.00			104	76	119				
Surr: Dibromofluoromethane	23.740		25.00			95.0	85	115				
Surr: Toluene-d8	25.770		25.00			103	81	120				

Qualifiers:

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



CLIENT: CH2M HILL
Work Order: N005171
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LLPG

Analyte	Result	PQL	SPK value	SPK Ref Val	Units: µg/L	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	Prep Date:	
													TestCode: 8260_WP_LL	RunNo: 78900
Client ID: ZZZZZZ	Batch ID: D11VW007													
													Analysis Date: 1/20/2011	SeqNo: 1239135
1,1,1-Trichloroethane	20.530	1.0	25.00	0		82.1	67	132	21.01	2.31	20			
1,1,2,2-Tetrachloroethane	21.560	1.0	25.00	0		86.2	63	128	21.75	0.877	20			
1,1,2-Trichloroethane	20.960	1.0	25.00	0		83.8	75	125	21.24	1.33	20			
1,1-Dichloroethane	24.210	0.50	25.00	0		96.8	69	133	24.45	0.986	20			
1,1-Dichloroethene	24.770	1.0	25.00	0		99.1	68	130	25.17	1.60	20			
1,2,4-Trichlorobenzene	27.900	1.0	25.00	0		112	66	134	28.24	1.21	20			
1,2-Dichlorobenzene	25.820	1.0	25.00	0		103	71	122	25.80	0.0775	20			
1,2-Dichloroethane	22.300	0.50	25.00	0		89.2	69	132	22.03	1.22	20			
1,3-Dichlorobenzene	27.080	1.0	25.00	0		108	75	124	27.29	0.772	20			
1,3-Dichloropropane	22.280	1.0	25.00	0		89.1	73	126	22.85	2.53	20			
1,4-Dichlorobenzene	26.740	1.0	25.00	0		107	74	123	27.08	1.26	20			
2-Butanone	102.380	10	250.0	0		41.0	49	136	105.5	2.99	20			S
2-Chloroethyl vinyl ether	27.300	1.0	25.00	0		109	70	130	27.23	0.257	20			
Benzene	24.990	1.0	25.00	0		100	81	122	24.82	0.683	20			
Bromodichloromethane	21.010	1.0	25.00	0		84.0	76	121	21.29	1.32	20			
Bromoform	20.280	1.0	25.00	0		81.1	69	128	20.75	2.29	20			
Bromomethane	24.420	1.0	25.00	0		97.7	53	141	24.58	0.653	20			
Carbon tetrachloride	21.830	1.0	25.00	0		87.3	66	138	21.65	0.828	20			
Chlorobenzene	25.960	1.0	25.00	0		104	81	122	26.20	0.920	20			
Chloroethane	27.690	1.0	25.00	0		111	58	133	27.67	0.0723	20			
Chloroform	24.070	1.0	25.00	0		96.3	69	128	24.27	0.827	20			
Chloromethane	25.010	1.0	25.00	0		100	56	131	25.23	0.876	20			
cis-1,2-Dichloroethene	24.160	1.0	25.00	0		96.6	72	126	24.53	1.52	20			
cis-1,3-Dichloropropene	23.200	1.0	25.00	0		92.8	69	131	23.30	0.430	20			
Dibromochloromethane	21.730	1.0	25.00	0		86.9	66	133	22.48	3.39	20			
Ethylbenzene	26.820	1.0	25.00	0		107	73	127	27.22	1.48	20			
Hexachlorobutadiene	29.030	1.0	25.00	0		116	67	131	29.43	1.37	20			
m,p-Xylene	54.790	1.0	50.00	0		110	76	128	55.35	1.02	20			
Methylene chloride	22.030	5.0	25.00	0		88.1	63	137	22.17	0.633	20			
MTBE	32.720	1.0	25.00	14.30		73.7	65	123	33.88	3.48	20			

Qualifiers:

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

CLIENT: CH2M HILL
Work Order: N005171
Project: SPPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LLPGE

Sample ID: N005171-001FMSD	SampType: MSD	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 78900						
Client ID: ZZZZZZ	Batch ID: D111VW007	TestNo: EPA 8260B		Analysis Date: 1/20/2011	SeqNo: 1239135						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	22.630	1.0	25.00	0	90.5	54	138	23.69	4.58	20	
o-Xylene	26.020	1.0	25.00	0	104	80	121	26.54	1.98	20	
Tetrachloroethene	27.400	1.0	25.00	0	110	66	128	28.12	2.59	20	
Toluene	24.870	2.5	25.00	0	99.5	77	122	24.65	0.889	20	
trans-1,2-Dichloroethene	23.060	1.0	25.00	0	92.2	63	137	23.46	1.72	20	
trans-1,3-Dichloropropene	22.690	1.0	25.00	0	90.8	59	135	22.76	0.308	20	
Trichloroethene	24.620	1.0	25.00	0	98.5	70	127	25.18	2.25	20	
Vinyl chloride	24.510	1.0	25.00	0	98.0	50	134	24.82	1.26	20	
Surr: 1,2-Dichloroethane-d4	21.200		25.00		84.8	72	119		0		
Surr: 4-Bromofluorobenzene	25.590		25.00		102	76	119		0		
Surr: Dibromofluoromethane	23.820		25.00		95.3	85	115		0		
Surr: Toluene-d8	26.200		25.00		105	81	120		0		

Sample ID: D110120MB3	SampType: MBLK	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 78900						
Client ID: PBW	Batch ID: D111VW007	TestNo: EPA 8260B		Analysis Date: 1/20/2011	SeqNo: 1239136						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	1.0									
1,1,2,2-Tetrachloroethane	ND	1.0									
1,1,2-Trichloroethane	ND	1.0									
1,1-Dichloroethane	ND	0.50									
1,1-Dichloroethene	ND	1.0									
1,2,4-Trichlorobenzene	ND	1.0									
1,2-Dichlorobenzene	ND	1.0									
1,2-Dichloroethane	ND	0.50									
1,3-Dichlorobenzene	ND	1.0									
1,3-Dichloropropane	ND	1.0									
1,4-Dichlorobenzene	ND	1.0									
2-Butanone	ND	10									
2-Chloroethyl vinyl ether	ND	1.0									

Qualifiers:

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

CLIENT: CH2M HILL
Work Order: N005171
Project: SPPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LLPGE

Sample ID: D110120MB3	SampType: MBLK	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 78900						
Client ID: PBW	Batch ID: D111VW007	TestNo: EPA 8260B		Analysis Date: 1/20/2011	SeqNo: 1239136						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	ND	1.0									
Bromodichloromethane	ND	1.0									
Bromoform	ND	1.0									
Bromomethane	ND	1.0									
Carbon tetrachloride	ND	1.0									
Chlorobenzene	ND	1.0									
Chloroethane	ND	1.0									
Chloroform	ND	1.0									
Chloromethane	ND	1.0									
cis-1,2-Dichloroethene	ND	1.0									
cis-1,3-Dichloropropene	ND	1.0									
Dibromochloromethane	ND	1.0									
Ethylbenzene	ND	1.0									
Hexachlorobutadiene	ND	1.0									
m,p-Xylene	ND	1.0									
Methylene chloride	ND	5.0									
MTBE	ND	1.0									
Naphthalene	ND	1.0									
o-Xylene	ND	1.0									
Tetrachloroethene	ND	1.0									
Toluene	ND	2.5									
trans-1,2-Dichloroethene	ND	1.0									
trans-1,3-Dichloropropene	ND	1.0									
Trichloroethene	ND	1.0									
Vinyl chloride	ND	1.0									
Surr: 1,2-Dichloroethane-d4	21.610		25.00		86.4	72	119				
Surr: 4-Bromofluorobenzene	27.200		25.00		109	76	119				
Surr: Dibromofluoromethane	21.940		25.00		87.8	85	115				
Surr: Toluene-d8	26.920		25.00		108	81	120				

Qualifiers:

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



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CLIENT: CH2M HILL
Work Order: N005171
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LLPGE

Sample ID: D110125LCS	SampType: LCS	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 78901						
Client ID: LCSW	Batch ID: D111VW009	TestNo: EPA 8260B		Analysis Date: 1/25/2011	SeqNo: 1239155						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acrolein	231.570	20	250.0	0	92.6	75	125				
Acrylonitrile	246.790	20	250.0	0	98.7	75	125				

Sample ID: N005171-002BMS	SampType: MS	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 78901						
Client ID: ZZZZZZ	Batch ID: D111VW009	TestNo: EPA 8260B		Analysis Date: 1/25/2011	SeqNo: 1239156						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acrolein	184.970	20	250.0	0	74.0	75	125				S
Acrylonitrile	189.360	20	250.0	0	75.7	75	125				

Sample ID: N005171-002BMSD	SampType: MSD	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 78901						
Client ID: ZZZZZZ	Batch ID: D111VW009	TestNo: EPA 8260B		Analysis Date: 1/25/2011	SeqNo: 1239157						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acrolein	183.960	20	250.0	0	73.6	75	125	185.0	0.548	20	S
Acrylonitrile	189.940	20	250.0	0	76.0	75	125	189.4	0.306	20	

Sample ID: D110125MB3	SampType: MBLK	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 78901						
Client ID: PBW	Batch ID: D111VW009	TestNo: EPA 8260B		Analysis Date: 1/25/2011	SeqNo: 1239158						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acrolein	ND	20									
Acrylonitrile	ND	20									

Qualifiers:

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



EPA Method 8290 2,3,7,8-TCDD Case Narrative

ARF: 63616

Project: Las Vegas, NV

State Certification Number: CA1312 (DW & WW)

NELAP Certification number: 05233CA (HW)

Results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sample Receipt Information:

The samples were received on January 12, 2011. The sample group was assigned Analytical Request Form (ARF) number 63616. The sample numbers and requested analyses were compared to the chains of custody. No exception was encountered.

Sample Table

CLIENT ID	APPL ID	Matrix	Date Sampled	Date Received
N005171-001O/EFF-	AY29922	WATER	01/11/11	01/12/11
N005171-001J/UCC-	AY29923	WATER	01/11/11	01/12/11

The samples were screened for responses down to the EMPC or EDL, in accordance with the EPA 8290 method.

Sample Preparation:

The samples were extracted and cleaned up according to the EPA 8290 method. All holding times were met.

Analysis Information:

The samples were analyzed according to the EPA 8290, using a Waters Inc. Autospec Premier High Resolution Mass Spectrometer. The results were reported in accordance with EPA 8290 guidelines, as follows:

1. For analytes that had no chromatographic response in the samples, the EDL (Estimated Detection Limit) was reported in the EDL / EMPC column on the Form 1.
2. For analytes that exhibited chromatographic peaks in the samples (but did not meet the method requirements for positive identification), the EMPC (Estimated Maximum Potential Concentration) was reported in the EDL / EMPC column.

3. For the positively identified analytes the concentration was reported in the "Results" column, and EMPC was reported in the EDL / EMPC column. The EMPC is equal to the detected concentration.

Quality Control/Assurance

Calibrations:

Calibrations and Resolution Checks were performed according to the method. All calibration acceptance criteria were met.

Blanks:

The method blank contained no target analytes at or above one-half the PQL.

Spikes:

A Laboratory Control Spike (LCS) was used for quality control. The LCS recoveries met acceptance criteria.

No sample was designated by the client for MS/MSD analysis.

Surrogate Recoveries (C13 Internal Standards):

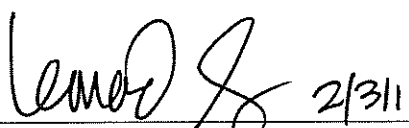
C13 Internal Standards were added to the extracts in accordance with the method and reported on the Form 1's as surrogate recoveries. All recoveries met acceptance criteria.

Summary:

All data were acceptable. No analytical exception is noted.

CERTIFICATION

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. These test results meet all requirements of NELAC. Release of the hard copy has been authorized by the Laboratory Manager or his designee, as verified by the following signature.



Leonard Fong, Ph.D, Laboratory Director / Date

EPA 8290 - Dioxins and Furans

Advanced Technology Laboratorie
3151-3153 W POST RD.
LAS VEGAS, NV 89118

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Marlon Cartin

Project: LAS VEGAS, NV

Sample ID: N005171-001O/EFF-

Sample Collection Date: 01/11/11

ARF: 63616

APPL ID: AY29922

QCG: \$8290W-110113A-151289

Method	Analyte	Result	PQL	EDL/EMPC	Units	Ext Date	Analysis Date
EPA 8290	2,3,7,8-TCDD	2.3PC U	50.0	2.3PC	pg/L	01/13/11	01/20/11
EPA 8290	SURROGATE: 13C-1,2,3,4,6,7,8-HPCDD (S)	61.9	40-135		%	01/13/11	01/20/11
EPA 8290	SURROGATE: 13C-1,2,3,4,6,7,8-HPCDF (S)	64.4	40-135		%	01/13/11	01/20/11
EPA 8290	SURROGATE: 13C-1,2,3,4,7,8-HXCDF (S)	70.8	40-135		%	01/13/11	01/20/11
EPA 8290	SURROGATE: 13C-1,2,3,6,7,8-HXCDD (S)	58.3	40-135		%	01/13/11	01/20/11
EPA 8290	SURROGATE: 13C-1,2,3,7,8-PECDD (S)	70.2	40-135		%	01/13/11	01/20/11
EPA 8290	SURROGATE: 13C-1,2,3,7,8-PECDF (S)	68.7	40-135		%	01/13/11	01/20/11
EPA 8290	SURROGATE: 13C-2,3,7,8-TCDD (S)	67.1	40-135		%	01/13/11	01/20/11
EPA 8290	SURROGATE: 13C-2,3,7,8-TCDF (S)	69.5	40-135		%	01/13/11	01/20/11
EPA 8290	SURROGATE: 13C-OCDD (S)	48.7	40-135		%	01/13/11	01/20/11

Quant Method: 8290_110119
Run #: 110119_HR_18
Instrument: Magneto
Sequence: 110119
Dilution Factor: 1
Initials: RP

Printed: 01/25/11 10:12:22 AM
Form 1 - APPL Standard GC - No MC

EPA 8290 - Dioxins and Furans

Advanced Technology Laboratorie
3151-3153 W POST RD.
LAS VEGAS, NV 89118

Attn: Marlon Cartin

Project: LAS VEGAS, NV

Sample ID: N005171-001J/UCC-

Sample Collection Date: 01/11/11

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 63616

APPL ID: AY29923

QCG: \$8290W-110113A-151289

Method	Analyte	Result	PQL	EDL/EMPC	Units	Ext Date	Analysis Date
EPA 8290	2,3,7,8-TCDD	0.52DL U	50.0	0.52DL	pg/L	01/13/11	01/20/11
EPA 8290	SURROGATE: 13C-1,2,3,4,6,7,8-HPCDD (S)	68.0	40-135		%	01/13/11	01/20/11
EPA 8290	SURROGATE: 13C-1,2,3,4,6,7,8-HPCDF (S)	67.2	40-135		%	01/13/11	01/20/11
EPA 8290	SURROGATE: 13C-1,2,3,4,7,8-HXCDF (S)	73.7	40-135		%	01/13/11	01/20/11
EPA 8290	SURROGATE: 13C-1,2,3,6,7,8-HXCDD (S)	60.6	40-135		%	01/13/11	01/20/11
EPA 8290	SURROGATE: 13C-1,2,3,7,8-PECDD (S)	74.7	40-135		%	01/13/11	01/20/11
EPA 8290	SURROGATE: 13C-1,2,3,7,8-PECDF (S)	72.2	40-135		%	01/13/11	01/20/11
EPA 8290	SURROGATE: 13C-2,3,7,8-TCDD (S)	70.9	40-135		%	01/13/11	01/20/11
EPA 8290	SURROGATE: 13C-2,3,7,8-TCDF (S)	73.6	40-135		%	01/13/11	01/20/11
EPA 8290	SURROGATE: 13C-OCDD (S)	53.0	40-135		%	01/13/11	01/20/11

Quant Method: 8290_110119
Run #: 110119_HR_19
Instrument: Magneto
Sequence: 110119
Dilution Factor: 1
Initials: RP

Printed: 01/25/11 10:12:22 AM
Form 1 - APPL Standard GC - No MC

Method Blank
EPA 8290 - Dioxins and Furans

Blank Name/QCG: 110113W-29922 - 151289
 Batch ID: \$8290W-110113A

APPL Inc.
 908 North Temperance Avenue
 Clovis, CA 93611

Sample Type	Analyte	Result	PQL	EDL/EMPC	Units	Ext Date	Analysis Date
BLANK	2,3,7,8-TCDD	5.9PC U	50.0	5.9PC	pg/L	01/13/11	01/20/11
BLANK	SURROGATE: 13C-1,2,3,4,6,7,8-HPCDD (S)	60.1	40-135		%	01/13/11	01/20/11
BLANK	SURROGATE: 13C-1,2,3,4,6,7,8-HPCDF (S)	61.9	40-135		%	01/13/11	01/20/11
BLANK	SURROGATE: 13C-1,2,3,4,7,8-HXCDF (S)	66.6	40-135		%	01/13/11	01/20/11
BLANK	SURROGATE: 13C-1,2,3,6,7,8-HXCDD (S)	54.7	40-135		%	01/13/11	01/20/11
BLANK	SURROGATE: 13C-1,2,3,7,8-PECDD (S)	67.2	40-135		%	01/13/11	01/20/11
BLANK	SURROGATE: 13C-1,2,3,7,8-PECDF (S)	65.1	40-135		%	01/13/11	01/20/11
BLANK	SURROGATE: 13C-2,3,7,8-TCDD (S)	64.1	40-135		%	01/13/11	01/20/11
BLANK	SURROGATE: 13C-2,3,7,8-TCDF (S)	66.6	40-135		%	01/13/11	01/20/11
BLANK	SURROGATE: 13C-OCDD (S)	47.5	40-135		%	01/13/11	01/20/11

Quant Method: 8290_110119
Run #: 110119_HR_17
Instrument: Magneto
Sequence: 110119
Initials: RP

Laboratory Control Spike Recovery

EPA 8290 - Dioxins and Furans

APPL ID: 110113W-29922 LCS - 151289
 Batch ID: #8290W-110113A

APPL Inc.
 908 North Temperance Avenue
 Clovis, CA 93611

Compound Name	Spike Level pg/L	SPK Result pg/L	SPK % Recovery	Recovery Limits
2,3,7,8-TCDD	547	557	102	70-130
SURROGATE: 13C-1,2,3,4,6,7,8-HPCDD	5000	3360	67.2	40-135
SURROGATE: 13C-1,2,3,4,6,7,8-HPCDF	5000	3300	66.0	40-135
SURROGATE: 13C-1,2,3,4,7,8-HXCDF (S)	5000	3580	71.6	40-135
SURROGATE: 13C-1,2,3,6,7,8-HXCDD (S)	5000	2880	57.6	40-135
SURROGATE: 13C-1,2,3,7,8-PECDD (S)	2000	1420	71.0	40-135
SURROGATE: 13C-1,2,3,7,8-PECDF (S)	2000	1390	69.5	40-135
SURROGATE: 13C-2,3,7,8-TCDD (S)	2000	1350	67.5	40-135
SURROGATE: 13C-2,3,7,8-TCDF (S)	2000	1380	69.0	40-135
SURROGATE: 13C-OCDD (S)	10000	5460	54.6	40-135

Comments: _____

<u>Primary</u>	<u>SPK</u>
Quant Method :	8290_110119
Extraction Date :	01/13/11
Analysis Date :	01/20/11
Instrument :	Magneto
Run :	110119_HR_15
Initials :	RP

Printed: 01/25/11 10:12:49 AM

APPL Standard LCS



Advanced Technology Laboratories

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

CHAIN-OF-CUSTODY RECORD

QC Level: RTNE

Subcontractor:
APPL, Inc.
908 N. Temperance Ave.
Clovis, CA 93611

TEL: (559) 275-2175
FAX: (209) 275-4422
Acct #:

Field Sampler: J. DYE

12-Jan-11

Requested Tests

Sample ID	Matrix	Date Collected	Bottle Type	EPA 8290
N005171-0010 / EFF.	Water	1/11/2011 12:05:00 PM	32OZA	1
N005171-002J / UCC-	Water	1/11/2011 12:30:00 PM	32OZA	1

General Comments: Please email sample receipt acknowledgement to the PM.
Please use PO#: N005171 Please fax results by: Normal TAT
Please analyze for 2,3,7,8 - TCDD CH2M Hill sample. MDL requirement is .311 ug/L.

Date/Time

1/12/11

Received by:

Received by:

Date/Time

1/12/11 10:20



February 01, 2011

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

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

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

Workorder No.: N005264

RE: SFPP - Norwalk Site

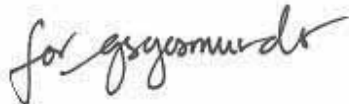
Attention: Daniel Jablonski

Enclosed are the results for sample(s) received on January 31, 2011 by Advanced Technology Laboratories, Inc. . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

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

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

Sincerely,



Jose Tenorio Jr.

Laboratory Director

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



*Advanced Technology
Laboratories*

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

CLIENT: CH2M HILL
Project: SFPP - Norwalk Site
Lab Order: N005264

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

Samples were received intact with proper chain of custody documentation.

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

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

Samples were analyzed within method holding time.

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

Subcontracted Analysis:

Settleable Matter (SM2540F) was subcontracted to Advanced Technology Laboratories-Signal Hill, CA.



CLIENT: CH2M HILL
Lab Order: N005264
Project: SFPP - Norwalk Site
Lab ID: N005264-001A

Client Sample ID: EFF-01-31
Collection Date: 1/31/2011 12:15:00 PM
Matrix: WASTEWATER

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

EPA 8260B

RunID:	MS1_110201A	QC Batch:	D11VW012	PrepDate:	Analyst:	QBM
MTBE	ND	0.089	1.0	µg/L	1	2/1/2011 12:28 PM
Surr: 1,2-Dichloroethane-d4	81.9	0	72-119	%REC	1	2/1/2011 12:28 PM
Surr: 4-Bromofluorobenzene	108	0	76-119	%REC	1	2/1/2011 12:28 PM
Surr: Dibromofluoromethane	86.9	0	85-115	%REC	1	2/1/2011 12:28 PM
Surr: Toluene-d8	110	0	81-120	%REC	1	2/1/2011 12:28 PM

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



ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N005264
Project: SPPP - Norwalk Site

TestCode: 8260_WP_LLPGE

Sample ID: D110201LCS	SampType: LCS	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 78953						
Client ID: LCSW	Batch ID: D11VW012	TestNo: EPA 8260B		Analysis Date: 2/1/2011	SeqNo: 1240687						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MTBE	20.450	1.0	25.00	0	81.8	65	123				
Surr: 1,2-Dichloroethane-d4	24.940		25.00		99.8	72	119				
Surr: 4-Bromofluorobenzene	24.440		25.00		97.8	76	119				
Surr: Dibromofluoromethane	24.940		25.00		99.8	85	115				
Surr: Toluene-d8	24.740		25.00		99.0	81	120				

Sample ID: N005264-001AMS	SampType: MS	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 78953						
Client ID: ZZZZZZ	Batch ID: D11VW012	TestNo: EPA 8260B		Analysis Date: 2/1/2011	SeqNo: 1240688						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MTBE	17.370	1.0	25.00	0	69.5	65	123				
Surr: 1,2-Dichloroethane-d4	21.810		25.00		87.2	72	119				
Surr: 4-Bromofluorobenzene	26.310		25.00		105	76	119				
Surr: Dibromofluoromethane	23.790		25.00		95.2	85	115				
Surr: Toluene-d8	26.310		25.00		105	81	120				

Sample ID: N005264-001AMSD	SampType: MSD	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 78953						
Client ID: ZZZZZZ	Batch ID: D11VW012	TestNo: EPA 8260B		Analysis Date: 2/1/2011	SeqNo: 1240689						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MTBE	18.620	1.0	25.00	0	74.5	65	123	17.37	6.95	20	
Surr: 1,2-Dichloroethane-d4	22.130		25.00		88.5	72	119		0		
Surr: 4-Bromofluorobenzene	25.300		25.00		101	76	119		0		
Surr: Dibromofluoromethane	23.540		25.00		94.2	85	115		0		
Surr: Toluene-d8	25.450		25.00		102	81	120		0		

Qualifiers:

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



CLIENT: CH2M HILL
Work Order: N005264
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LLPGE

Sample ID: D110201MB3	SampType: MBLK	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 78953						
Client ID: PBW	Batch ID: D11VW012	TestNo: EPA 8260B		Analysis Date: 2/1/2011	SeqNo: 1240690						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MTBE	ND	1.0									
Surr: 1,2-Dichloroethane-d4	23.570		25.00		94.3	72	119				
Surr: 4-Bromofluorobenzene	27.240		25.00		109	76	119				
Surr: Dibromofluoromethane	23.600		25.00		94.4	85	115				
Surr: Toluene-d8	27.840		25.00		111	81	120				

Qualifiers:

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



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

CHAIN OF CUSTODY RECORD

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

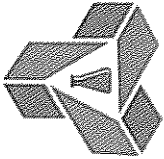
DATE: 1/31/11
 PAGE: 1 OF 1

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): <i>James Dye</i>	LAB USE ONLY
TEL: 714-560-4802	FAX: 714-560-4601		
TURNAROUND TIME <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) <input checked="" type="checkbox"/> RMG CUSTODY REPORTING <input type="checkbox"/> ARCHIVE SAMPLES UNTIL <u>1/1</u>			

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

LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING		NO. OF CONT.	MAT. RIX	Comments
			DATE	TIME			
	EFF-01-31	Effluent	1/31/11	12:15	4	WW	Temperature* = <u>5.4°C</u>
							(Temp. as sampled*)
							Quarterly

REQUESTED ANALYSIS		X MTBE (8260B) (24Hour)		X Settleable Solids (2540F)	
Relinquished by: (Signature) <i>James Dye</i>		Received by: (Signature) <i>Steve Defibaugh</i>		Date: <u>1/31/11</u>	Time: <u>13:10</u>
Relinquished by: (Signature) <i>James Dye</i>		Received by: (Signature) <i>Steve Defibaugh</i>		Date: <u>1/31/11</u>	Time: <u>15:10</u>
Relinquished by: (Signature) <i>James Dye</i>		Received by: (Signature) <i>Steve Defibaugh</i>		Date: <u>1/31/11</u>	Time: <u>9:00</u>



Advanced Technology Laboratories

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

CHAIN-OF-CUSTODY RECORD

QC Level: RTNE

Subcontractor:

Advanced Technology Laboratories - Signal Hill
3283 Walnut Ave.
Signal Hill, California
TEL: (562) 989-4045
FAX: (562) 989-4045
Acct #:

Field Sampler: VLAD CARANO

31-Jan-11

Requested Tests

Sample ID	Matrix	Date Collected	Bottle Type	SM2540F
N005264-001B / EFF-01-31	Wastewater	1/31/2011 12:15:00 PM	320ZP	1

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

Please use PO#:N005264

Please e-mail results by: 24hr RUSH TAT.

Date/Time

Date/Time

Relinquished by: *[Signature]*

Received by:

1/31/11

Relinquished by:

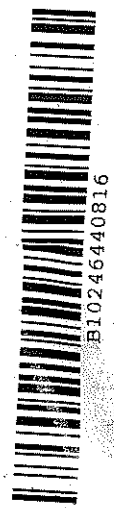
Received by:

OnTrac
On Time Delivery. For Less

800-334-5000
Call For A Pickup!

Account Number **B10246440816**

Date



FROM (Company) **ENVIRO TREATMENT & TECHNOLOGY***

Street Address **3275 WALNUT AVE** Suite **511**

City **SIGNAL HILL**

State **CO** Zip Code (Required) **80755** Phone Number **303-441-1111**

PLEASE PRINT IN BLOCK LETTERS with Blue / Black Ink

TO (Company) **WE CANNOT DELIVER TO A P.O. BOX**

Street Address **ATL**

Suite # **3151 W POST RD**

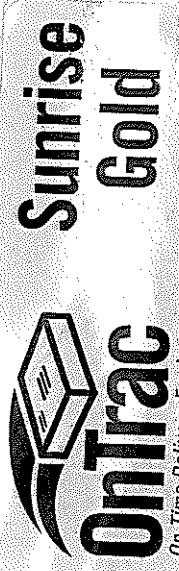
City **LAS VEGAS**

State **NV** Zip Code (Required) **89118** Phone Number **702-907-2659**

Recipient's Name **MAWLOU**

Shippers Ref. # **CAZMAH1VL171111**

Service Options	Billing Information	Weight
<input type="checkbox"/> SUNRISE - BY 10:30 AM* <input checked="" type="checkbox"/> SUNRISE GOLD - BY 8:00 AM* <input type="checkbox"/> HEAVYWEIGHT** <input type="checkbox"/> Saturday Delivery - Extra Charge (See Service Guide for details) <input type="checkbox"/> HOLD FOR PICKUP (This shipment requires a delivery signature) <input type="checkbox"/> Declared Value \$ (Maximum \$5,000) <input type="checkbox"/> C.O.D. Amount \$: Limit \$10,000 (plus C.O.D. tag to packing)	Bill Shipper's Account <input type="checkbox"/> Bill Other Acct # <input type="checkbox"/> [REDACTED] Dim weight charge if greater than actual weight L in. <input type="checkbox"/> W in. <input checked="" type="checkbox"/> H in. <input type="checkbox"/> +225 =	<input type="checkbox"/> 8 oz. Letter or <input type="checkbox"/> Weight lbs. (Subject to verification)
<input type="checkbox"/> Secured Payment (Money Order or Certified Check) <input type="checkbox"/> Unsecured Payment (Company Check or Personal Check)	Driver # <input type="checkbox"/> Pick-up Time <input type="checkbox"/> Shipper's Signature [REDACTED]	Driver's Initials CA Shipper's Name AGAMITWA



On Time Delivery. For Less

Advanced Technology Laboratories, Inc.

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 (702) 307-2659.

Sample Receipt Checklist

Cooler Received/Opened On: 2/1/2011 Workorder: N005264
 Rep sample Temp (Deg C): 5.4 IR Gun ID: IR#1
 Temp Blank: Yes No
 Carrier name: CA Overnight
 Last 4 digits of Tracking No.: 0816 Packing Material Used: None
 Cooling process: Ice Ice Pack Dry Ice Other None

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

Comments: _____

Checklist Completed By GG *Sy Hille*

Reviewed By: _____

February 01, 2011



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

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196
ORELAP No.: CA300003

Workorder No.: 116081

RE:

Attention: Marlon Cartin

Enclosed are the results for sample(s) received on January 31, 2011 by Advanced Technology Laboratories. 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 (562)989-4045 if I can be of further assistance to your company.

Sincerely,

A handwritten signature in black ink, appearing to read "E. Rodriguez".

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-Feb-11

CLIENT: Advanced Technology Laboratory-Las Vega **Client Sample ID:** N005264-001B / EFF-01-31
Lab Order: 116081 **Collection Date:** 1/31/2011 12:15:00 PM
Project: **Matrix:** WASTEWATER
Lab ID: 116081-001A

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SETTLEABLE MATTER

SM2540F

RunID: WETCHEM_110131A	QC Batch: 70184				PrepDate: 1/31/2011	Analyst: CBB
Settleable Matter	ND	0.093		ml/L	1	1/31/2011

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



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

CLIENT: Advanced Technology Laboratory-Las Vegas
Work Order: 116081
Project:

ANALYTICAL QC SUMMARY REPORT

TestCode: 2540F_CH2

Sample ID: MB-70184	SampType: MBLK	TestCode: 2540F_CH2	Units: ml/L	Prep Date: 1/31/2011	RunNo: 129339						
Client ID: PBW	Batch ID: 70184	TestNo: SM2540F		Analysis Date: 1/31/2011	SeqNo: 2097724						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Settleable Matter ND 0.10

Qualifiers:

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

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

CHAIN-OF-CUSTODY RECORD

QC Level: RTNE

Subcontractor:

Advanced Technology Laboratories - Signal Hill
3253 Walnut Ave.
Signal Hill, California

TEL: (552) 989-4045
FAX: (552) 989-4045
Acct #:

Field Sampler: VLAD CARINO

31-Jan-11

Requested Tests

Sample ID: N005264-001B / EFF-01-31 / (COB) - (S)
Matrix: Wastewater
Date Collected: 1/31/2011 12:15:00 PM
Bottle Type: 32OZP
SM2540F

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

Please use PO#:N005264

Please e-mail results by: 24hr RUSH TAT.

Relinquished by:

Date/Time

1/31/11

Received by:

Frona f

Received by:

Date/Time

1/31/11

1843

February 15, 2011

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.: N005307

RE: SFPP - Norwalk Site

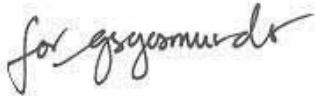
Attention: Shawn P. Duffy

Enclosed are the results for sample(s) received on February 04, 2011 by Advanced Technology Laboratories, Inc. . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

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

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

Sincerely,



Jose Tenorio Jr.
Laboratory Director

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



*Advanced Technology
Laboratories*

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

CLIENT: CH2M HILL
Project: SFPP - Norwalk Site
Lab Order: N005307

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

Samples were received intact with proper chain of custody documentation.

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

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

Samples were analyzed within method holding time.

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

Subcontracted Analyses:

Settleable Matter (SM2540F) and Phenols (EPA 420.1) were subcontracted to Advanced Technology Laboratories-Signal Hill, CA with ELAP cert#: 1838.



CLIENT: CH2M HILL
Project: SFPP - Norwalk Site
Lab Order: N005307
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N005307-001A	EFF-02-04	Wastewater	2/4/2011 12:25:00 PM	2/4/2011	
N005307-001B	EFF-02-04	Wastewater	2/4/2011 12:25:00 PM	2/4/2011	
N005307-001C	EFF-02-04	Wastewater	2/4/2011 12:25:00 PM	2/4/2011	
N005307-001D	EFF-02-04	Wastewater	2/4/2011 12:25:00 PM	2/4/2011	
N005307-001E	EFF-02-04	Wastewater	2/4/2011 12:25:00 PM	2/4/2011	
N005307-001F	EFF-02-04	Wastewater	2/4/2011 12:25:00 PM	2/4/2011	
N005307-001G	EFF-02-04	Wastewater	2/4/2011 12:25:00 PM	2/4/2011	
N005307-001H	EFF-02-04	Wastewater	2/4/2011 12:25:00 PM	2/4/2011	



Advanced Technology Laboratories, Inc.

ANALYTICAL RESULTS

Print Date: 15-Feb-11

CLIENT: CH2M HILL
Lab Order: N005307
Project: SFPP - Norwalk Site
Lab ID: N005307-001

Client Sample ID: EFF-02-04
Collection Date: 2/4/2011 12:25:00 PM
Matrix: WASTEWATER

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

EPA 8015B

RunID: GC4_110208B	QC Batch: E11VW003					PrepDate:	Analyst: QBM
TPH-Gasoline	ND	6.0	100		µg/L	1	2/8/2011
Surr: Chlorobenzene - d5	113	0	74-138		%REC	1	2/8/2011

HEXAVALENT CHROMIUM BY IC

EPA 7199

RunID: IC1_110205A	QC Batch: R79111					PrepDate:	Analyst: QBM
Hexavalent Chromium	ND	0.028	0.20		µg/L	1	2/5/2011 10:38 AM

ICP-MS METALS BY COLLISION/REACTION CELL

EPA 3010A

EPA 6020

RunID: ICP7_110207A	QC Batch: 36172					PrepDate:	2/7/2011	Analyst: JT
Copper	1.3	0.34	1.0		µg/L	1	2/7/2011	
Selenium	0.076	0.025	0.50	J	µg/L	1	2/7/2011	

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7470A

RunID: AA1_110207A	QC Batch: 36173					PrepDate:	2/7/2011	Analyst: CEI
Mercury	ND	0.023	0.050		µg/L	1	2/7/2011	

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_110205A	QC Batch: D11VW016					PrepDate:	Analyst: QBM
1,1-Dichloroethane	ND	0.099	0.50		µg/L	1	2/5/2011 12:48 PM
1,2-Dichloroethane	ND	0.17	0.50		µg/L	1	2/5/2011 12:48 PM
2-Butanone	ND	1.0	10		µg/L	1	2/5/2011 12:48 PM
Benzene	ND	0.075	1.0		µg/L	1	2/5/2011 12:48 PM
Ethylbenzene	ND	0.051	1.0		µg/L	1	2/5/2011 12:48 PM
m,p-Xylene	ND	0.17	1.0		µg/L	1	2/5/2011 12:48 PM
MTBE	0.59	0.089	1.0	J	µg/L	1	2/5/2011 12:48 PM
o-Xylene	ND	0.077	1.0		µg/L	1	2/5/2011 12:48 PM
Toluene	ND	0.12	2.5		µg/L	1	2/5/2011 12:48 PM
Surr: 1,2-Dichloroethane-d4	84.5	0	72-119		%REC	1	2/5/2011 12:48 PM
Surr: 4-Bromofluorobenzene	108	0	76-119		%REC	1	2/5/2011 12:48 PM
Surr: Dibromofluoromethane	94.8	0	85-115		%REC	1	2/5/2011 12:48 PM
Surr: Toluene-d8	110	0	81-120		%REC	1	2/5/2011 12:48 PM

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



*Advanced Technology
Laboratories*

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

CLIENT: CH2M HILL
Lab Order: N005307
Project: SFPP - Norwalk Site
Lab ID: N005307-001

Client Sample ID: EFF-02-04
Collection Date: 2/4/2011 12:25:00 PM
Matrix: WASTEWATER

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

SM2540D

RunID: WETCHEM_110208A	QC Batch: 36193				PrepDate: 2/8/2011	Analyst: CEI
Suspended Solids (Residue, Non-Filterable)	ND	10	10	mg/L	1	2/8/2011

OIL & GREASE

EPA 1664_HEM

RunID: WETCHEM_110207B	QC Batch: 36184				PrepDate: 2/7/2011	Analyst: QBM
Oil & Grease	ND	0.98	4.3	mg/L	1	2/7/2011

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



ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL

Work Order: N005307

Project: SFPP - Norwalk Site

TestCode: 160.2_2540D_W

Sample ID: MB-36193	SampType: MBLK	TestCode: 160.2_2540D_	Units: mg/L	Prep Date: 2/8/2011	RunNo: 79008						
Client ID: PBW	Batch ID: 36193	TestNo: SM2540D		Analysis Date: 2/8/2011	SeqNo: 1241977						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter)	ND	10									
Sample ID: LCS-36193	SampType: LCS	TestCode: 160.2_2540D_	Units: mg/L	Prep Date: 2/8/2011	RunNo: 79008						
Client ID: LCSW	Batch ID: 36193	TestNo: SM2540D		Analysis Date: 2/8/2011	SeqNo: 1241978						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter)	989.000	10	1000	0	98.9	80	120				
Sample ID: N005307-001E-DUP	SampType: DUP	TestCode: 160.2_2540D_	Units: mg/L	Prep Date: 2/8/2011	RunNo: 79008						
Client ID: ZZZZZ	Batch ID: 36193	TestNo: SM2540D		Analysis Date: 2/8/2011	SeqNo: 1241980						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter)	ND	10							0	0	5

Qualifiers:

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



ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N005307
Project: SPPP - Norwalk Site

TestCode: 1664_HEM_W

Sample ID: MB-36184	SampType: MBLK	TestCode: 1664_HEM_W	Units: mg/L	Prep Date: 2/7/2011	RunNo: 79110
Client ID: PBW	Batch ID: 36184	TestNo: EPA 1664_H		Analysis Date: 2/7/2011	SeqNo: 1244641
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
	ND	4.0			
Oil & Grease				LowLimit	HighLimit
				RPD Ref Val	%RPD
				RPDLimit	Qual

Sample ID: LCS-36184	SampType: LCS	TestCode: 1664_HEM_W	Units: mg/L	Prep Date: 2/7/2011	RunNo: 79110
Client ID: LCSW	Batch ID: 36184	TestNo: EPA 1664_H		Analysis Date: 2/7/2011	SeqNo: 1244642
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
	37.500	4.0	40.00	0	93.8
Oil & Grease				LowLimit	HighLimit
				RPD Ref Val	%RPD
				RPDLimit	Qual

Sample ID: N005307-001A-MS	SampType: MS	TestCode: 1664_HEM_W	Units: mg/L	Prep Date: 2/7/2011	RunNo: 79110
Client ID: ZZZZZZ	Batch ID: 36184	TestNo: EPA 1664_H		Analysis Date: 2/7/2011	SeqNo: 1244644
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
	39.892	4.3	43.01	0	92.8
Oil & Grease				LowLimit	HighLimit
				RPD Ref Val	%RPD
				RPDLimit	Qual

Sample ID: N005307-001A-MSD	SampType: MSD	TestCode: 1664_HEM_W	Units: mg/L	Prep Date: 2/7/2011	RunNo: 79110
Client ID: ZZZZZZ	Batch ID: 36184	TestNo: EPA 1664_H		Analysis Date: 2/7/2011	SeqNo: 1244645
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
	36.129	4.3	43.01	0	84.0
Oil & Grease				LowLimit	HighLimit
				RPD Ref Val	%RPD
				RPDLimit	Qual

Qualifiers:

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

CLIENT: CH2M HILL
Work Order: N005307
Project: SEPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_W_DRC

Sample ID: MB-36172	SampType: MBLK	TestCode: 6020_W_DRC	Units: µg/L	Prep Date: 2/7/2011	RunNo: 78991						
Client ID: PBW	Batch ID: 36172	TestNo: EPA 6020	EPA 3010A	Analysis Date: 2/7/2011	SeqNo: 1241673						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	1.0									
Selenium	ND	0.50									

Sample ID: LCS-36172	SampType: LCS	TestCode: 6020_W_DRC	Units: µg/L	Prep Date: 2/7/2011	RunNo: 78991						
Client ID: LCSW	Batch ID: 36172	TestNo: EPA 6020	EPA 3010A	Analysis Date: 2/7/2011	SeqNo: 1241676						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	9.863	1.0	10.00	0	98.6	85	115				
Selenium	9.504	0.50	10.00	0	95.0	85	115				

Sample ID: N005307-001H-MS	SampType: MS	TestCode: 6020_W_DRC	Units: µg/L	Prep Date: 2/7/2011	RunNo: 78991						
Client ID: ZZZZZZ	Batch ID: 36172	TestNo: EPA 6020	EPA 3010A	Analysis Date: 2/7/2011	SeqNo: 1241680						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	10.638	1.0	10.00	1.349	92.9	75	125				
Selenium	9.713	0.50	10.00	0.07600	96.4	75	125				

Sample ID: N005307-001H-MSD	SampType: MSD	TestCode: 6020_W_DRC	Units: µg/L	Prep Date: 2/7/2011	RunNo: 78991						
Client ID: ZZZZZZ	Batch ID: 36172	TestNo: EPA 6020	EPA 3010A	Analysis Date: 2/7/2011	SeqNo: 1241681						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	10.234	1.0	10.00	1.349	88.8	75	125	10.64	3.87	20	
Selenium	9.532	0.50	10.00	0.07600	94.6	75	125	9.713	1.88	20	

Qualifiers:

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



ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N005307
Project: SPPP - Norwalk Site

TestCode: 7199_W

Sample ID: MB-R79111	SampType: MBLK	TestCode: 7199_W	Units: µg/L	Prep Date:	RunNo: 79111
Client ID: PBW	Batch ID: R79111	TestNo: EPA 7199		Analysis Date: 2/5/2011	SeqNo: 1244649
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Hexavalent Chromium	ND	0.20			
			LowLimit	HighLimit	RPD Ref Val
					%RPD
					RPDLimit
					Qual

Sample ID: LCS-R79111	SampType: LCS	TestCode: 7199_W	Units: µg/L	Prep Date:	RunNo: 79111
Client ID: LCSW	Batch ID: R79111	TestNo: EPA 7199		Analysis Date: 2/5/2011	SeqNo: 1244650
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Hexavalent Chromium	4.982	0.20	5.000	0	99.6
				90	110
			LowLimit	HighLimit	RPD Ref Val
					%RPD
					RPDLimit
					Qual

Sample ID: N005307-001GDDUP	SampType: DUP	TestCode: 7199_W	Units: µg/L	Prep Date:	RunNo: 79111
Client ID: ZZZZZZ	Batch ID: R79111	TestNo: EPA 7199		Analysis Date: 2/5/2011	SeqNo: 1244652
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Hexavalent Chromium	ND	0.20			
				0	0
					20
			LowLimit	HighLimit	RPD Ref Val
					%RPD
					RPDLimit
					Qual

Sample ID: N005307-001GMS	SampType: MS	TestCode: 7199_W	Units: µg/L	Prep Date:	RunNo: 79111
Client ID: ZZZZZZ	Batch ID: R79111	TestNo: EPA 7199		Analysis Date: 2/5/2011	SeqNo: 1244653
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Hexavalent Chromium	1.010	0.20	1.000	0	101
				85	115
			LowLimit	HighLimit	RPD Ref Val
					%RPD
					RPDLimit
					Qual

Sample ID: N005307-001GMSD	SampType: MSD	TestCode: 7199_W	Units: µg/L	Prep Date:	RunNo: 79111
Client ID: ZZZZZZ	Batch ID: R79111	TestNo: EPA 7199		Analysis Date: 2/5/2011	SeqNo: 1244654
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Hexavalent Chromium	1.010	0.20	1.000	0	101
				85	115
			LowLimit	HighLimit	RPD Ref Val
					%RPD
					RPDLimit
					Qual

Qualifiers:

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



ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N005307
Project: SPPP - Norwalk Site

TestCode: 7470_W_LL

Sample ID: LCS-36173	SampType: LCS	TestCode: 7470_W_LL	Units: µg/L	Prep Date: 2/7/2011	RunNo: 78987						
Client ID: LCSW	Batch ID: 36173	TestNo: EPA 7470A		Analysis Date: 2/7/2011	SeqNo: 1241587						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.550	0.050	2.500	0	102	85	115				

Sample ID: MB-36173	SampType: MBLK	TestCode: 7470_W_LL	Units: µg/L	Prep Date: 2/7/2011	RunNo: 78987						
Client ID: PBW	Batch ID: 36173	TestNo: EPA 7470A		Analysis Date: 2/7/2011	SeqNo: 1241588						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.050									

Sample ID: N005307-001H-MS	SampType: MS	TestCode: 7470_W_LL	Units: µg/L	Prep Date: 2/7/2011	RunNo: 78987						
Client ID: ZZZZZZ	Batch ID: 36173	TestNo: EPA 7470A		Analysis Date: 2/7/2011	SeqNo: 1241590						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.562	0.050	2.500	0	102	75	125				

Sample ID: N005307-001H-MSD	SampType: MSD	TestCode: 7470_W_LL	Units: µg/L	Prep Date: 2/7/2011	RunNo: 78987						
Client ID: ZZZZZZ	Batch ID: 36173	TestNo: EPA 7470A		Analysis Date: 2/7/2011	SeqNo: 1241591						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.500	0.050	2.500	0	100	75	125	2.562	2.48	20	

Qualifiers:

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

CLIENT: CH2M HILL
Work Order: N005307
Project: SPPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_GPLLPGE

Sample ID: E110208LCS	SampType: LCS	TestCode: 8015_W_GPL	Units: µg/L	Prep Date:	RunNo: 79108						
Client ID: LCSW	Batch ID: E11VW003	TestNo: EPA 8015B		Analysis Date: 2/8/2011	SeqNo: 1244618						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline	942.000	100	1000	0	94.2	67	136				
Surr: Chlorobenzene - d5	50386.000		50000		101	74	138				

Sample ID: E110208MB2	SampType: MBLK	TestCode: 8015_W_GPL	Units: µg/L	Prep Date:	RunNo: 79108						
Client ID: PBW	Batch ID: E11VW003	TestNo: EPA 8015B		Analysis Date: 2/8/2011	SeqNo: 1244619						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline	ND	100									
Surr: Chlorobenzene - d5	56292.000		50000		113	74	138				

Sample ID: N005307-001BMS	SampType: MS	TestCode: 8015_W_GPL	Units: µg/L	Prep Date:	RunNo: 79108						
Client ID: ZZZZZ	Batch ID: E11VW003	TestNo: EPA 8015B		Analysis Date: 2/8/2011	SeqNo: 1244621						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline	923.000	100	1000	0	92.3	67	136				
Surr: Chlorobenzene - d5	50807.000		50000		102	74	138				

Sample ID: N005307-001BMSD	SampType: MSD	TestCode: 8015_W_GPL	Units: µg/L	Prep Date:	RunNo: 79108						
Client ID: ZZZZZ	Batch ID: E11VW003	TestNo: EPA 8015B		Analysis Date: 2/8/2011	SeqNo: 1244622						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline	989.000	100	1000	0	98.9	67	136	923.0	6.90	30	
Surr: Chlorobenzene - d5	50655.000		50000		101	74	138		0	0	

Qualifiers:

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 - DO Surrogate Diluted Out
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- Calculations are based on raw values

- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference



ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N005307
Project: SFPP - Norwalk Site

TestCode: 8260_WP_SFPP

Sample ID: D110205LCS	SampType: LCS	TestCode: 8260_WP_SF	Units: µg/L	Prep Date:	RunNo: 79004						
Client ID: LCSW	Batch ID: D111VW016	TestNo: EPA 8260B		Analysis Date: 2/5/2011	SeqNo: 1241935						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	25.580	0.50	25.00	0	102	69	133				
1,2-Dichloroethane	25.290	0.50	25.00	0	101	69	132				
2-Butanone	292.090	10	250.0	0	117	49	136				
Benzene	24.130	1.0	25.00	0	96.5	81	122				
Ethylbenzene	24.920	1.0	25.00	0	99.7	73	127				
m,p-Xylene	51.050	1.0	50.00	0	102	76	128				
MTBE	22.670	1.0	25.00	0	90.7	65	123				
o-Xylene	24.430	1.0	25.00	0	97.7	80	121				
Toluene	24.470	2.5	25.00	0	97.9	77	122				
Surr: 1,2-Dichloroethane-d4	25.280		25.00		101	72	119				
Surr: 4-Bromofluorobenzene	24.750		25.00		99.0	76	119				
Surr: Dibromofluoromethane	26.390		25.00		106	85	115				
Surr: Toluene-d8	24.960		25.00		99.8	81	120				

Sample ID: N005278-013AMS	SampType: MS	TestCode: 8260_WP_SF	Units: µg/L	Prep Date:	RunNo: 79004						
Client ID: ZZZZZZ	Batch ID: D111VW016	TestNo: EPA 8260B		Analysis Date: 2/5/2011	SeqNo: 1241936						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	22.820	0.50	25.00	0	91.3	69	133				
1,2-Dichloroethane	19.860	0.50	25.00	0	79.4	69	132				
2-Butanone	113.210	10	250.0	0	45.3	49	136				S
Benzene	22.430	1.0	25.00	0	89.7	81	122				
Ethylbenzene	25.020	1.0	25.00	0	100	73	127				
m,p-Xylene	51.140	1.0	50.00	0	102	76	128				
MTBE	17.910	1.0	25.00	0	71.6	65	123				
o-Xylene	24.240	1.0	25.00	0	97.0	80	121				
Toluene	23.040	2.5	25.00	0	92.2	77	122				
Surr: 1,2-Dichloroethane-d4	22.080		25.00		88.3	72	119				
Surr: 4-Bromofluorobenzene	25.660		25.00		103	76	119				
Surr: Dibromofluoromethane	24.550		25.00		98.2	85	115				

Qualifiers:

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ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N005307
Project: SFPP - Norwalk Site

TestCode: 8260_WP_SFPP

Sample ID: N005278-013AMS	SampType: MS	TestCode: 8260_WP_SF	Units: µg/L	Prep Date:	RunNo: 79004						
Client ID: ZZZZZZ	Batch ID: D111VW016	TestNo: EPA 8260B		Analysis Date: 2/5/2011	SeqNo: 1241936						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	25.080		25.00		100	81	120				

Sample ID: N005278-013AMSD	SampType: MSD	TestCode: 8260_WP_SF	Units: µg/L	Prep Date:	RunNo: 79004						
Client ID: ZZZZZZ	Batch ID: D111VW016	TestNo: EPA 8260B		Analysis Date: 2/5/2011	SeqNo: 1241937						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethane	25.090	0.50	25.00	0	100	69	133	22.82	9.48	20	
1,2-Dichloroethane	21.520	0.50	25.00	0	86.1	69	132	19.86	8.02	20	
2-Butanone	121.500	10	250.0	0	48.6	49	136	113.2	7.06	20	S
Benzene	24.060	1.0	25.00	0	96.2	81	122	22.43	7.01	20	
Ethylbenzene	26.630	1.0	25.00	0	107	73	127	25.02	6.23	20	
m,p-Xylene	53.960	1.0	50.00	0	108	76	128	51.14	5.37	20	
MTBE	19.360	1.0	25.00	0	77.4	65	123	17.91	7.78	20	
o-Xylene	25.790	1.0	25.00	0	103	80	121	24.24	6.20	20	
Toluene	24.640	2.5	25.00	0	98.6	77	122	23.04	6.71	20	
Surr: 1,2-Dichloroethane-d4	23.100		25.00		92.4	72	119		0		
Surr: 4-Bromofluorobenzene	26.300		25.00		105	76	119		0		
Surr: Dibromofluoromethane	25.710		25.00		103	85	115		0		
Surr: Toluene-d8	25.950		25.00		104	81	120		0		

Sample ID: D110205MB2	SampType: MBLK	TestCode: 8260_WP_SF	Units: µg/L	Prep Date:	RunNo: 79004						
Client ID: PBW	Batch ID: D111VW016	TestNo: EPA 8260B		Analysis Date: 2/5/2011	SeqNo: 1241938						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethane	ND	0.50									
1,2-Dichloroethane	ND	0.50									
2-Butanone	ND	10									
Benzene	ND	1.0									
Ethylbenzene	ND	1.0									
m,p-Xylene	ND	1.0									

Qualifiers:

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CLIENT: CH2M HILL
Work Order: N005307
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT


TestCode: 8260_WP_SFPP

Sample ID: D110205MB2	SampType: MBLK	TestCode: 8260_WP_SF	Units: µg/L	Prep Date:	RunNo: 79004						
Client ID: PBW	Batch ID: D111VW016	TestNo: EPA 8260B		Analysis Date: 2/5/2011	SeqNo: 1241938						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

MTBE	ND	1.0									
o-Xylene	ND	1.0									
Toluene	ND	2.5									
Surr: 1,2-Dichloroethane-d4	23.540		25.00		94.2	72	119				
Surr: 4-Bromofluorobenzene	26.800		25.00		107	76	119				
Surr: Dibromofluoromethane	24.180		25.00		96.7	85	115				
Surr: Toluene-d8	27.270		25.00		109	81	120				

Qualifiers:

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- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference



OnTrac
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3275 WALNUT AVE Suite

City
STONEM HILL

State
CA

Zip Code (Required)
94758

Phone Number

PLEASE PRINT IN BLOCK LETTERS with Blue / Black Ink

TO (Company) WE CANNOT DELIVER TO A P.O. BOX

ATL

Street Address
3151 W POST RD

City
LAS VEGAS

State
NV

Zip Code (Required)
89118

Phone Number

Recipient's Name
MARLON

Shipper's Ref. #
CAM HILL 090411

Account Number
B10262325812

Date
000411



Service Options	Billing Information	Weight
<p><small>If no box is checked, Service Service will be applied. Maximum charge weight is 500 lbs. Delivery by 5:00 P.M. Local delivery times for all services may be later in some areas. Check service guide or visit our website for details.</small></p> <p><input type="checkbox"/> SUNRISE - BY 10:30 AM*</p> <p><input type="checkbox"/> SUNRISE GOLD - BY 8:00 AM*</p> <p><input type="checkbox"/> HEAVYWEIGHT**</p> <p><input checked="" type="checkbox"/> Saturday Delivery - Extra Charge <small>(see Service Guide for details)</small></p> <p><input type="checkbox"/> HOLD FOR PICKUP</p> <p><input checked="" type="checkbox"/> This shipment requires a delivery signature</p> <p><input type="checkbox"/> Declared Value \$ 200.00 <small>(maximum \$25,000)</small></p>	<p><input type="checkbox"/> Bill Shipper's Account</p> <p><input type="checkbox"/> Bill Other Acct # [REDACTED]</p> <p>Dim weight charge if greater than actual weight</p> <p>L: <input type="checkbox"/> W: <input type="checkbox"/> H: <input type="checkbox"/></p> <p>X: <input type="checkbox"/> W: <input type="checkbox"/> H: <input type="checkbox"/></p> <p>+200 =</p>	<p>8 oz. Letter</p> <p>Or</p> <p>Weight lbs. (Subject to verification)</p>
<p><input type="checkbox"/> C.O.D. Amount \$ Limit \$10,000 <small>(for C.O.D. tag or package)</small></p> <p><input type="checkbox"/> Secured Payment (Money Order or Certified Check)</p> <p><input type="checkbox"/> Unsecured Payment (Company Check or Personal Check)</p>	<p>Driver's Initials [REDACTED]</p> <p>Pick-up Time [REDACTED]</p> <p>Shipper's Signature [REDACTED]</p> <p>Shipper's Name [REDACTED]</p>	

Advanced Technology Laboratories, Inc.

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 (702) 307-2659.

Sample Receipt Checklist

Cooler Received/Opened On: 2/5/2011 Workorder: N005307
 Rep sample Temp (Deg C): 2.4 IR Gun ID: IR 1
 Temp Blank: Yes No
 Carrier name: Ontrac
 Last 4 digits of Tracking No.: 5812 Packing Material Used: Bubble Wrap
 Cooling process: Ice Ice Pack Dry Ice Other None

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

Comments: _____

Checklist Completed B

fws
 QBM *2/7/11*

Reviewed By:

NS *2/7/11*

February 15, 2011



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

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196
ORELAP No.: CA300003

Workorder No.: 116189

RE:

Attention: Marlon Cartin

Enclosed are the results for sample(s) received on February 04, 2011 by Advanced Technology Laboratories . 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 (562)989-4045 if I can be of further assistance to your company.

Sincerely,

A handwritten signature in black ink, appearing to read "E. Rodriguez".

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



CLIENT: Advanced Technology Laboratory-Las Vega

Project:

Lab Order: 116189

CASE NARRATIVE

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



CLIENT: Advanced Technology Laboratory-Las Vegas
Work Order: 116189
Project:

ANALYTICAL QC SUMMARY REPORT

TestCode: 2540F_CH2

Sample ID: MB-70635	SampType: MBLK	TestCode: 2540F_CH2	Units: ml/L	Prep Date: 2/4/2011	RunNo: 129863						
Client ID: PBW	Batch ID: 70635	TestNo: SM2540F		Analysis Date: 2/4/2011	SeqNo: 2108739						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Settleable Matter

ND 0.10

Qualifiers:

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



ANALYTICAL QC SUMMARY REPORT

CLIENT: Advanced Technology Laboratory-Las Vegas
Work Order: 116189
Project:

TestCode: 420.1_W_CH2

Sample ID: 116217-002F-MS	SampType: MS	TestCode: 420.1_W_CH	Units: mg/L	Prep Date: 2/10/2011	RunNo: 129991						
Client ID: ZZZZZZ	Batch ID: 70727	TestNo: EPA 420.1		Analysis Date: 2/14/2011	SeqNo: 2111752						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	2.408	0.030	2.500	0	96.3	80	120				


Sample ID: 116217-002F-MSD	SampType: MSD	TestCode: 420.1_W_CH	Units: mg/L	Prep Date: 2/10/2011	RunNo: 129991						
Client ID: ZZZZZZ	Batch ID: 70727	TestNo: EPA 420.1		Analysis Date: 2/14/2011	SeqNo: 2111753						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	2.393	0.030	2.500	0	95.7	80	120	2.408	0.625	20	

Sample ID: LCS-70727	SampType: LCS	TestCode: 420.1_W_CH	Units: mg/L	Prep Date: 2/10/2011	RunNo: 129991						
Client ID: LCSW	Batch ID: 70727	TestNo: EPA 420.1		Analysis Date: 2/14/2011	SeqNo: 2111756						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	2.408	0.030	2.500	0	96.3	80	120				

Sample ID: MB-70727	SampType: MBLK	TestCode: 420.1_W_CH	Units: mg/L	Prep Date: 2/10/2011	RunNo: 129991						
Client ID: PBW	Batch ID: 70727	TestNo: EPA 420.1		Analysis Date: 2/14/2011	SeqNo: 2111757						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	ND	0.030									

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



 3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040
6 of 6



Advanced Technology Laboratories

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

CHAIN-OF-CUSTODY RECORD

QC Level: RTNE

Subcontractor:

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

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

Field Sampler: JAMES DYE

04-Feb-11

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests
N005307-001D / EFF-02-04	Wastewater	2/4/2011 12:25:00 PM	32OZP	SM2540F
N005307-001F / EFF-02-04	Wastewater	2/4/2011 12:25:00 PM	32OZP	1

General Comments: Please email sample receipt acknowledgement to the PM.
Please use PO#: N005307 Please fax results by: 5 day TAT. CH2MHILL sample.


Relinquished by:	Date/Time	Received by:	Date/Time
<i>[Signature]</i>	2/4/11	<i>[Signature]</i>	2/4/11
Relinquished by:		Received by:	



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

[Handwritten initials]

CHAIN OF CUSTODY RECORD

 <p>ADVANCED TECHNOLOGY LABORATORIES</p> <p>3275 Walnut Ave., Signal Hill, CA 90755 Tel: (562) 989-4045 • Fax: (562) 989-4040</p>		P.O. #: _____ Logged By: _____ Date: _____ NOTE: Please include your Quote No. to ensure proper pricing of your project.		FOR LABORATORY USE ONLY		Method of Transport <input type="checkbox"/> Client <input type="checkbox"/> ATL <input type="checkbox"/> On Trac <input type="checkbox"/> FedEx <input type="checkbox"/> GSO <input type="checkbox"/> Other: _____ Sample Condition Upon Receipt 1. CHILLED Y <input type="checkbox"/> N <input type="checkbox"/> 4. SEALED Y <input type="checkbox"/> N <input type="checkbox"/> 2. HEADSPACE (VOA) Y <input type="checkbox"/> N <input type="checkbox"/> 5. # OF SPLS MATCH COC Y <input type="checkbox"/> N <input type="checkbox"/> 3. CONTAINER INTACT Y <input type="checkbox"/> N <input type="checkbox"/> 6. PRESERVED Y <input type="checkbox"/> N <input type="checkbox"/>	
Client: Advanced Technology Laboratory Attention: _____ Project Name: CH2M Hill -Norwalk		Address: 3151 W Post Rd. City: Las Vegas State: NV Zip Code: 89118 Sampler: _____ (Signature)		Tel: (702) 307-2659 Fax: _____			
Relinquished by: _____ (Signature and Printed Name)		Date: _____ Time: _____		Received by: _____ (Signature and Printed Name)		Date: 2/4/11 Time: _____	
Relinquished by: _____ (Signature and Printed Name)		Date: _____ Time: _____		Received by: _____ (Signature and Printed Name)		Date: _____ Time: _____	
Relinquished by: _____ (Signature and Printed Name)		Date: _____ Time: _____		Received by: _____ (Signature and Printed Name)		Date: _____ Time: _____	
I hereby authorize ATL to perform the work indicated below. Project Mgr/Submitter: _____ Print Name _____ Date _____ Signature _____				Special Instructions/Comments: 10 min Shipping Time			
Bill To: _____ Attn: _____ Co: _____ Addr: _____ City: _____ State: _____ Zip: _____		Circle or Add Analysis(es) Requested: 8081 (Pesticides) 8082 (PCB) 8208 (Volatiles) 8270C (GMA) 80108 (Total Metals) 80158 (GR) / 8021 (BTEX) 80158 (GR) / CAM 17 (6010 / 7000) field services TITLE 22 / CAM 17 (6010 / 7000)		SPECIFY APPROPRIATE MATRIX SEDIMENT SOIL DRINKING WATER GROUND WATER WASTEWATER STORMWATER AQUEOUS		PRESERVATION Container(s) _____ TAT # _____ Type _____	
LAB USE ONLY: T Batch #: _____ E Lab No. _____ M _____		Sample Description Sample ID / Location _____ Date 1/28/2011 Time _____		QA/QC RTNE <input type="checkbox"/> CT <input type="checkbox"/> Legal <input type="checkbox"/> SWRCB <input type="checkbox"/> Logcode _____ OTHER _____		REMARKS	
TAT starts 8AM the following day if samples received after 5 PM		TAT: <input type="checkbox"/> A = Overnight < 24 hrs <input type="checkbox"/> B = Emergency Next Workday <input type="checkbox"/> C = Critical 2 Workdays <input type="checkbox"/> D = Urgent 3 Workdays <input type="checkbox"/> E = Routine 7 Workdays		Container Types: T=Tube V=VOA L=Liter P=Plastic J=Jar B=Teclar G=Glass M=Metal		Preservatives: H=HCl N=HNO ₃ S=H ₂ SO ₄ C=4°C Z=Zn(Ac) ₂ O=NaOH T=Na ₂ S ₂ O ₃	

February 10, 2011

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

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

Workorder No.: N005336

RE: SFPP - Norwalk Site

Attention: Daniel Jablonski

Enclosed are the results for sample(s) received on February 09, 2011 by Advanced Technology Laboratories, Inc. . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

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

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

Sincerely,



Jose Tenorio Jr.

Laboratory Director

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



*Advanced Technology
Laboratories*

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

CLIENT: CH2M HILL
Project: SFPP - Norwalk Site
Lab Order: N005336

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

Sample was 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.

Sample was analyzed within method holding time.

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



CLIENT: CH2M HILL
Project: SFPP - Norwalk Site
Lab Order: N005336
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N005336-001A	EFF-02-09	Waste Water	2/9/2011 3:15:00 PM	2/9/2011	



CLIENT: CH2M HILL
Lab Order: N005336
Project: SFPP - Norwalk Site
Lab ID: N005336-001A

Client Sample ID: EFF-02-09
Collection Date: 2/9/2011 3:15:00 PM
Matrix: WASTE WATER

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

EPA 8260B

RunID:	MS4_110210A	QC Batch:	K11VW002	PrepDate:	Analyst:	QBM
MTBE	ND	0.089	1.0	µg/L	1	2/10/2011 01:02 PM
Surr: 1,2-Dichloroethane-d4	101	0	72-119	%REC	1	2/10/2011 01:02 PM
Surr: 4-Bromofluorobenzene	95.6	0	76-119	%REC	1	2/10/2011 01:02 PM
Surr: Dibromofluoromethane	101	0	85-115	%REC	1	2/10/2011 01:02 PM
Surr: Toluene-d8	97.6	0	81-120	%REC	1	2/10/2011 01:02 PM

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



ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N005336
Project: SPPP - Norwalk Site

TestCode: 8260_WP_SFPP

Sample ID: K110210LCS	SampType: LCS	TestCode: 8260_WP_SF	Units: µg/L	Prep Date:	RunNo: 79031						
Client ID: LCSW	Batch ID: K11VW002	TestNo: EPA 8260B		Analysis Date: 2/10/2011	SeqNo: 1242262						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MTBE	24.170	1.0	25.00	0	96.7	65	123				
Surr: 1,2-Dichloroethane-d4	24.770		25.00		99.1	72	119				
Surr: 4-Bromofluorobenzene	26.600		25.00		106	76	119				
Surr: Dibromofluoromethane	25.490		25.00		102	85	115				
Surr: Toluene-d8	25.590		25.00		102	81	120				

Sample ID: N005336-001AMS	SampType: MS	TestCode: 8260_WP_SF	Units: µg/L	Prep Date:	RunNo: 79031						
Client ID: ZZZZZ	Batch ID: K11VW002	TestNo: EPA 8260B		Analysis Date: 2/10/2011	SeqNo: 1242263						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MTBE	23.000	1.0	25.00	0	92.0	65	123				
Surr: 1,2-Dichloroethane-d4	24.210		25.00		96.8	72	119				
Surr: 4-Bromofluorobenzene	26.460		25.00		106	76	119				
Surr: Dibromofluoromethane	24.880		25.00		99.5	85	115				
Surr: Toluene-d8	25.050		25.00		100	81	120				

Sample ID: N005336-001AMSD	SampType: MSD	TestCode: 8260_WP_SF	Units: µg/L	Prep Date:	RunNo: 79031						
Client ID: ZZZZZ	Batch ID: K11VW002	TestNo: EPA 8260B		Analysis Date: 2/10/2011	SeqNo: 1242264						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MTBE	24.900	1.0	25.00	0	99.6	65	123	23.00	7.93	20	
Surr: 1,2-Dichloroethane-d4	25.010		25.00		100	72	119		0		
Surr: 4-Bromofluorobenzene	27.280		25.00		109	76	119		0		
Surr: Dibromofluoromethane	26.020		25.00		104	85	115		0		
Surr: Toluene-d8	25.800		25.00		103	81	120		0		

Qualifiers:

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



CLIENT: CH2M HILL
Work Order: N005336
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_SFPP

Sample ID: K110210MB3	SampType: MBLK	TestCode: 8260_WP_SF	Units: µg/L	Prep Date:	RunNo: 79031						
Client ID: PBW	Batch ID: K11VW002	TestNo: EPA 8260B		Analysis Date: 2/10/2011	SeqNo: 1242265						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MTBE	ND	1.0									
Surr: 1,2-Dichloroethane-d4	24.990		25.00		100	72	119				
Surr: 4-Bromofluorobenzene	25.030		25.00		100	76	119				
Surr: Dibromofluoromethane	25.770		25.00		103	85	115				
Surr: Toluene-d8	26.240		25.00		105	81	120				

Qualifiers:

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

CHAIN OF CUSTODY RECORD

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

DATE: 2/9/11
 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 TURNAROUND TIME <input type="checkbox"/> SAME DAY <input checked="" type="checkbox"/> 24 HR <input type="checkbox"/> 48HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) <input type="checkbox"/> RWQCB REPORTING <input type="checkbox"/> ARCHIVE SAMPLES UNTIL / / SPECIAL INSTRUCTIONS Report to D. Jablonski/CH2M HILL, cc: KMEP Direct Bill KMEP/SFPP - Steve Defibaugh-ref. AFE# 81195 "J" flags required/Use lowest possible detection limit - all methods.		CLIENT PROJECT NAME/NUMBER: SFPP - Norwalk Site PROJECT CONTACT: James Dye SAMPLER(S) (SIGNATURE) P.O. NO.: QUOTE NO.: LAB USE ONLY <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
REQUESTED ANALYSIS			
LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE TIME
	EFF-02-09	Effluent	2/9/11 1515
			MATERIAL
			VVV 3
			MTBE (260B) (24 Hour TAP) X
			Temperature* =
			Temperature* =
			(Temp. as sampled*)
			Monthly
			Comments
			Date: 2/9/11 Time: 1542
			Date: 2/9/11 Time: 1608
			Date: 2/9/11 Time: 0915
Relinquished by (Signature) 		Received by (Signature) 	
Relinquished by (Signature) 		Received by (Signature) 	
Relinquished by (Signature) 		Received by (Signature) 	

Revised: 01/31/11

Advanced Technology Laboratories, Inc.

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 (702) 307-2659.

Sample Receipt Checklist

Cooler Received/Opened On: 2/10/2011 Workorder: N005336
Rep sample Temp (Deg C): 1.2 IR Gun ID: IR 1
Temp Blank: Yes No
Carrier name: OnTrac
Last 4 digits of Tracking No.: 5830 Packing Material Used: Bubble Wrap
Cooling process: Ice Ice Pack Dry Ice Other None

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

Comments:

Checklist Completed B

NS *2/10/11*

Reviewed By:

[Signature] *2/10/11*

February 16, 2011

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

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

Workorder No.: N005374

RE: SFPP - Norwalk Site

Attention: Daniel Jablonski

Enclosed are the results for sample(s) received on February 16, 2011 by Advanced Technology Laboratories, Inc. . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

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

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

Sincerely,



Jose Tenorio Jr.
Laboratory Director

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



*Advanced Technology
Laboratories*

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

CLIENT: CH2M HILL
Project: SFPP - Norwalk Site
Lab Order: N005374

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

Sample was 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.

Sample was analyzed within method holding time.

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



CLIENT: CH2M HILL
Project: SFPP - Norwalk Site
Lab Order: N005374
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N005374-001A	EFF-2-15	Waste Water	2/15/2011 12:50:00 PM	2/16/2011	2/16/2011



CLIENT: CH2M HILL
Lab Order: N005374
Project: SFPP - Norwalk Site
Lab ID: N005374-001A

Client Sample ID: EFF-2-15
Collection Date: 2/15/2011 12:50:00 PM
Matrix: WASTE WATER

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

EPA 8260B

RunID:	MS4_110216A	QC Batch:	K11VW003	PrepDate:	Analyst:	QBM
MTBE	ND	0.089	1.0	µg/L	1	2/16/2011 12:46 PM
Surr: 1,2-Dichloroethane-d4	104	0	72-119	%REC	1	2/16/2011 12:46 PM
Surr: 4-Bromofluorobenzene	101	0	76-119	%REC	1	2/16/2011 12:46 PM
Surr: Dibromofluoromethane	107	0	85-115	%REC	1	2/16/2011 12:46 PM
Surr: Toluene-d8	95.0	0	81-120	%REC	1	2/16/2011 12:46 PM

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



ANALYTICAL QC SUMMARY REPORT

CLIENT: CH2M HILL
Work Order: N005374
Project: SFPP - Norwalk Site

TestCode: 8260_WP_SFPP

Sample ID: K110216LCS	SampType: LCS	TestCode: 8260_WP_SF	Units: µg/L	Prep Date:	RunNo: 79127						
Client ID: LCSW	Batch ID: K11VW003	TestNo: EPA 8260B		Analysis Date: 2/16/2011	SeqNo: 1244942						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MTBE	24.220	1.0	25.00	0	96.9	65	123				
Surr: 1,2-Dichloroethane-d4	24.220		25.00		96.9	72	119				
Surr: 4-Bromofluorobenzene	26.060		25.00		104	76	119				
Surr: Dibromofluoromethane	24.810		25.00		99.2	85	115				
Surr: Toluene-d8	24.490		25.00		98.0	81	120				

Sample ID: N005350-001FMS	SampType: MS	TestCode: 8260_WP_SF	Units: µg/L	Prep Date:	RunNo: 79127						
Client ID: ZZZZZ	Batch ID: K11VW003	TestNo: EPA 8260B		Analysis Date: 2/16/2011	SeqNo: 1244943						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MTBE	24.910	1.0	25.00	0	99.6	65	123				
Surr: 1,2-Dichloroethane-d4	25.090		25.00		100	72	119				
Surr: 4-Bromofluorobenzene	26.640		25.00		107	76	119				
Surr: Dibromofluoromethane	25.560		25.00		102	85	115				
Surr: Toluene-d8	23.240		25.00		93.0	81	120				

Sample ID: N005350-001FMSD	SampType: MSD	TestCode: 8260_WP_SF	Units: µg/L	Prep Date:	RunNo: 79127						
Client ID: ZZZZZ	Batch ID: K11VW003	TestNo: EPA 8260B		Analysis Date: 2/16/2011	SeqNo: 1244944						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MTBE	25.410	1.0	25.00	0	102	65	123	24.91	1.99	20	
Surr: 1,2-Dichloroethane-d4	25.390		25.00		102	72	119		0		
Surr: 4-Bromofluorobenzene	27.130		25.00		109	76	119		0		
Surr: Dibromofluoromethane	25.020		25.00		100	85	115		0		
Surr: Toluene-d8	23.740		25.00		95.0	81	120		0		

Qualifiers:

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



CLIENT: CH2M HILL
Work Order: N005374
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_SFPP

Sample ID: K110216MB3	SampType: MBLK	TestCode: 8260_WP_SF	Units: µg/L	Prep Date:	RunNo: 79127						
Client ID: PBW	Batch ID: K111VW003	TestNo: EPA 8260B		Analysis Date: 2/16/2011	SeqNo: 1244945						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MTBE	ND	1.0									
Surr: 1,2-Dichloroethane-d4	23.410		25.00		93.6	72	119				
Surr: 4-Bromofluorobenzene	24.770		25.00		99.1	76	119				
Surr: Dibromofluoromethane	24.870		25.00		99.5	85	115				
Surr: Toluene-d8	24.340		25.00		97.4	81	120				

Qualifiers:

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



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

CHAIN OF CUSTODY RECORD

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

DATE: 2/15/11
 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: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>			
TURNAROUND TIME <input type="checkbox"/> SAME DAY <input checked="" type="checkbox"/> 24 HR <input type="checkbox"/> 48HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) <input type="checkbox"/> RWQCB REPORTING <input type="checkbox"/> ARCHIVE SAMPLES UNTIL <u>1</u> / <u>1</u> / <u>1</u>		REQUESTED ANALYSIS					
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.		COMMENTS: Temperature* = <u>22.2 °C</u> Temperature* = _____ (Temp. as sampled*) Monthly					
LAB USE ONLY	SAMPLE ID	LOCATION/DESCRIPTION	DATE	TIME	MTR (2260B) (24 HOUR TAP)	NO. OF CONT.	
	EFF-2-15	Effluent	2/15/11	1250	X	3	
Received by: (Signature) Date: <u>2/15/11</u> Time: <u>1345</u>							
Relinquished by: (Signature) Date: <u>2/15/11</u> Time: <u>1345</u>							
Relinquished by: (Signature) Date: <u>2/16/11</u> Time: <u>0900</u>							

Advanced Technology Laboratories, Inc.

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 (702) 307-2659.

Sample Receipt Checklist

Cooler Received/Opened On: 2/16/2011 Workorder: N005374
 Rep sample Temp (Deg C): 3.2 IR Gun ID: IR 1
 Temp Blank: Yes No
 Carrier name: OnTrac
 Last 4 digits of Tracking No.: 8616 Packing Material Used: Brown Paper
 Cooling process: Ice Ice Pack Dry Ice Other None


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

Comments:



Checklist Completed By NS 2/16/11

Reviewed By: *[Signature]* 2/16/11



800-334-5000
Call For A Pickup!

FROM (Company) **ENVIRO TREATMENT & TECHNOLOGY***

Street Address **3275 WALNUT AVE** Suite **315**

City **SIGNAL HILL**

State **CA** Zip Code (Required) **90755** Phone Number

PLEASE PRINT IN BLOCK LETTERS with Blue / Black Ink

TO (Company) WE CANNOT DELIVER TO A P.O. BOX

Street Address **ATL**

Suite # **315** City **W POST RD**

State **NV** Zip Code (Required) **89112** Phone Number **702-302-2699**

Recipient's Name **MARLON**

Shipper's Ref # **LAZAMHULL 21511**

Account Number **B10241808616**

Date **01/05/99**



Service Options <small>*To be selected. Services will be applied. Maximum amount is \$500 per shipment. Non-refundable. Not available for some states. Check service guide or visit our website for details.</small>	Billing Information <small>If more is selected, shipper will be invoiced.</small>	Weight
<input type="checkbox"/> SUNRISE - BY 10:30 AM* <input checked="" type="checkbox"/> SUNRISE GOLD - BY 8:00 AM* <input type="checkbox"/> HEAVYWEIGHT** <input type="checkbox"/> Saturday Delivery - Extra Charge <small>(see Service Guide for details)</small> <input type="checkbox"/> HOLD FOR PICKUP <small>This shipment requires a delivery signature</small> <input type="checkbox"/> Declared Value \$ 225 <small>(maximum \$25,000)</small>	<input type="checkbox"/> Bill Shipper's Account <input type="checkbox"/> Bill Other Acct # 123456789	<input type="checkbox"/> 8 oz. Letter OR Weight lbs. (Subject to verification) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> COD Amount (with C.O.D. tag to pay) <input type="checkbox"/> Personal Check		Dim weight charge if greater than actual weight <input type="checkbox"/> L <input type="checkbox"/> X <input type="checkbox"/> V <input type="checkbox"/> in. <input type="checkbox"/> H <input type="checkbox"/>

Driver's Initials **MA** Shipper's Name **LAZAMHULL**

Driver # **1111** Shipper's Ref # **LAZAMHULL 21511**



Sunrise Gold
On Time Delivery For Less

800.334.5000
ontrac.com

March 28, 2011

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

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

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

Workorder No.: N005522

RE: SFPP - Norwalk Site

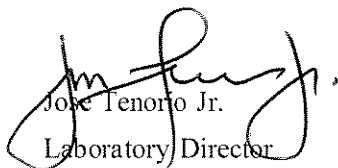
Attention: Daniel Jablonski

Enclosed are the results for sample(s) received on March 22, 2011 by Advanced Technology Laboratories, Inc. . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

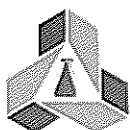
Thank you for the opportunity to service the needs of your company.

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

Sincerely,


Jose Tenorio Jr.
Laboratory Director

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



*Advanced Technology
Laboratories, Inc.*

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

CLIENT: CH2M HILL
Project: SFPP - Norwalk Site
Lab Order: N005522

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

Samples were received intact with proper chain of custody documentation.

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

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

Samples were analyzed within method holding time.

Analytical Comments for EPA 8260B:

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for 2-Butanone on QC samples N005522-001CMS and N005522-001CMSD possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.



CLIENT: CH2M HILL
Project: SFPP - Norwalk Site
Lab Order: N005522
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N005522-001A	EFF-3-22	Wastewater	3/22/2011 12:00:00 PM	3/22/2011	
N005522-001B	EFF-3-22	Wastewater	3/22/2011 12:00:00 PM	3/22/2011	
N005522-001C	EFF-3-22	Wastewater	3/22/2011 12:00:00 PM	3/22/2011	
N005522-001D	EFF-3-22	Wastewater	3/22/2011 12:00:00 PM	3/22/2011	
N005522-001E	EFF-3-22	Wastewater	3/22/2011 12:00:00 PM	3/22/2011	
N005522-001F	EFF-3-22	Wastewater	3/22/2011 12:00:00 PM	3/22/2011	
N005522-001G	EFF-3-22	Wastewater	3/22/2011 12:00:00 PM	3/22/2011	
N005522-001H	EFF-3-22	Wastewater	3/22/2011 12:00:00 PM	3/22/2011	



Advanced Technology Laboratories, Inc.

ANALYTICAL RESULTS

Print Date: 28-Mar-11

CLIENT: CH2M HILL
Lab Order: N005522
Project: SFPP - Norwalk Site
Lab ID: N005522-001

Client Sample ID: EFF-3-22
Collection Date: 3/22/2011 12:00:00 PM
Matrix: WASTEWATER

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

ICP-MS METALS BY COLLISION/REACTION CELL

EPA 3010A

EPA 6020

RunID: ICP7_110325B	QC Batch: 36495					PrepDate: 3/23/2011	Analyst: JT
Copper	ND	0.34	1.0		µg/L	1	3/25/2011 06:19 PM
Selenium	ND	0.025	0.50		µg/L	1	3/25/2011 06:19 PM

MERCURY BY COLD VAPOR TECHNIQUE

EPA 7470A

RunID: AA1_110323A	QC Batch: 36513					PrepDate: 3/23/2011	Analyst: CEI
Mercury	ND	0.023	0.050		µg/L	1	3/23/2011

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_110323A	QC Batch: D11VW040					PrepDate:	Analyst: QBM
1,1-Dichloroethane	ND	0.099	0.50		µg/L	1	3/23/2011 06:15 PM
1,2-Dichloroethane	ND	0.17	0.50		µg/L	1	3/23/2011 06:15 PM
2-Butanone	ND	1.0	10		µg/L	1	3/23/2011 06:15 PM
Benzene	ND	0.075	1.0		µg/L	1	3/23/2011 06:15 PM
Ethylbenzene	ND	0.051	1.0		µg/L	1	3/23/2011 06:15 PM
m,p-Xylene	ND	0.17	1.0		µg/L	1	3/23/2011 06:15 PM
MTBE	ND	0.089	1.0		µg/L	1	3/23/2011 06:15 PM
o-Xylene	ND	0.077	1.0		µg/L	1	3/23/2011 06:15 PM
Toluene	ND	0.12	2.5		µg/L	1	3/23/2011 06:15 PM
Surr: 1,2-Dichloroethane-d4	81.6	0	72-119		%REC	1	3/23/2011 06:15 PM
Surr: 4-Bromofluorobenzene	115	0	76-119		%REC	1	3/23/2011 06:15 PM
Surr: Dibromofluoromethane	89.3	0	85-115		%REC	1	3/23/2011 06:15 PM
Surr: Toluene-d8	113	0	81-120		%REC	1	3/23/2011 06:15 PM

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		



*Advanced Technology
Laboratories, Inc.*

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

CLIENT: CH2M HILL
Work Order: N005522
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 6020_W_DRC

Sample ID: MB-36495	Samp Type: MBLK	TestCode: 6020_W_DRC	Units: µg/L	Prep Date: 3/23/2011	RunNo: 79509							
Client ID: PBW	Batch ID: 36495	TestNo: EPA 6020	EPA 3010A	Analysis Date: 3/25/2011	SeqNo: 1252615							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD	Ref Val	%RPD	RPDLimit	Qual
Copper	ND	1.0										
Selenium	0.063	0.50										

Sample ID: LCS-36495	Samp Type: LCS	TestCode: 6020_W_DRC	Units: µg/L	Prep Date: 3/23/2011	RunNo: 79509							
Client ID: LCSW	Batch ID: 36495	TestNo: EPA 6020	EPA 3010A	Analysis Date: 3/25/2011	SeqNo: 1252616							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD	Ref Val	%RPD	RPDLimit	Qual
Copper	10.255	1.0	10.00	0	103	85	115					
Selenium	9.317	0.50	10.00	0	93.2	85	115					

Sample ID: N005527-001B-MS	Samp Type: MS	TestCode: 6020_W_DRC	Units: µg/L	Prep Date: 3/23/2011	RunNo: 79509							
Client ID: ZZZZZ	Batch ID: 36495	TestNo: EPA 6020	EPA 3010A	Analysis Date: 3/25/2011	SeqNo: 1252622							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD	Ref Val	%RPD	RPDLimit	Qual
Copper	18.041	1.0	10.00	9.553	84.9	75	125					
Selenium	11.408	0.50	10.00	2.626	87.8	75	125					

Sample ID: N005527-001B-MSD	Samp Type: MSD	TestCode: 6020_W_DRC	Units: µg/L	Prep Date: 3/23/2011	RunNo: 79509							
Client ID: ZZZZZ	Batch ID: 36495	TestNo: EPA 6020	EPA 3010A	Analysis Date: 3/25/2011	SeqNo: 1252623							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD	Ref Val	%RPD	RPDLimit	Qual
Copper	17.953	1.0	10.00	9.553	84.0	75	125		18.04	0.489		20
Selenium	11.607	0.50	10.00	2.626	89.8	75	125		11.41	1.73		20

Qualifiers:

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



CLIENT: CH2M HILL
Work Order: N005522
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 7470_W_LL

Sample ID: LCS-36513	Samp Type: LCS	TestCode: 7470_W_LL	Units: µg/L	Prep Date: 3/23/2011	RunNo: 79480						
Client ID: LCSW	Batch ID: 36513	TestNo: EPA 7470A		Analysis Date: 3/23/2011	SeqNo: 1251924						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.490	0.050	2.500	0	99.6	85	115				

Sample ID: MB-36513	Samp Type: MBLK	TestCode: 7470_W_LL	Units: µg/L	Prep Date: 3/23/2011	RunNo: 79480						
Client ID: PBW	Batch ID: 36513	TestNo: EPA 7470A		Analysis Date: 3/23/2011	SeqNo: 1251925						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.050									

Sample ID: N005522-001H-DUP	Samp Type: DUP	TestCode: 7470_W_LL	Units: µg/L	Prep Date: 3/23/2011	RunNo: 79480						
Client ID: ZZZZZ	Batch ID: 36513	TestNo: EPA 7470A		Analysis Date: 3/23/2011	SeqNo: 1251927						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.050						0.02559	0	20	

Sample ID: N005522-001H-MS	Samp Type: MS	TestCode: 7470_W_LL	Units: µg/L	Prep Date: 3/23/2011	RunNo: 79480						
Client ID: ZZZZZ	Batch ID: 36513	TestNo: EPA 7470A		Analysis Date: 3/23/2011	SeqNo: 1251928						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.455	0.050	2.500	0.02559	97.2	75	125				

Sample ID: N005522-001H-MSD	Samp Type: MSD	TestCode: 7470_W_LL	Units: µg/L	Prep Date: 3/23/2011	RunNo: 79480						
Client ID: ZZZZZ	Batch ID: 36513	TestNo: EPA 7470A		Analysis Date: 3/23/2011	SeqNo: 1251929						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.542	0.050	2.500	0.02559	101	75	125	2.455	3.48	20	

Qualifiers:

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



CLIENT: CH2M HILL
Work Order: N005522
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_SFPP

Sample ID: D110323LCS	SampType: LCS	TestCode: 8260_WP_SF	Units: µg/L	Prep Date:	RunNo: 79492						
Client ID: LCSW	Batch ID: D11VW040	TestNo: EPA 8260B		Analysis Date: 3/23/2011	SeqNo: 1252102						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	24.230	0.50	25.00	0	96.9	69	133				
1,2-Dichloroethane	25.370	0.50	25.00	0	101	69	132				
2-Butanone	238.500	10	250.0	0	95.4	49	136				
Benzene	24.030	1.0	25.00	0	96.1	81	122				
Ethylbenzene	24.850	1.0	25.00	0	99.4	73	127				
m,p-Xylene	51.090	1.0	50.00	0	102	76	128				
MTBE	24.770	1.0	25.00	0	99.1	65	123				
o-Xylene	25.150	1.0	25.00	0	101	80	121				
Toluene	24.730	2.5	25.00	0	98.9	77	122				
Surr: 1,2-Dichloroethane-d4	27.270		25.00		109	72	119				
Surr: 4-Bromofluorobenzene	27.330		25.00		109	76	119				
Surr: Dibromofluoromethane	26.830		25.00		107	85	115				
Surr: Toluene-d8	27.660		25.00		111	81	120				

Sample ID: N005522-001CMS	SampType: MS	TestCode: 8260_WP_SF	Units: µg/L	Prep Date:	RunNo: 79492						
Client ID: ZZZZZZ	Batch ID: D11VW040	TestNo: EPA 8260B		Analysis Date: 3/23/2011	SeqNo: 1252103						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	24.890	0.50	25.00	0	99.6	69	133				
1,2-Dichloroethane	23.430	0.50	25.00	0	93.7	69	132				
2-Butanone	96.270	10	250.0	0	38.5	49	136				S
Benzene	24.500	1.0	25.00	0	98.0	81	122				
Ethylbenzene	26.740	1.0	25.00	0	107	73	127				
m,p-Xylene	54.860	1.0	50.00	0	110	76	128				
MTBE	22.400	1.0	25.00	0	89.6	65	123				
o-Xylene	26.440	1.0	25.00	0	106	80	121				
Toluene	25.800	2.5	25.00	0	103	77	122				
Surr: 1,2-Dichloroethane-d4	23.790		25.00		95.2	72	119				
Surr: 4-Bromofluorobenzene	27.870		25.00		111	76	119				
Surr: Dibromofluoromethane	26.290		25.00		105	85	115				

Qualifiers:

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



CLIENT: CH2M HILL
Work Order: N005522
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_SFPP

Sample ID: N005522-001CMS	Samp Type: MS	TestCode: 8260_WP_SF	Units: µg/L	Prep Date:	RunNo: 79492						
Client ID: ZZZZZ	Batch ID: D11VW040	TestNo: EPA 8260B		Analysis Date: 3/23/2011	SeqNo: 1252103						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	28.470		25.00		114	81	120				

Sample ID: N005522-001CMS	Samp Type: MSD	TestCode: 8260_WP_SF	Units: µg/L	Prep Date:	RunNo: 79492						
Client ID: ZZZZZ	Batch ID: D11VW040	TestNo: EPA 8260B		Analysis Date: 3/23/2011	SeqNo: 1252104						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	24.310	0.50	25.00	0	97.2	69	133	24.89	2.36	20	
1,2-Dichloroethane	22.210	0.50	25.00	0	88.8	69	132	23.43	5.35	20	
2-Butanone	90.110	10	250.0	0	36.0	49	136	96.27	6.61	20	S
Benzene	24.300	1.0	25.00	0	97.2	81	122	24.50	0.820	20	
Ethylbenzene	26.500	1.0	25.00	0	106	73	127	26.74	0.902	20	
m,p-Xylene	53.970	1.0	50.00	0	108	76	128	54.86	1.64	20	
MTBE	21.220	1.0	25.00	0	84.9	65	123	22.40	5.41	20	
o-Xylene	26.200	1.0	25.00	0	105	80	121	26.44	0.912	20	
Toluene	25.140	2.5	25.00	0	101	77	122	25.80	2.59	20	
Surr: 1,2-Dichloroethane-d4	23.020		25.00		92.1	72	119		0		
Surr: 4-Bromofluorobenzene	27.400		25.00		110	76	119		0		
Surr: Dibromofluoromethane	25.460		25.00		102	85	115		0		
Surr: Toluene-d8	27.860		25.00		111	81	120		0		

Sample ID: D110323MB3	Samp Type: MBLK	TestCode: 8260_WP_SF	Units: µg/L	Prep Date:	RunNo: 79492						
Client ID: PBW	Batch ID: D11VW040	TestNo: EPA 8260B		Analysis Date: 3/23/2011	SeqNo: 1252105						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	ND	0.50									
1,2-Dichloroethane	ND	0.50									
2-Butanone	ND	10									
Benzene	ND	1.0									
Ethylbenzene	ND	1.0									
m,p-Xylene	ND	1.0									

Qualifiers:

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

Calculations are based on raw values



CLIENT: CH2M HILL
Work Order: N005522
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT
TestCode: 8260_WP_SFPP

Sample ID: **D110323MB3** Samp Type: **MBLK** TestCode: **8260_WP_SF** Units: **µg/L** Prep Date: RunNo: **79492**
 Client ID: **PBW** Batch ID: **D11VW040** TestNo: **EPA 8260B** Analysis Date: **3/23/2011** SeqNo: **1252105**

Analyte	Result	PQL	SPK value	SPK Ref Val	Units: µg/L	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MTBE	ND	1.0										
o-Xylene	ND	1.0										
Toluene	ND	2.5										
Surr: 1,2-Dichloroethane-d4	26.270		25.00			105	72	119				
Surr: 4-Bromofluorobenzene	29.120		25.00			116	76	119				
Surr: Dibromofluoromethane	25.490		25.00			102	85	115				
Surr: Toluene-d8	28.230		25.00			113	81	120				

Qualifiers:

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



Advanced Technology Laboratories, Inc.

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 (702) 307-2659.

Sample Receipt Checklist

Cooler Received/Opened On: 3/23/2011 Workorder: N005522
 Rep sample Temp (Deg C): 2.8 IR Gun ID: IR 1
 Temp Blank: Yes No
 Carrier name: OnTrac
 Last 4 digits of Tracking No.: 8901 Packing Material Used: Bubble Wrap
 Cooling process: Ice Ice Pack Dry Ice Other None

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

Comments:

Checklist Completed B MS 3/23/11

Reviewed By:

Advanced Technology Laboratories, Inc.

WORK ORDER Summary

Client ID: CH2M HILL-OAKLAND

Project: SFPP - Norwalk Site

Comments: Report to D. Jablonski/CH2M HILL .cc:KMEP. Direct Bill KMEP/SFPP-Steve Deffbaugh-ref.AFE# 81195. "J" Flag required / Use lowest possible detection

28-Mar-11

WorkOrder: N005522

QC Level: RTNE

Date Received: 3/22/2011

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N005522-001A	EFF-3-22	3/22/2011 12:00:00 PM	3/28/2011	Wastewater		Oil and Grease Sample Prep				WW
N005522-001B			3/28/2011		EPA 1664_HEM	OIL & GREASE				WW
N005522-001C			3/23/2011		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID				WW
N005522-001D			3/23/2011		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS				WW
			3/23/2011		SM2540F	SETTLABLE MATTER			✓	SUB
			3/23/2011			Settleable Matter			✓	SUB
N005522-001E			3/28/2011		SM2540D	TOTAL NON-FILTERABLE RESIDUE				WW
			3/28/2011			Total Suspended Solids Prep				WW
N005522-001F			3/23/2011		EPA 420.J	PHENOLICS			✓	SUB
			3/23/2011			Phenols Prep			✓	SUB
N005522-001G			3/28/2011		EPA 7199	Hexavalent Chromium by IC				WW
N005522-001H			3/23/2011		EPA 3010A	AQPREP TOTAL METALS: ICP, FLAA				WW
			3/23/2011		EPA 6020	ICP-MS METALS BY COLLISION/REACTION CELL				WW
			3/23/2011			MERCURY PREP				WW
			3/23/2011		EPA 7470A	MERCURY BY COLD VAPOR TECHNIQUE				WW
N005522-002A	FOLDER		3/23/2011		Folder	Folder				LAB



800-334-5000
Call For A Pickup!

Account Number
B10241808901

Date
07/22/01



B10241808901

FROM (Company)
 Street Address
 City
 State
 Zip Code (Required)
 Phone Number

PLEASE PRINT IN BLOCK LETTERS with Blue / Black Ink

TO (Company) WE CANNOT DELIVER TO A P.O. BOX

Street Address
 Suite #
 City
 State
 Zip Code (Required)
 Phone Number
 Recipient's Name
 Shipper's Ref. #

Service Options <small>The box is checked. Some services may be checked. Maximum charge weight is 30 lbs. Delivery by 5:00 P.M. Maximum charge weight is 30 lbs. in some areas. Check service guide or visit our website for details.</small> <input type="checkbox"/> SUNRISE - BY 10:30 AM* <input checked="" type="checkbox"/> SUNRISE GOLD - BY 8:00 AM* <input type="checkbox"/> HEAVYWEIGHT** <input type="checkbox"/> Saturday Delivery - Extra Charge (see Service Guide for details) <input type="checkbox"/> HOLD FOR PICKUP <small>This shipment requires a delivery signature</small> <input type="checkbox"/> Declared Value \$ (maximum \$25,000) <input type="checkbox"/> C.O.D. Amount \$ Limit \$10,000 (offer C.O.D. tag to package)	Billing Information <small>If none is selected, shipper will be invoiced.</small> <input type="checkbox"/> Bill Shipper's Account <input checked="" type="checkbox"/> Bill Other Acct #	Weight <input type="checkbox"/> 8 oz. Letter or <input type="checkbox"/> Weight lbs. (Subject to verification) Dim weight charge if greater than actual weight L in. X W in. X H in. +225 =
<input type="checkbox"/> Secured Payment (Money Order or Certified Check) <input type="checkbox"/> Unsecured Payment (Company Check or Personal Check)	Driver # _____ Pick-up Time _____ Shipper's Signature _____ Shipper's Name _____ Driver's Initials _____	

April 05, 2011

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

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

Workorder No.: N005522

RE: SFPP - Norwalk Site

Attention: Daniel Jablonski


Enclosed are the results for sample(s) received on March 22, 2011 by Advanced Technology Laboratories, Inc. . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

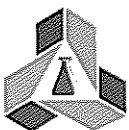
Thank you for the opportunity to service the needs of your company.

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

Sincerely,


Jose Tenorio Jr.
Laboratory Director

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



*Advanced Technology
Laboratories, Inc.*

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

CLIENT: CH2M HILL
Project: SFPP - Norwalk Site
Lab Order: N005522

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

Samples were received intact with proper chain of custody documentation.

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

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

Samples were analyzed within method holding time.

Subcontracted Analyses:

Settleable Matter (SM 2540F) and Phenolics (EPA 420.1) were subcontracted to Advanced Technology Laboratories-Signal Hill,CA.



CLIENT: CH2M HILL
Lab Order: N005522
Project: SFPP - Norwalk Site
Lab ID: N005522-001

Client Sample ID: EFF-3-22
Collection Date: 3/22/2011 12:00:00 PM
Matrix: WASTEWATER

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

EPA 8015B

RunID: GC4_110324A	QC Batch: E11VW012					PrepDate:	Analyst: QBM
TPH-Gasoline	ND	6.0	100		µg/L	1	3/24/2011
Surr: Chlorobenzene - d5	115	0	74-138		%REC	1	3/24/2011

HEXAVALENT CHROMIUM BY IC

EPA 7199

RunID: IC1_110323A	QC Batch: R79481					PrepDate:	Analyst: QBM
Hexavalent Chromium	ND	0.028	0.20		µg/L	1	3/23/2011 10:42 AM

TOTAL NON-FILTERABLE RESIDUE

SM2540D

RunID: WETCHEM_110323A	QC Batch: 36511					PrepDate: 3/23/2011	Analyst: CEI
Suspended Solids (Residue, Non-Filterable)	ND	10	10		mg/L	1	3/23/2011

OIL & GREASE

EPA 1664_HEM

RunID: WETCHEM_110331B	QC Batch: 36564					PrepDate: 3/31/2011	Analyst: QBM
Oil & Grease	ND	0.97	4.2		mg/L	1	3/31/2011

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: N005522
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 160.2_2540D_W

Sample ID: MB-36511	SampType: MBLK	TestCode: 160.2_2540D	Units: mg/L	Prep Date: 3/23/2011	RunNo: 79479
Client ID: PBW	Batch ID: 36511	TestNo: SM2540D		Analysis Date: 3/23/2011	SeqNo: 1251916
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
	ND	10			
				LowLimit	HighLimit
				RPD Ref Val	RPDLimit
					Qual

Suspended Solids (Residue, Non-Filter)						
Sample ID: LCS-36511	SampType: LCS	TestCode: 160.2_2540D	Units: mg/L	Prep Date: 3/23/2011	RunNo: 79479	
Client ID: LCSW	Batch ID: 36511	TestNo: SM2540D		Analysis Date: 3/23/2011	SeqNo: 1251917	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	
	915.000	10	1000	0	91.5	
				80	120	
				LowLimit	HighLimit	
				RPD Ref Val	RPDLimit	
					Qual	

Suspended Solids (Residue, Non-Filter)						
Sample ID: N005522-001E-DUP	SampType: DUP	TestCode: 160.2_2540D	Units: mg/L	Prep Date: 3/23/2011	RunNo: 79479	
Client ID: ZZZZZ	Batch ID: 36511	TestNo: SM2540D		Analysis Date: 3/23/2011	SeqNo: 1251919	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	
	ND	10				
				LowLimit	HighLimit	
				RPD Ref Val	RPDLimit	
					Qual	

0 0 0 0 5

Qualifiers:

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- S Spike/Surrogate outside of limits due to matrix interference



CLIENT: CH2M HILL
Work Order: N005522
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 1664_HEM_W

Sample ID: MB-36564	SampType: MBLK	TestCode: 1664_HEM_	Units: mg/L	Prep Date: 3/31/2011	RunNo: 79573						
Client ID: PBW	Batch ID: 36564	TestNo: EPA 1664_H		Analysis Date: 3/31/2011	SeqNo: 1254131						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oil & Grease	ND	4.0									

Sample ID: LCS-36564	SampType: LCS	TestCode: 1664_HEM_	Units: mg/L	Prep Date: 3/31/2011	RunNo: 79573						
Client ID: LCSW	Batch ID: 36564	TestNo: EPA 1664_H		Analysis Date: 3/31/2011	SeqNo: 1254132						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oil & Grease	35.700	4.0	40.00	0	89.2	78	114				

Sample ID: N005522-001A-MS	SampType: MS	TestCode: 1664_HEM_	Units: mg/L	Prep Date: 3/31/2011	RunNo: 79573						
Client ID: ZZZZZ	Batch ID: 36564	TestNo: EPA 1664_H		Analysis Date: 3/31/2011	SeqNo: 1254134						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oil & Grease	39.579	4.2	42.11	0	94.0	78	114				

Sample ID: N005522-001A-MSD	SampType: MSD	TestCode: 1664_HEM_	Units: mg/L	Prep Date: 3/31/2011	RunNo: 79573						
Client ID: ZZZZZ	Batch ID: 36564	TestNo: EPA 1664_H		Analysis Date: 3/31/2011	SeqNo: 1254135						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oil & Grease	35.368	4.2	42.11	0	84.0	78	114	39.58	11.2		18

Qualifiers:

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 - R RPD outside accepted recovery limits
 - DO Surrogate Diluted Out
 - H Holding times for preparation or analysis exceeded
 - S Spike/Surrogate outside of limits due to matrix interference
- Calculations are based on raw values



CLIENT: CH2M HILL
Work Order: N005522
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 7199_W

Sample ID: MB-R79481	SampType: MBLK	TestCode: 7199_W	Units: µg/L	Prep Date:	RunNo: 79481						
Client ID: PBW	Batch ID: R79481	TestNo: EPA 7199		Analysis Date: 3/23/2011	SeqNo: 1252044						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium	ND	0.20									

Sample ID: LCS-R79481	SampType: LCS	TestCode: 7199_W	Units: µg/L	Prep Date:	RunNo: 79481						
Client ID: LCSW	Batch ID: R79481	TestNo: EPA 7199		Analysis Date: 3/23/2011	SeqNo: 1252045						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium	4.925	0.20	5.000	0	98.5	90	110				

Sample ID: N005522-001GDUP	SampType: DUP	TestCode: 7199_W	Units: µg/L	Prep Date:	RunNo: 79481						
Client ID: ZZZZZ	Batch ID: R79481	TestNo: EPA 7199		Analysis Date: 3/23/2011	SeqNo: 1252048						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium	ND	0.20						0	0	0	20

Sample ID: N005518-002AMS	SampType: MS	TestCode: 7199_W	Units: µg/L	Prep Date:	RunNo: 79481						
Client ID: ZZZZZ	Batch ID: R79481	TestNo: EPA 7199		Analysis Date: 3/23/2011	SeqNo: 1252051						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium	323.563	4.0	100.0	223.5	100	85	115				

Sample ID: N005518-002AMSD	SampType: MSD	TestCode: 7199_W	Units: µg/L	Prep Date:	RunNo: 79481						
Client ID: ZZZZZ	Batch ID: R79481	TestNo: EPA 7199		Analysis Date: 3/23/2011	SeqNo: 1252052						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium	322.756	4.0	100.0	223.5	99.3	85	115	323.6	0.249	0.249	20

Qualifiers:

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



CLIENT: CH2M HILL
Work Order: N005522
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 7199_W

Sample ID: N005528-003AMS	SampType: MS	TestCode: 7199_W	Units: µg/L	Prep Date:	RunNo: 79481						
Client ID: ZZZZZ	Batch ID: R79481	TestNo: EPA 7199		Analysis Date: 3/23/2011	SeqNo: 1252065						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium	1.011	0.20	1.000	0	101	85	115				

Sample ID: N005528-002AMS	SampType: MS	TestCode: 7199_W	Units: µg/L	Prep Date:	RunNo: 79481						
Client ID: ZZZZZ	Batch ID: R79481	TestNo: EPA 7199		Analysis Date: 3/23/2011	SeqNo: 1252066						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium	1.092	0.20	1.000	0.1061	98.6	85	115				

Sample ID: N005528-001AMS	SampType: MS	TestCode: 7199_W	Units: µg/L	Prep Date:	RunNo: 79481						
Client ID: ZZZZZ	Batch ID: R79481	TestNo: EPA 7199		Analysis Date: 3/23/2011	SeqNo: 1252067						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium	12.607	0.20	5.000	7.608	100	85	115				

Qualifiers:

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



CLIENT: CH2M HILL
Work Order: N005522
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_GSFPP

Sample ID: E110324LCS		SampType: LCS		TestCode: 8015_W_GSF		Units: µg/L		Prep Date:		RunNo: 79542	
Client ID: LCSW		Batch ID: E11VW012		TestNo: EPA 8015B				Analysis Date: 3/24/2011		SeqNo: 1253497	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline	939.000	100	1000	0	93.9	67	136				
Surr: Chlorobenzene - d5	53.070		50.00		106	74	138				

Sample ID: E110324MB1		SampType: MBLK		TestCode: 8015_W_GSF		Units: µg/L		Prep Date:		RunNo: 79542	
Client ID: PBW		Batch ID: E11VW012		TestNo: EPA 8015B				Analysis Date: 3/24/2011		SeqNo: 1253498	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline	ND	100									
Surr: Chlorobenzene - d5	58.408		50.00		117	74	138				

Sample ID: N005522-001BMS		SampType: MS		TestCode: 8015_W_GSF		Units: µg/L		Prep Date:		RunNo: 79542	
Client ID: ZZZZZZ		Batch ID: E11VW012		TestNo: EPA 8015B				Analysis Date: 3/24/2011		SeqNo: 1253500	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline	916.000	100	1000	0	91.6	67	136				
Surr: Chlorobenzene - d5	53.300		50.00		107	74	138				

Sample ID: N005522-001BMSD		SampType: MSD		TestCode: 8015_W_GSF		Units: µg/L		Prep Date:		RunNo: 79542	
Client ID: ZZZZZZ		Batch ID: E11VW012		TestNo: EPA 8015B				Analysis Date: 3/24/2011		SeqNo: 1253501	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline	888.000	100	1000	0	88.8	67	136	916.0	3.10	30	
Surr: Chlorobenzene - d5	51.917		50.00		104	74	138		0	0	

Qualifiers:

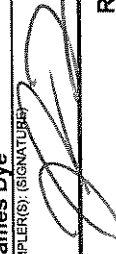






- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- DO Surrogate Diluted Out
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix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

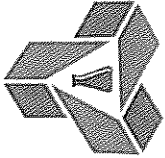


CHAIN OF CUSTODY RECORD

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

DATE: 3/22/11
 PAGE: 1 OF 1

LABORATORY CLIENT: Kinder Morgan Energy Partners, Attn: Steve Defibaugh		CLIENT PROJECT NAME/NUMBER:															
ADDRESS: 1100 Town & Country Road		PROJECT CONTACT: SFPP - Norwalk Site															
CITY: Orange, CA 92868		P.O. NO.:															
TEL: 714-560-4802	FAX: 714-560-4601	QUOTE NO.:															
TURNAROUND TIME: <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS		LAB USE ONLY: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>															
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): <input type="checkbox"/> RWQCB REPORTING <input type="checkbox"/> ARCHIVE SAMPLES UNTIL / /		SAMPLER(S) (SIGNATURE): 															
SPECIAL INSTRUCTIONS: Report to D. Jablonski/CH2M HILL, cc: KMEP Direct Bill KMEP/SFPP - Steve Defibaugh-ref. AFE# 81195 "J" flags required/Use lowest possible detection limit - all methods.		REQUESTED ANALYSIS															
LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	TIME	MAT- RIX	NO. OF CONT.	Oil & Grease (1684)	TPH-g (C5-C14 Only) (8015B (M))	BTEX:1,1-DCA;1,2-DCA;MEK(8260B)	Settleable Solids (2540F)	Total Suspended Solids (2540D)	Phenolics (420.1)	Cr(VI),Cu(7199,6020)	Se (6020) 24 HR TAT	Hg (7470A) 24 HR TAT	MTBE (8260B) 24 Hour TAT	Comments
	EFF-3-22	Effluent	3/22/11	12:00	WW	13	X	X	X	X	X	X	X	X	X	X	Temperature* =
						14											Temperature* =
						12											(Temp. as sampled*)
																	Monthly
Relinquished by (Signature): 							Received by (Signature): 		Date: 3/22/11		Time: 1337						
Relinquished by (Signature): 							Received by (Signature): 		Date: 3/22/11		Time: 1412						
Relinquished by (Signature): 							Received by (Signature): 		Date: 3/23/11		Time: 920 am						



Advanced Technology Laboratories

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

CHAIN-OF-CUSTODY RECORD

QC Level: RTNE

Subcontractor:

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

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

Field Sampler: James Dye

22-Mar-11

Sample ID	Matrix	Date Collected	Bottle Type	EPA 420.1	Requested Tests
N005522-001D / EFF-3-22	Wastewater	3/22/2011 12:00:00 PM	32OZP		SM2540F
N005522-001F / EFF-3-22	Wastewater	3/22/2011 12:00:00 PM	32OZP	1	1

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

Please use PO#: N005522 Please e-mail results by: 5 day TAT.

Relinquished by:	Date/Time	Relinquished by:	Date/Time
	3/22/11 2:40P	Received by:	
Relinquished by:		Received by:	



March 29, 2011



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

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196
ORELAP No.: CA300003

Workorder No.: 116984

RE:

Attention: Marlon Cartin

Enclosed are the results for sample(s) received on March 22, 2011 by Advanced Technology Laboratories . 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 (562)989-4045 if I can be of further assistance to your company.

Sincerely,

A handwritten signature in black ink, appearing to read "E. Rodriguez".

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



CLIENT: Advanced Technology Laboratory-Las Vega

Project:

Lab Order: 116984

CASE NARRATIVE

Analytical Comments for EPA 420.1

Sample 116902-001B-MS, Matrix Spike (MS) is outside recovery criteria; however, the analytical batch was validated by the Laboratory Control Sample (LCS).



Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 29-Mar-11

CLIENT: Advanced Technology Laboratory-Las Vega **Client Sample ID:** N005522-001D / EFF-3-22
Lab Order: 116984 **Collection Date:** 3/22/2011 12:00:00 PM
Project: **Matrix:** WASTEWATER
Lab ID: 116984-001A

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

SETTLEABLE MATTER

SM2540F

RunID: WETCHEM_110322H	QC Batch: 71737				PrepDate: 3/22/2011	Analyst: CBB
Settleable Matter	ND	0.10		ml/L	1	3/22/2011

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



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 29-Mar-11

CLIENT: Advanced Technology Laboratory-Las Vega **Client Sample ID:** N005522-001F / EFF-3-22
Lab Order: 116984 **Collection Date:** 3/22/2011 12:00:00 PM
Project: **Matrix:** WASTEWATER
Lab ID: 116984-002A

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

PHENOLICS

EPA 420.1

RunID: WETCHEM3_110324B	QC Batch: 71799				PrepDate: 3/23/2011	Analyst: AAG
Phenolics, Total Recoverable	ND	0.030		mg/L	1	3/24/2011

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



*Advanced Technology
Laboratories*

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

CLIENT: Advanced Technology Laboratory-Las Vegas
Work Order: 116984
Project:

ANALYTICAL QC SUMMARY REPORT

TestCode: 2540F_CH2

Sample ID: MB-71737	SampType: MBLK	TestCode: 2540F_CH2	Units: ml/L	Prep Date: 3/22/2011	RunNo: 131354						
Client ID: PBW	Batch ID: 71737	TestNo: SM2540F		Analysis Date: 3/22/2011	SeqNo: 2138398						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Settleable Matter

ND 0.10

Qualifiers:

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



CLIENT: Advanced Technology Laboratory--Las Vegas
Work Order: 116984
Project:

ANALYTICAL QC SUMMARY REPORT

TestCode: 420.1_W_CH2

Sample ID: 116902-001B-MS	SampType: MS	TestCode: 420.1_W_CH	Units: mg/L	Prep Date: 3/23/2011	RunNo: 131390						
Client ID: ZZZZZ	Batch ID: 71799	TestNo: EPA 420.1		Analysis Date: 3/24/2011	SeqNo: 2138989						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	1.821	0.030	2.500	0	72.8	80	120				S

Sample ID: 116902-001B-MSD	SampType: MSD	TestCode: 420.1_W_CH	Units: mg/L	Prep Date: 3/23/2011	RunNo: 131390						
Client ID: ZZZZZ	Batch ID: 71799	TestNo: EPA 420.1		Analysis Date: 3/24/2011	SeqNo: 2138990						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	2.104	0.030	2.500	0	84.2	80	120	1.821	14.4	20	

Sample ID: LCS-71757	SampType: LCS	TestCode: 420.1_W_CH	Units: mg/L	Prep Date: 3/23/2011	RunNo: 131390						
Client ID: LCSW	Batch ID: 71799	TestNo: EPA 420.1		Analysis Date: 3/24/2011	SeqNo: 2138996						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	2.358	0.030	2.500	0	94.3	80	120				

Sample ID: MB-71757	SampType: MBLK	TestCode: 420.1_W_CH	Units: mg/L	Prep Date: 3/23/2011	RunNo: 131390						
Client ID: PBW	Batch ID: 71799	TestNo: EPA 420.1		Analysis Date: 3/24/2011	SeqNo: 2138997						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	ND	0.030									

Qualifiers:

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



CHAIN OF CUSTODY RECORD

FOR LABORATORY USE ONLY																									
<p>ADVANCED TECHNOLOGY LABORATORIES</p> <p>3275 Walnut Ave., Signal Hill, CA 90755 Tel: (562) 989-4045 • Fax: (562) 989-4040</p>	<p>P.O. #: _____ Quote #: _____</p> <p>Logged By: _____ Date: _____</p> <p>NOTE: Please include your Quote No. to ensure proper pricing of your project.</p>																								
<p>Client: Advanced Technology Laboratory</p> <p>Attention: _____</p> <p>Project Name: CH2M Hill -Norwalk</p>	<p>Method of Transport <input type="checkbox"/> Client <input type="checkbox"/> ATL <input type="checkbox"/> FedEx <input type="checkbox"/> OnTrac <input type="checkbox"/> GSO <input type="checkbox"/> Other: _____</p> <p>Sample Condition Upon Receipt 1. CHILLED <input type="checkbox"/> Y <input type="checkbox"/> N 2. HEADSPACE (VOA) <input type="checkbox"/> Y <input type="checkbox"/> N 3. CONTAINER INTACT <input type="checkbox"/> Y <input type="checkbox"/> N 4. SEALED <input type="checkbox"/> Y <input type="checkbox"/> N 5. # OF SPLS MATCH COC <input type="checkbox"/> Y <input type="checkbox"/> N 6. PRESERVED <input type="checkbox"/> Y <input type="checkbox"/> N</p>																								
<p>Address: 3151 W Post Rd.</p> <p>City: Las Vegas State: NV Zip Code: 89118</p> <p>Tel: (702) 307-2659</p> <p>Fax: _____</p>	<p>Project #: _____</p> <p>Sampler: _____</p> <p>Received by: (Signature and Printed Name) _____ Date: _____ Time: _____</p> <p>Received by: (Signature and Printed Name) _____ Date: _____ Time: _____</p> <p>Received by: (Signature and Printed Name) _____ Date: _____ Time: _____</p>																								
<p>Special Instructions/Comments: 10 min Shipping Time</p>																									
<p>Bill To: _____</p> <p>Attn: _____</p> <p>Co: _____</p> <p>Addr: _____</p> <p>City: _____ State: _____ Zip: _____</p>	<p>Circle or Add Analysis(es) Requested: <input type="checkbox"/> 808A (Pesticides) <input type="checkbox"/> 826B (Volatiles) <input type="checkbox"/> 8270C (BNA) <input type="checkbox"/> 8010B (Total Metal) <input type="checkbox"/> 8015B (GRQ) / 8021 (RTEX) <input type="checkbox"/> 8015B (DRO) <input type="checkbox"/> TITLE 22 / CAM 17 (6010 / 7000) Field Services</p>																								
<p>I hereby authorize ATL to perform the work indicated below: Project Mgr /Submitter: _____ Date: _____</p> <p>Print Name: _____ Date: _____</p> <p>Signature: _____</p>	<p>Send Report To: _____</p> <p>City: _____ State: _____ Zip: _____</p>																								
<p>Sample/Records - Archival & Disposal Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.</p> <p>Storage Fees (applies when storage is requested): ■ Sample \$2.00 / sample /mo (after 45 days) ■ Records: \$1 /ATL workorder /mo (after 1 year)</p>																									
<p>LAB USE ONLY:</p> <p>Batch #: _____</p> <p>Lab No. 116984-01</p>	<p>Sample ID / Location: _____</p> <p>Date: 3/22/2011</p> <p>Time: _____</p>																								
<p>SPECIFY APPROPRIATE MATRIX</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Container(s)</th> <th>TAT #</th> <th>Type</th> </tr> <tr> <td>SEDIMENT</td> <td></td> <td></td> </tr> <tr> <td>SOIL</td> <td></td> <td></td> </tr> <tr> <td>GROUND WATER</td> <td></td> <td></td> </tr> <tr> <td>DRINKING WATER</td> <td></td> <td></td> </tr> <tr> <td>WASTEWATER</td> <td></td> <td></td> </tr> <tr> <td>STORMWATER</td> <td></td> <td></td> </tr> <tr> <td>AQUEOUS</td> <td></td> <td></td> </tr> </table>		Container(s)	TAT #	Type	SEDIMENT			SOIL			GROUND WATER			DRINKING WATER			WASTEWATER			STORMWATER			AQUEOUS		
Container(s)	TAT #	Type																							
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<p>QA/QC</p> <p>RTNE <input type="checkbox"/> CT <input type="checkbox"/> Legal <input type="checkbox"/></p> <p>SWRCB Logcode <input type="checkbox"/> OTHER <input type="checkbox"/></p>																									
<p>REMARKS</p>																									
<p>TAT: <input type="checkbox"/> A = Overnight ≤ 24 hrs <input type="checkbox"/> B = Emergency Next Workday <input type="checkbox"/> C = Critical 2 Workdays <input type="checkbox"/> D = Urgent 3 Workdays <input type="checkbox"/> E = Routine 7 Workdays</p> <p>Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal</p> <p>Preservatives: H=HCl N=HNO₃ S=H₂SO₄ C=4°C Z=Zn(AC)₂ O=NaOH T=Na₂S₂O₃</p>																									

Carmen Aguila

From: Glen S. Gesmundo [glen@atl-labs.com]
Sent: Tuesday, March 22, 2011 2:41 PM
To: Carmen Aguila
Cc: Marlon Cartin
Subject: SUB COC Norwalk Site
Attachments: N005522Sub COC.pdf

Please see attached.

Thanks.
Glen



Advanced Technology Laboratories

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

CHAIN-OF-CUSTODY RECORD

QC Level: RTNE

Subcontractor:

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

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

Field Sampler: James Dye

22-Mar-11

Sample ID	Matrix	Date Collected	Bottle Type	EPA 420.1	Requested Tests
116764-087 / 2 N005522-001D / EFF-3-22	Wastewater	3/22/2011 12:00:00 PM	32OZP	1	SM2540F
N005522-001F / EFF-3-22	Wastewater	3/22/2011 12:00:00 PM	32OZP	1	

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

Please use PO#: N005522 Please e-mail results by:5 day TAT.

Relinquished by: *[Signature]* Date/Time: 3/22/11 2:58 PM

Received by: *[Signature]* Date/Time: 3/22/11 1:17 PM

Received by: *[Signature]* Date/Time: 3/22/11 1:17 PM



April 05, 2011

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

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

Workorder No.: N005522

RE: SFPP - Norwalk Site

Attention: Daniel Jablonski


Enclosed are the results for sample(s) received on March 22, 2011 by Advanced Technology Laboratories, Inc. . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

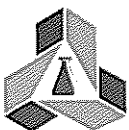
Thank you for the opportunity to service the needs of your company.

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

Sincerely,


Jose Tenorio Jr.
Laboratory Director

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



*Advanced Technology
Laboratories, Inc.*

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

CLIENT: CH2M HILL
Project: SFPP - Norwalk Site
Lab Order: N005522

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

Samples were received intact with proper chain of custody documentation.

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

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

Samples were analyzed within method holding time.

Subcontracted Analyses:

Settleable Matter (SM 2540F) and Phenolics (EPA 420.1) were subcontracted to Advanced Technology Laboratories-Signal Hill,CA.



Advanced Technology Laboratories, Inc.

ANALYTICAL RESULTS

Print Date: 05-Apr-11

CLIENT: CH2M HILL
Lab Order: N005522
Project: SFPP - Norwalk Site
Lab ID: N005522-001

Client Sample ID: EFF-3-22
Collection Date: 3/22/2011 12:00:00 PM
Matrix: WASTEWATER

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

EPA 8015B

RunID: GC4_110324A	QC Batch: E11VW012					PrepDate:	Analyst: QBM
TPH-Gasoline	ND	6.0	100		µg/L	1	3/24/2011
Surr: Chlorobenzene - d5	115	0	74-138		%REC	1	3/24/2011

HEXAVALENT CHROMIUM BY IC

EPA 7199

RunID: IC1_110323A	QC Batch: R79481					PrepDate:	Analyst: QBM
Hexavalent Chromium	ND	0.028	0.20		µg/L	1	3/23/2011 10:42 AM

TOTAL NON-FILTERABLE RESIDUE

SM2540D

RunID: WETCHEM_110323A	QC Batch: 36511					PrepDate: 3/23/2011	Analyst: CEI
Suspended Solids (Residue, Non-Filterable)	ND	10	10		mg/L	1	3/23/2011

OIL & GREASE

EPA 1664_HEM

RunID: WETCHEM_110331B	QC Batch: 36564					PrepDate: 3/31/2011	Analyst: QBM
Oil & Grease	ND	0.97	4.2		mg/L	1	3/31/2011

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	



*Advanced Technology
Laboratories, Inc.*

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

CLIENT: CH2M HILL
 Work Order: N005522
 Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 160.2_2540D_W

Sample ID: MB-36511	SampType: MBLK	TestCode: 160.2_2540D	Units: mg/L	Prep Date: 3/23/2011	RunNo: 79479						
Client ID: PBW	Batch ID: 36511	TestNo: SM2540D		Analysis Date: 3/23/2011	SeqNo: 1251916						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Suspended Solids (Residue, Non-Filter) ND 10

Sample ID: LCS-36511	SampType: LCS	TestCode: 160.2_2540D	Units: mg/L	Prep Date: 3/23/2011	RunNo: 79479						
Client ID: LCSW	Batch ID: 36511	TestNo: SM2540D		Analysis Date: 3/23/2011	SeqNo: 1251917						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Suspended Solids (Residue, Non-Filter) 915.000 10 1000 0 91.5 80 120

Sample ID: N005522-001E-DUP	SampType: DUP	TestCode: 160.2_2540D	Units: mg/L	Prep Date: 3/23/2011	RunNo: 79479						
Client ID: ZZZZZZ	Batch ID: 36511	TestNo: SM2540D		Analysis Date: 3/23/2011	SeqNo: 1251919						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Suspended Solids (Residue, Non-Filter) ND 10

Qualifiers:

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



CLIENT: CH2M HILL
Work Order: N005522
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 1664_HEM_W

Sample ID: MB-36564	SampType: MBLK	TestCode: 1664_HEM_	Units: mg/L	Prep Date: 3/31/2011	RunNo: 79573						
Client ID: PBW	Batch ID: 36564	TestNo: EPA 1664_H		Analysis Date: 3/31/2011	SeqNo: 1254131						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oil & Grease	ND	4.0									

Sample ID: LCS-36564	SampType: LCS	TestCode: 1664_HEM_	Units: mg/L	Prep Date: 3/31/2011	RunNo: 79573						
Client ID: LCSW	Batch ID: 36564	TestNo: EPA 1664_H		Analysis Date: 3/31/2011	SeqNo: 1254132						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oil & Grease	35.700	4.0	40.00	0	89.2	78	114				

Sample ID: N005522-001A-MS	SampType: MS	TestCode: 1664_HEM_	Units: mg/L	Prep Date: 3/31/2011	RunNo: 79573						
Client ID: ZZZZZ	Batch ID: 36564	TestNo: EPA 1664_H		Analysis Date: 3/31/2011	SeqNo: 1254134						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oil & Grease	39.579	4.2	42.11	0	94.0	78	114				

Sample ID: N005522-001A-MSD	SampType: MSD	TestCode: 1664_HEM_	Units: mg/L	Prep Date: 3/31/2011	RunNo: 79573						
Client ID: ZZZZZ	Batch ID: 36564	TestNo: EPA 1664_H		Analysis Date: 3/31/2011	SeqNo: 1254135						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oil & Grease	35.368	4.2	42.11	0	84.0	78	114	39.58	11.2		18

Qualifiers:

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



CLIENT: CH2M HILL
Work Order: N005522
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 7199_W

Sample ID: MB-R79481	SampType: MBLK	TestCode: 7199_W	Units: µg/L	Prep Date:	RunNo: 79481						
Client ID: PBW	Batch ID: R79481	TestNo: EPA 7199		Analysis Date: 3/23/2011	SeqNo: 1252044						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium	ND	0.20									

Sample ID: LCS-R79481	SampType: LCS	TestCode: 7199_W	Units: µg/L	Prep Date:	RunNo: 79481						
Client ID: LCSW	Batch ID: R79481	TestNo: EPA 7199		Analysis Date: 3/23/2011	SeqNo: 1252045						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium	4.925	0.20	5.000	0	98.5	90	110				

Sample ID: N005522-001GDUP	SampType: DUP	TestCode: 7199_W	Units: µg/L	Prep Date:	RunNo: 79481						
Client ID: ZZZZZ	Batch ID: R79481	TestNo: EPA 7199		Analysis Date: 3/23/2011	SeqNo: 1252048						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium	ND	0.20						0	0	0	20

Sample ID: N005518-002AMS	SampType: MS	TestCode: 7199_W	Units: µg/L	Prep Date:	RunNo: 79481						
Client ID: ZZZZZ	Batch ID: R79481	TestNo: EPA 7199		Analysis Date: 3/23/2011	SeqNo: 1252051						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium	323.563	4.0	100.0	223.5	100	85	115				

Sample ID: N005518-002AMSD	SampType: MSD	TestCode: 7199_W	Units: µg/L	Prep Date:	RunNo: 79481						
Client ID: ZZZZZ	Batch ID: R79481	TestNo: EPA 7199		Analysis Date: 3/23/2011	SeqNo: 1252052						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium	322.756	4.0	100.0	223.5	99.3	85	115	323.6	0.249	0.249	20

Qualifiers:

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



CLIENT: CH2M HILL
Work Order: N005522
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 7199_W

Sample ID: N005528-003AMS	SampType: MS	TestCode: 7199_W	Units: µg/L	Prep Date:	RunNo: 79481						
Client ID: ZZZZZ	Batch ID: R79481	TestNo: EPA 7199		Analysis Date: 3/23/2011	SeqNo: 1252065						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium	1.011	0.20	1.000	0	101	85	115				

Sample ID: N005528-002AMS	SampType: MS	TestCode: 7199_W	Units: µg/L	Prep Date:	RunNo: 79481						
Client ID: ZZZZZ	Batch ID: R79481	TestNo: EPA 7199		Analysis Date: 3/23/2011	SeqNo: 1252066						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium	1.092	0.20	1.000	0.1061	98.6	85	115				

Sample ID: N005528-001AMS	SampType: MS	TestCode: 7199_W	Units: µg/L	Prep Date:	RunNo: 79481						
Client ID: ZZZZZ	Batch ID: R79481	TestNo: EPA 7199		Analysis Date: 3/23/2011	SeqNo: 1252067						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium	12.607	0.20	5.000	7.608	100	85	115				

Qualifiers:

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



CLIENT: CH2M HILL
Work Order: N005522
Project: SFPP - Norwalk Site

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_GSFPP

Sample ID:	E110324LCS	SampType:	LCS	TestCode:	8015_W_GSF	Units:	µg/L	Prep Date:	RunNo:	79542	
Client ID:	LCSW	Batch ID:	E11VW012	TestNo:	EPA 8015B			Analysis Date:	3/24/2011	SeqNo:	1253497
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline	939.000	100	1000	0	93.9	67	136				
Surr: Chlorobenzene - d5	53.070		50.00		106	74	138				

Sample ID:	E110324MB1	SampType:	MBLK	TestCode:	8015_W_GSF	Units:	µg/L	Prep Date:	RunNo:	79542	
Client ID:	PBW	Batch ID:	E11VW012	TestNo:	EPA 8015B			Analysis Date:	3/24/2011	SeqNo:	1253498
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline	ND	100									
Surr: Chlorobenzene - d5	58.408		50.00		117	74	138				

Sample ID:	N005522-001BMS	SampType:	MS	TestCode:	8015_W_GSF	Units:	µg/L	Prep Date:	RunNo:	79542	
Client ID:	ZZZZZ	Batch ID:	E11VW012	TestNo:	EPA 8015B			Analysis Date:	3/24/2011	SeqNo:	1253500
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline	916.000	100	1000	0	91.6	67	136				
Surr: Chlorobenzene - d5	53.300		50.00		107	74	138				

Sample ID:	N005522-001BMSD	SampType:	MSD	TestCode:	8015_W_GSF	Units:	µg/L	Prep Date:	RunNo:	79542	
Client ID:	ZZZZZ	Batch ID:	E11VW012	TestNo:	EPA 8015B			Analysis Date:	3/24/2011	SeqNo:	1253501
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline	888.000	100	1000	0	88.8	67	136	916.0	3.10	30	
Surr: Chlorobenzene - d5	51.917		50.00		104	74	138		0	0	

Qualifiers:

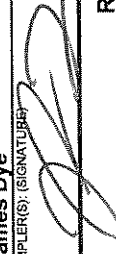






- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- DO Surrogate Diluted Out
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix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

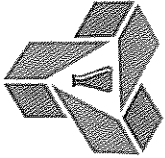


CHAIN OF CUSTODY RECORD

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

DATE: 3/22/11
 PAGE: 1 OF 1

LABORATORY CLIENT: Kinder Morgan Energy Partners, Attn: Steve Defibaugh		CLIENT PROJECT NAME/NUMBER:															
ADDRESS: 1100 Town & Country Road		PROJECT CONTACT: SFPP - Norwalk Site															
CITY: Orange, CA 92868		P.O. NO.:															
TEL: 714-560-4802	FAX: 714-560-4601	QUOTE NO.:															
TURNAROUND TIME: <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS		LAB USE ONLY: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>															
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): <input type="checkbox"/> RWQCB REPORTING <input type="checkbox"/> ARCHIVE SAMPLES UNTIL / /		SAMPLER(S) (SIGNATURE): 															
SPECIAL INSTRUCTIONS: Report to D. Jablonski/CH2M HILL, cc: KMEP Direct Bill KMEP/SFPP - Steve Defibaugh-ref. AFE# 81195 "J" flags required/Use lowest possible detection limit - all methods.		REQUESTED ANALYSIS															
LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	TIME	MAT- RIX	NO. OF CONT.	Oil & Grease (1684)	TPH-g (C5-C14 Only) (8015B (M))	BTEX:1,1-DCA;1,2-DCA;MEK(8260B)	Settleable Solids (2540F)	Total Suspended Solids (2540D)	Phenolics (420.1)	Cr(VI),Cu(7199,6020)	Se (6020) 24 HR TAT	Hg (7470A) 24 HR TAT	MTBE (8260B) 24 Hour TAT	Comments
	EFF-3-22	Effluent	3/22/11	12:00	WW	13	X	X	X	X	X	X	X	X	X	X	Temperature* =
						14											Temperature* =
						12											(Temp. as sampled*)
																	Monthly
Relinquished by (Signature): 							Received by (Signature): 		Date: 3/22/11		Time: 1337						
Relinquished by (Signature): 							Received by (Signature): 		Date: 3/22/11		Time: 1412						
Relinquished by (Signature): 							Received by (Signature): 		Date: 3/23/11		Time: 920 am						



Advanced Technology Laboratories

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

CHAIN-OF-CUSTODY RECORD

QC Level: RTNE

Subcontractor:

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

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

Field Sampler: James Dye

22-Mar-11

Sample ID	Matrix	Date Collected	Bottle Type	EPA 420.1	Requested Tests
N005522-001D / EFF-3-22	Wastewater	3/22/2011 12:00:00 PM	32OZP		SM2540F
N005522-001F / EFF-3-22	Wastewater	3/22/2011 12:00:00 PM	32OZP	1	1

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

Please use PO#: N005522 Please e-mail results by: 5 day TAT.

Relinquished by:	Date/Time	Relinquished by:	Date/Time
	3/22/11 2:40P	Received by:	
Relinquished by:		Received by:	



March 29, 2011



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

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196
ORELAP No.: CA300003

Workorder No.: 116984

RE:

Attention: Marlon Cartin

Enclosed are the results for sample(s) received on March 22, 2011 by Advanced Technology Laboratories . 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 (562)989-4045 if I can be of further assistance to your company.

Sincerely,

A handwritten signature in black ink, appearing to read "E. Rodriguez".

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



CLIENT: Advanced Technology Laboratory-Las Vega

Project:

Lab Order: 116984

CASE NARRATIVE

Analytical Comments for EPA 420.1

Sample 116902-001B-MS, Matrix Spike (MS) is outside recovery criteria; however, the analytical batch was validated by the Laboratory Control Sample (LCS).



Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 29-Mar-11

CLIENT: Advanced Technology Laboratory-Las Vega **Client Sample ID:** N005522-001D / EFF-3-22
Lab Order: 116984 **Collection Date:** 3/22/2011 12:00:00 PM
Project: **Matrix:** WASTEWATER
Lab ID: 116984-001A

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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SETTLABLE MATTER

SM2540F

RunID: WETCHEM_110322H	QC Batch: 71737				PrepDate: 3/22/2011	Analyst: CBB
Settleable Matter	ND	0.10		ml/L	1	3/22/2011

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



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 29-Mar-11

CLIENT: Advanced Technology Laboratory-Las Vega **Client Sample ID:** N005522-001F / EFF-3-22
Lab Order: 116984 **Collection Date:** 3/22/2011 12:00:00 PM
Project: **Matrix:** WASTEWATER
Lab ID: 116984-002A

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

PHENOLICS

EPA 420.1

RunID: WETCHEM3_110324B	QC Batch: 71799				PrepDate: 3/23/2011	Analyst: AAG
Phenolics, Total Recoverable	ND	0.030		mg/L	1	3/24/2011

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



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

CLIENT: Advanced Technology Laboratory-Las Vegas
Work Order: 116984
Project:

ANALYTICAL QC SUMMARY REPORT

TestCode: 2540F_CH2

Sample ID: MB-71737	SampType: MBLK	TestCode: 2540F_CH2	Units: ml/L	Prep Date: 3/22/2011	RunNo: 131354						
Client ID: PBW	Batch ID: 71737	TestNo: SM2540F		Analysis Date: 3/22/2011	SeqNo: 2138398						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Settleable Matter

ND 0.10

Qualifiers:

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- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference



CLIENT: Advanced Technology Laboratory--Las Vegas
Work Order: 116984
Project: **TestCode: 420.1_W_CH2**

ANALYTICAL QC SUMMARY REPORT

Sample ID: 116902-001B-MS	SampType: MS	TestCode: 420.1_W_CH	Units: mg/L	Prep Date: 3/23/2011	RunNo: 131390						
Client ID: ZZZZZZ	Batch ID: 71799	TestNo: EPA 420.1		Analysis Date: 3/24/2011	SeqNo: 2138989						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	1.821	0.030	2.500	0	72.8	80	120				S

Sample ID: 116902-001B-MSD	SampType: MSD	TestCode: 420.1_W_CH	Units: mg/L	Prep Date: 3/23/2011	RunNo: 131390						
Client ID: ZZZZZZ	Batch ID: 71799	TestNo: EPA 420.1		Analysis Date: 3/24/2011	SeqNo: 2138990						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	2.104	0.030	2.500	0	84.2	80	120	1.821	14.4	20	

Sample ID: LCS-71757	SampType: LCS	TestCode: 420.1_W_CH	Units: mg/L	Prep Date: 3/23/2011	RunNo: 131390						
Client ID: LCSW	Batch ID: 71799	TestNo: EPA 420.1		Analysis Date: 3/24/2011	SeqNo: 2138996						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	2.358	0.030	2.500	0	94.3	80	120				

Sample ID: MB-71757	SampType: MBLK	TestCode: 420.1_W_CH	Units: mg/L	Prep Date: 3/23/2011	RunNo: 131390						
Client ID: PBW	Batch ID: 71799	TestNo: EPA 420.1		Analysis Date: 3/24/2011	SeqNo: 2138997						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	ND	0.030									

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

Carmen Aguila

From: Glen S. Gesmundo [glen@atl-labs.com]
Sent: Tuesday, March 22, 2011 2:41 PM
To: Carmen Aguila
Cc: Marlon Cartin
Subject: SUB COC Norwalk Site
Attachments: N005522Sub COC.pdf

Please see attached.

Thanks.
Glen



Advanced Technology Laboratories

3151-3153 W Post Rd., Las Vegas, NV 89118
www.atlab.com
TEL: 702-307-2659 FAX: 702-307-2691

CHAIN-OF-CUSTODY RECORD

QC Level: RTNE

Subcontractor:

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

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

Field Sampler: James Dye

22-Mar-11

Sample ID	Matrix	Date Collected	Bottle Type	EPA 420.1	Requested Tests
116764-087 / 2 N005522-001D / EFF-3-22	Wastewater	3/22/2011 12:00:00 PM	32OZP	1	SM2540F
N005522-001F / EFF-3-22	Wastewater	3/22/2011 12:00:00 PM	32OZP	1	

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

Please use PO#: N005522 Please e-mail results by: 5 day TAT.

Relinquished by: *[Signature]* Date/Time: 3/22/11 2:58 PM

Received by: *[Signature]* Date/Time: 3/22/11 1:17 PM

Received by: *[Signature]*

