



**SFPP, L.P.**  
Operating Partnership

August 12, 2015

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

**Re: Effluent Monitoring Report**  
April through June 2015  
SFPP, L.P. Norwalk Pump Station  
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 Second Quarter 2015 Effluent Monitoring Report for the subject discharge.

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

Executed on the 12 day of August 2015.  
at 4:20 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)



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

August 14, 2015

Subject: Effluent Monitoring Report, April 1 to June 31, 2015 (Second Quarter 2015)  
SFPP Norwalk Pump Station, 15306 Norwalk Boulevard, Norwalk, California  
(NPDES No. CA0063509, CI No. 7497)

Dear Mr. Defibaugh,

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

SFPP performed certain operations, maintenance, and monitoring tasks on the product recovery and GWE systems. SFPP retained CH2M to prepare this report based on the NPDES monitoring performed by SFPP. This report describes NPDES monitoring activities during the period of April 1 to June 31, 2015.

## Remediation System

SFPP currently operates remediation systems consisting of soil vapor extraction (SVE), total fluids extraction (TFE) of free product, GWE for hydraulic control, and treatment of extracted soil vapors and groundwater to address two specific areas at and near the site: the south-central area and the southeastern area. Operation of the West Side Barrier (WSB) GWE system (WSB system) for remediation of the western offsite area was discontinued in August 2008 based on the reduced lateral extent and low concentrations of volatile organic compounds (VOCs) west of the site.

SVE is performed using a blower to remove soil vapors at a rate of up to 3,000 standard cubic feet per minute (scfm) from up to 33 SVE wells. The extracted vapors are conveyed to a knock-out tank that separates entrained moisture from the soil vapors. Accumulated moisture in the knock-out tank is treated by the main groundwater treatment system (GWTS) described below. The soil vapors are then treated in a thermal oxidizer where VOCs are converted to carbon dioxide and water prior to being discharged to the atmosphere. Operation of the GWTS and SVE is conducted in accordance with Permits to Construct (Application Nos. 569588 and 567723, respectively; ID 110835) issued by the South Coast Air Quality Management District (SCAQMD).

The main GWTS handles free product and groundwater from up to 20 extraction wells located in the south-central area and up to 5 extraction wells located in the southeastern area of the site. During the second quarter 2015, the GWTS extracted from 18 wells equipped with pneumatically operated

top-loading total fluids pumps, including 14 wells in the south-central area (GMW-9, GMW-24, GMW-25, GMW-O-11, GMW-O-20, GMW-O-21, GMW-O-23, MW-SF-2, MW-SF-3, MW-SF-6, MW-SF-11, MW-SF-12, MW-SF-14, and MW-SF-16) and 4 wells in the southeastern area (GMW-36, GMW-O-15, GMW-O-18, and GMW-SF-9). Free product and groundwater recovered by pneumatically operated top-loading total fluids pumps are piped to an oil-water separator (OWS). Free product from the OWS is collected in a storage tank and recycled at an offsite location. Water from the OWS is treated using liquid-phase granular activated carbon (LGAC). Treated water is routed through an onsite 3,000-gallon equalization tank. Two fluidized bed bioreactors (FBBRs) installed downstream of the equalization tank treat fuel oxygenates such as tertiary butyl alcohol (TBA) and methyl tertiary butyl ether (MTBE) that are not treated in the LGAC. The treated groundwater then passes through polishing LGAC units prior to discharge in accordance with the NPDES permit (No. CA0063509, CI No. 7497).

## Summary of Quarterly Operations

Approximately 1,001,354 gallons of groundwater were extracted from the south-central and southeastern areas during the second quarter 2015. No groundwater was extracted from the WSB area during this period. Table 1 summarizes the average daily flow rate during the reporting period. The GWTS operated throughout the quarter, with the following exceptions:

- The GWTS was turned off on April 13, 2015, in preparation for the second semiannual groundwater monitoring event. The system was restarted on April 22, 2015, once the groundwater gauging was completed.
- The GWTS was turned off on May 1, 2015, for a carbon changeout of PV-2 for the lead LGAC system. The system was restarted on the same day.
- The GWTS was turned off on May 1, 2015, due to a broken sump pump. The pump was replaced and the system was restarted on the same day.
- The GWTS was turned off on May 7, 2015, to clean out the OWS, sump, equalization tank, and transfer tank. The system was restarted on the same day.
- The GWTS was turned off between May 14 and May 15, 2015, due to faulty transfer tank level switches. The switches were repaired and the system was restarted on May 15, 2015.
- The GWTS was turned off on May 22, 2015, to vacuum and haul off the product accumulated in the product tank. The system was restarted on the same day.
- The GWTS was turned off on May 29, 2015, to replace two existing 200-pound vapor-phase granular activated carbon (VGAC) drums that are used for treating product tank vapors, with two new 400-pound VGAC drums. The system was restarted on the same day.
- The GWTS was off on arrival on June 9, 2015, due to a high product tank alarm. The product tank was filled with water. The water was drained from the product tank and the system was restarted on the same day.
- The GWTS was off on arrival on June 27, 2015, due to a high transfer tank alarm. The system was restarted on the same day.
- The GWTS was off on arrival on June 29, 2015, due to a high transfer tank alarm. The system was restarted on the same day.

## Routine Effluent Monitoring

Effluent water samples were collected pursuant to the Waste Discharge Requirements (WDRs) under Order No. R4-2011-0095. Samples were collected at the Order-designated monitoring point EFF-001 (Remediation System Effluent). Samples were transported to Advanced Technology Laboratories (ATL) in Las Vegas, Nevada, for analysis. ATL is certified by the National Environmental Laboratory Accreditation Program and the California Department of Public Health Environmental Laboratory Accreditation Program. The samples were analyzed in accordance with current U.S. 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 Tables 2 and 3. Laboratory analytical reports and chain-of-custody documents are included in Appendix A.

## Summary of Compliance Results

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

## Waste Hauling

Approximately 900 pounds of hazardous waste solids (spent carbon) were removed from the site on April 2, 2015, by Environmental Logistics, Inc. of 140 West Monte Avenue, Bloomington, California 92316. The waste was transported to Crosby & Overton at 1630 W. 17th Street, Long Beach, California 90813.

Approximately 1,400 gallons of flammable liquid waste (recovered fuel product) was removed from the site on April 28, 2015, by Patriot Environmental Services of 508 East E Street, Wilmington, California 90744. The waste was transported to Demenno/Kerdoon at 2000 North Alameda Street, Compton, California 90222.

Approximately 950 gallons of recovered fuel product was removed from the site on May 22, 2015, by Patriot Environmental Services and transported to Demenno/Kerdoon.

Approximately 1,400 gallons of recovered fuel product was removed from the site on June 16, 2015, by Patriot Environmental Services and transported to Demenno/Kerdoon.

Approximately 80 gallons of recovered fuel product was removed from the site on June 30, 2015, by Belshire Environmental Services, Inc., of 25971 Towne Centre Drive, Foothill Ranch, California 92610. The waste was transported to Demenno/Kerdoon.

Copies of the waste manifests are included in Appendix B.

Should you require any further information, please contact me at (714) 435-6255.

Regards,  
CH2M HILL Engineers, Inc.



Vidal Cortes  
Project Engineer

**Attachments:**

Table 1 – Effluent Flow Rate Measurements, Second Quarter 2015

Table 2 – NPDES Effluent Monitoring, Second Quarter 2015

Table 3 – NPDES Effluent Monitoring, Remaining Priority Pollutants, Second Quarter 2015

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

Appendix B – Waste Manifests

Tables

**Table 1. Effluent Flow Rate Measurements, Second Quarter 2015**

*SFPP Norwalk Pump Station, Norwalk, California*

Date	Average Flow Rate (gpd) (Maximum Daily Discharge Limit = 150,000 gpd <sup>1</sup> )
04/01/15	4,957
04/02/15	12,261
04/03/15	11,958
04/04/15	11,934
04/05/15	12,161
04/06/15	12,183
04/07/15	11,621
04/08/15	12,053
04/09/15	15,447
04/10/15	14,531
04/11/15	15,151
04/12/15	15,870
04/13/15	15,240
04/14/15	9,612
04/15/15	0
04/16/15	0
04/17/15	4
04/18/15	2
04/19/15	6
04/20/15	5
04/21/15	15
04/22/15	43
04/23/15	6,605
04/24/15	14,670
04/25/15	13,734
04/26/15	12,820
04/27/15	12,774
04/28/15	12,721
04/29/15	12,721
04/30/15	12,721
05/01/15	15,855
05/02/15	12,762
05/03/15	12,629
05/04/15	12,693
05/05/15	12,475
05/06/15	12,934
05/07/15	15,213
05/08/15	14,666
05/09/15	14,387
05/10/15	14,583
05/11/15	14,565
05/12/15	15,012
05/13/15	6,923
05/14/15	5,915
05/15/15	0
05/16/15	6,020
05/17/15	11,405
05/18/15	9,554
05/19/15	6,290
05/20/15	9,715
05/21/15	11,156
05/22/15	10,751
05/23/15	9,773
05/24/15	8,601
05/25/15	8,503
05/26/15	8,335
05/27/15	8,017
05/28/15	7,814
05/29/15	7,864

**Table 1. Effluent Flow Rate Measurements, Second Quarter 2015**

*SFPP Norwalk Pump Station, Norwalk, California*

Date	Average Flow Rate (gpd) (Maximum Daily Discharge Limit = 150,000 gpd <sup>1</sup> )
05/30/15	7,581
05/31/15	7,695
06/01/15	7,638
06/02/15	7,641
06/03/15	7,967
06/04/15	7,854
06/05/15	9,216
06/06/15	11,291
06/07/15	8,542
06/08/15	8,537
06/09/15	9,920
06/10/15	10,608
06/11/15	12,232
06/12/15	12,208
06/13/15	11,952
06/14/15	12,036
06/15/15	11,935
06/16/15	11,747
06/17/15	10,637
06/18/15	16,194
06/19/15	16,581
06/20/15	16,496
06/21/15	16,352
06/22/15	16,156
06/23/15	16,129
06/24/15	18,827
06/25/15	21,621
06/26/15	23,039
06/27/15	27,841
06/28/15	10,696
06/29/15	27,653
06/30/15	8,302

Notes

1. California Regional Water Quality Control Board Waste Discharge Requirements (WDRs).  
gpd = gallons per day



**Table 2. NPDES Effluent Monitoring, Second Quarter 2015**

*SFPD Norwalk Pump Station, Norwalk, California*

Analyte	Sampling Frequency	Analytical Method	Units	MDL <sup>3</sup>	RL <sup>3</sup>	ML <sup>1</sup>	4/7/2015	5/5/2015	6/2/2015	Discharge Limits <sup>2</sup>	
										Monthly Average	Daily Maximum
Temperature	Monthly	--	°F	--	--	NE	76	78	83.9	--	86
Oil and Grease	Monthly	EPA 1664A	mg/L	0.91	4.5	NE	<0.91	0.74 J	<0.74	10	15
TPH as gas (C4-C12)	Monthly	EPA 8015B	µg/L	16	50	NE	<16	<16	<16	--	--
TPH as Diesel (C13-C22)	Monthly	EPA 8015B	µg/L	16	26	NE	<16	<15	<15	--	--
TPH as Oil (C23+)	Monthly	EPA 8015B	µg/L	14	26	NE	<14	<14	<14	--	--
Total TPH	Monthly	EPA 8015B	µg/L	22	50	NE	<22	<22	<16	NE	100
Settleable Solids	Monthly	SM 2540F	mL/L/hr	0.1	0.1	NE	<0.1	<0.088	<0.0087	0.1	0.3
Total Suspended Solids	Monthly	SM 2540D	mg/L	10	10	NE	<10	<10	<10	50	75
Phenolics	Monthly	EPA 420.1	µg/L	150	300	50	<150	<150	<150	300	NE
Benzene	Monthly	EPA 8260B	µg/L	0.048	1	2.0	<0.048	<0.036	<0.036	1	NE
1,1-Dichloroethane	Monthly	EPA 8260B	µg/L	0.054	0.5	1.0	<0.054	<0.022	<0.022	5	NE
1,2-Dichloroethane	Monthly	EPA 8260B	µg/L	0.06	0.5	2.0	<0.044	<0.064	<0.064	0.5	NE
Ethylbenzene	Monthly	EPA 8260B	µg/L	0.036	1	2.0	<0.036	<0.036	<0.036	10	NE
Toluene	Monthly	EPA 8260B	µg/L	0.042	2	2.0	<0.025	<0.042	<0.042	10	NE
Methyl tertiary-butyl ether	Monthly	EPA 8260B	µg/L	0.098	1	NE	<0.098	<0.062	<0.062	NE	5.0
Tertiary butyl alcohol	Monthly	EPA 8260B	µg/L	0.4	5	NE	<0.4	<0.3	<0.3	NE	12
Total Xylenes	Monthly	EPA 8260B	µg/L	1.5	2	NE	<1.5	<1.5	<1.5	10	NE
Copper (total recoverable) (dry weather)	Monthly	EPA 200.8	µg/L	0.26	0.5	0.5	<0.04	<0.26	<0.26	16	33
Copper (total recoverable) (wet weather)	Monthly	EPA 200.8	µg/L	0.26	0.5	0.5	<0.04	<0.26	<0.26	13	27
Lead (total recoverable) (dry weather)	Monthly	EPA 200.8	µg/L	0.053	0.5	0.5	<0.011	<0.053	<0.053	8.2	15
Lead (total recoverable) (wet weather)	Monthly	EPA 200.8	µg/L	0.053	0.5	0.5	<0.011	<0.053	<0.053	34	106
Mercury (total recoverable)	Monthly	EPA 245.1	µg/L	0.018	0.05	0.2	<0.018	0.032 J	0.034 J	0.051	0.14
Selenium (total recoverable)	Monthly	EPA 200.8	µg/L	0.07	0.5	2.0	<0.069	<0.07	<0.07	3.4	9.2
Thallium (total recoverable)	Monthly	EPA 200.8	µg/L	0.034	0.5	1.0	0.018 J	<0.034	<0.034	6.3	13
Zinc (total recoverable) (wet weather) <sup>4</sup>	Monthly	EPA 200.8	µg/L	0.23	10	1.0	2.1 J	2.8 J	<0.039	79	158
Chromium VI	Monthly	EPA 7199	µg/L	0.015	0.2	0.5	0.081 J	0.13 J	0.17 J	8.1	16
pH	Quarterly	--	s.u.	--	--	NE	8	--	--	--	6.5/8.5
Ammonia Nitrogen (as N)	Quarterly	SM 4500 NH3C	mg/L	--	--	NE	0.099 J	--	--	NE	NE
Di-isopropyl Ether	Quarterly	EPA 8260B	µg/L	0.034	1	NE	<0.034	--	--	NE	NE
Methylene Blue Active Substances	Quarterly	SM 5540C	mg/L	--	--	NE	0.107	--	--	NE	NE
Tert-amyl-methyl Ether	Quarterly	EPA 8260B	µg/L	0.054	1	NE	<0.054	--	--	NE	NE
Turbidity	Quarterly	SM 2130B	NTU	0.1	0.1	NE	0.27	--	--	50	75
Methyl ethyl ketone	Quarterly	EPA 8260B	µg/L	0.7	10	NE	<0.7	--	--	50	NE
Other Priority Pollutants (see Table 3)	Quarterly <sup>5</sup>	--	--	--	--	--	--	--	--	NE	NE

Notes

1. ML is the concentration at which the entire analytical system must give a recognizable signal and acceptable calibration point. It is also the concentration in a sample that is equivalent to the concentration of the lowest calibration standard analyzed by a specific analytical procedure, assuming that all the method specified sample weights, volumes, and processing steps have been followed.
  2. California Regional Water Quality Control Board Waste Discharge Requirements (WDRs).
  3. The highest MDL and RL during this reporting period is shown.
  4. There are no dry weather limitations for zinc.
  5. Effluent monitoring shall occur quarterly for the first two years after the Order is adopted. After the first two years, effluent shall be monitored once per year.
- = not measured or not analyzed.

° 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

NTU = nephelometric turbidity units

s.u. = standard units

mL/L/hr = milliliters per liter per hour

< = not detected above the MDL

MDL = laboratory method detection limit

RL = reporting limit

ML = minimum level. See note 1.

NE = not established

**Table 3. NPDES Effluent Monitoring, Remaining Priority Pollutants, Second Quarter 2015**

*SFPD Norwalk Pump Station, Norwalk, California*

Analyte	Analytical Method	Units	MDL	RL	4/7/2015	ML <sup>1</sup>
1,1,1-Trichloroethane	EPA 8260B	µg/L	0.072	1	<0.072	2
1,1,2,2-Tetrachloroethane	EPA 8260B	µg/L	0.1	1	<0.1	1
1,1,2-Trichloroethane	EPA 8260B	µg/L	0.042	1	<0.042	2
1,1-Dichloroethene	EPA 8260B	µg/L	0.16	1	<0.16	2
1,2,4-Trichlorobenzene	EPA 8260B	µg/L	0.1	1	<0.1	5
1,2-Dichlorobenzene	EPA 8260B	µg/L	0.048	1	<0.048	2
1,2-Dichloropropane	EPA 8260B	µg/L	0.094	1	<0.094	1
1,3-Dichlorobenzene	EPA 8260B	µg/L	0.061	1	<0.061	1
1,4-Dichlorobenzene	EPA 8260B	µg/L	0.078	1	<0.078	1
Bromodichloromethane	EPA 8260B	µg/L	0.048	1	<0.048	2
Bromoform	EPA 8260B	µg/L	0.061	1	<0.061	2
Bromomethane	EPA 8260B	µg/L	0.073	1	0.25 J	2
cis-1,3-Dichloropropene	EPA 8260B	µg/L	0.043	1	<0.043	2
Carbon Tetrachloride	EPA 8260B	µg/L	0.057	0.5	<0.057	2
Chlorobenzene	EPA 8260B	µg/L	0.028	1	<0.028	2
Chloroethane	EPA 8260B	µg/L	0.099	1	<0.099	2
Chloroform	EPA 8260B	µg/L	0.048	1	<0.048	2
Chloromethane	EPA 8260B	µg/L	0.043	1	0.3 J	2
Dibromochloromethane	EPA 8260B	µg/L	0.057	1	<0.057	2
Hexachlorobutadiene	EPA 8260B	µg/L	0.07	1	<0.07	1
Methylene Chloride	EPA 8260B	µg/L	0.28	2	<0.28	2
Naphthalene	EPA 8260B	µg/L	0.062	1	<0.062	1
trans-1,2-Dichloroethene	EPA 8260B	µg/L	0.074	1	<0.074	1
trans-1,3-Dichloropropene	EPA 8260B	µg/L	0.051	1	<0.051	2
Tetrachloroethene	EPA 8260B	µg/L	0.12	1	<0.12	2
Trichloroethene	EPA 8260B	µg/L	0.074	1	<0.074	2
Vinyl Chloride	EPA 8260B	µg/L	0.044	0.5	<0.044	2

**Notes**

1. ML is the concentration at which the entire analytical system must give a recognizable signal and acceptable calibration point. It is also the concentration in a sample that is equivalent to the concentration of the lowest calibration standard analyzed by a specific analytical procedure, assuming that all the method specified sample weights, volumes, and processing steps have been followed.

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

µg/L = micrograms per liter

< = not detected above the MDL

MDL = laboratory method detection limit

RL = reporting limit

ML = minimum level. See note 1.

NE = not established

RL = laboratory reporting limit

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

April 14, 2015

Dan Jablonski  
CH2MHill  
1000 Wilshire Blvd.  
Los Angeles, CA 90017

CA-ELAP No.: 2676  
NV Cert. No.: NV-00922

TEL:  
FAX:

Workorder No.: N015230

RE: SFPP - Norwalk Site

Attention: Dan Jablonski

Enclosed are the results for sample(s) received on April 08, 2015 by ASSET 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 (702) 307-2659 if I can be of further assistance to your company.

Sincerely,

 Nancy Libucano for

Glen Gesmundo  
QA Manager

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.



**ASSET LABORATORIES**  
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

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3151 W. Post Rd., Las Vegas, NV 89118  
P: 702.307.2659 F: 702.307.2691

*"Serving Clients with Passion and Professionalism"*

**CLIENT:** CH2MHill  
**Project:** SFPP - Norwalk Site  
**Lab Order:** N015230

**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 Test:**

Ammonia, MBAS and Phenol were subcontracted to AETL - Burbank, CA .

**Analytical Comments for EPA 200.8:**

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) on QC samples N015230-001E-MS and N015230-001E-MSD are outside recovery criteria for Copper possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.



**CLIENT:** CH2MHill  
**Project:** SFPP - Norwalk Site  
**Lab Order:** N015230  
**Contract No:**

**Work Order Sample Summary**

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N015230-001A	EFF-04-07	Wastewater	4/7/2015 2:20:00 PM	4/8/2015	4/14/2015
N015230-001B	EFF-04-07	Wastewater	4/7/2015 2:20:00 PM	4/8/2015	4/14/2015
N015230-001C	EFF-04-07	Wastewater	4/7/2015 2:20:00 PM	4/8/2015	4/14/2015
N015230-001D	EFF-04-07	Wastewater	4/7/2015 2:20:00 PM	4/8/2015	4/14/2015
N015230-001E	EFF-04-07	Wastewater	4/7/2015 2:20:00 PM	4/8/2015	4/14/2015
N015230-001F	EFF-04-07	Wastewater	4/7/2015 2:20:00 PM	4/8/2015	4/14/2015
N015230-001G	EFF-04-07	Wastewater	4/7/2015 2:20:00 PM	4/8/2015	4/14/2015
N015230-001H	EFF-04-07	Wastewater	4/7/2015 2:20:00 PM	4/8/2015	4/14/2015
N015230-001I	EFF-04-07	Wastewater	4/7/2015 2:20:00 PM	4/8/2015	4/14/2015
N015230-001J	EFF-04-07	Wastewater	4/7/2015 2:20:00 PM	4/8/2015	4/14/2015
N015230-001K	EFF-04-07	Wastewater	4/7/2015 2:20:00 PM	4/8/2015	4/14/2015



**ASSET Laboratories**

**ANALYTICAL RESULTS**

Print Date: 14-Apr-15

**CLIENT:** CH2MHill  
**Lab Order:** N015230  
**Project:** SFPP - Norwalk Site  
**Lab ID:** N015230-001

**Client Sample ID:** EFF-04-07  
**Collection Date:** 4/7/2015 2:20:00 PM  
**Matrix:** WASTEWATER

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

**SM2540D**

RunID: <b>WETCHEM_150408B</b>	QC Batch: <b>50158</b>				PrepDate	<b>4/8/2015</b>	Analyst: <b>LR</b>
Suspended Solids (Residue, Non-Filterable)	ND	10	10		mg/L	1	4/8/2015 11:31 AM

**SETTLABLE MATTER**

**SM2540F**

RunID: <b>WETCHEM_150408G</b>	QC Batch: <b>50159</b>				PrepDate	<b>4/8/2015</b>	Analyst: <b>QBM</b>
Settleable Matter	ND	0.10	0.10		ml/L	1	4/8/2015

**TURBIDITY**

**SM 2130B**

RunID: <b>WETCHEM_150408A</b>	QC Batch: <b>R99816</b>				PrepDate		Analyst: <b>LR</b>
Turbidity	0.27	0.10	0.10		NTU	1	4/8/2015 05:00 PM

**HEXANE EXTRACTABLE MATERIAL (HEM)**

**EPA 1664 \_HEM**

RunID: <b>WETCHEM_150410D</b>	QC Batch: <b>50182</b>				PrepDate	<b>4/10/2015</b>	Analyst: <b>LR</b>
Oil & Grease	ND	0.91	4.5		mg/L	1	4/10/2015

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: <b>MS5_150408A</b>	QC Batch: <b>P15VW062</b>				PrepDate		Analyst: <b>QBM</b>
1,1,1-Trichloroethane	ND	0.072	1.0		ug/L	1	4/8/2015 12:12 PM
1,1,2,2-Tetrachloroethane	ND	0.10	1.0		ug/L	1	4/8/2015 12:12 PM
1,1,2-Trichloroethane	ND	0.042	1.0		ug/L	1	4/8/2015 12:12 PM
1,1-Dichloroethane	ND	0.054	0.50		ug/L	1	4/8/2015 12:12 PM
1,1-Dichloroethene	ND	0.16	1.0		ug/L	1	4/8/2015 12:12 PM
1,2,4-Trichlorobenzene	ND	0.10	1.0		ug/L	1	4/8/2015 12:12 PM
1,2-Dichlorobenzene	ND	0.048	1.0		ug/L	1	4/8/2015 12:12 PM
1,2-Dichloroethane	ND	0.044	0.50		ug/L	1	4/8/2015 12:12 PM
1,2-Dichloropropane	ND	0.094	1.0		ug/L	1	4/8/2015 12:12 PM
1,3-Dichlorobenzene	ND	0.061	1.0		ug/L	1	4/8/2015 12:12 PM
1,4-Dichlorobenzene	ND	0.078	1.0		ug/L	1	4/8/2015 12:12 PM
2-Butanone	ND	0.70	10		ug/L	1	4/8/2015 12:12 PM
Benzene	ND	0.048	1.0		ug/L	1	4/8/2015 12:12 PM
Bromodichloromethane	ND	0.048	1.0		ug/L	1	4/8/2015 12:12 PM
Bromoform	ND	0.061	1.0		ug/L	1	4/8/2015 12:12 PM
Bromomethane	0.25	0.073	1.0		J ug/L	1	4/8/2015 12:12 PM

<b>Qualifiers:</b>	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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**ASSET Laboratories**

**ANALYTICAL RESULTS**

Print Date: 14-Apr-15

**CLIENT:** CH2MHill  
**Lab Order:** N015230  
**Project:** SFPP - Norwalk Site  
**Lab ID:** N015230-001

**Client Sample ID:** EFF-04-07  
**Collection Date:** 4/7/2015 2:20:00 PM  
**Matrix:** WASTEWATER

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

**EPA 8260B**

RunID: MS5_150408A	QC Batch: P15VW062	PrepDate			Analyst: QBM	
Carbon tetrachloride	ND	0.057	0.50	ug/L	1	4/8/2015 12:12 PM
Chlorobenzene	ND	0.028	1.0	ug/L	1	4/8/2015 12:12 PM
Chloroethane	ND	0.099	1.0	ug/L	1	4/8/2015 12:12 PM
Chloroform	ND	0.048	1.0	ug/L	1	4/8/2015 12:12 PM
Chloromethane	0.30	0.043	1.0	J ug/L	1	4/8/2015 12:12 PM
cis-1,3-Dichloropropene	ND	0.043	1.0	ug/L	1	4/8/2015 12:12 PM
Di-isopropyl ether	ND	0.034	1.0	ug/L	1	4/8/2015 12:12 PM
Dibromochloromethane	ND	0.057	1.0	ug/L	1	4/8/2015 12:12 PM
Ethylbenzene	ND	0.036	1.0	ug/L	1	4/8/2015 12:12 PM
Hexachlorobutadiene	ND	0.070	1.0	ug/L	1	4/8/2015 12:12 PM
m,p-Xylene	ND	0.14	1.0	ug/L	1	4/8/2015 12:12 PM
Methylene chloride	ND	0.28	2.0	ug/L	1	4/8/2015 12:12 PM
MTBE	ND	0.098	1.0	ug/L	1	4/8/2015 12:12 PM
Naphthalene	ND	0.062	1.0	ug/L	1	4/8/2015 12:12 PM
o-Xylene	ND	0.042	1.0	ug/L	1	4/8/2015 12:12 PM
Tert-amyl methyl ether	ND	0.054	1.0	ug/L	1	4/8/2015 12:12 PM
Tert-Butanol	ND	0.40	5.0	ug/L	1	4/8/2015 12:12 PM
Tetrachloroethene	ND	0.12	1.0	ug/L	1	4/8/2015 12:12 PM
Toluene	ND	0.025	2.0	ug/L	1	4/8/2015 12:12 PM
trans-1,2-Dichloroethene	ND	0.074	1.0	ug/L	1	4/8/2015 12:12 PM
trans-1,3-Dichloropropene	ND	0.051	1.0	ug/L	1	4/8/2015 12:12 PM
Trichloroethene	ND	0.074	1.0	ug/L	1	4/8/2015 12:12 PM
Vinyl chloride	ND	0.044	0.50	ug/L	1	4/8/2015 12:12 PM
Xylenes, Total	ND	1.5	2.0	ug/L	1	4/8/2015 12:12 PM
Surr: 1,2-Dichloroethane-d4	99.0	0	72-119	%REC	1	4/8/2015 12:12 PM
Surr: 4-Bromofluorobenzene	100	0	76-119	%REC	1	4/8/2015 12:12 PM
Surr: Dibromofluoromethane	97.2	0	85-115	%REC	1	4/8/2015 12:12 PM
Surr: Toluene-d8	99.6	0	81-120	%REC	1	4/8/2015 12:12 PM

**TPH EXTRACTABLE BY GC/FID**

**EPA 3510C**

**EPA 8015B**

RunID: GC1_150410A	QC Batch: 50162	PrepDate			4/9/2015	Analyst: MDM
TPH-Diesel (C13-C22)	ND	16	26	ug/L	1	4/10/2015 01:47 PM
TPH-Oil (C23-C36)	ND	14	26	ug/L	1	4/10/2015 01:47 PM
Surr: Octacosane	102	0	26-152	%REC	1	4/10/2015 01:47 PM
Surr: p-Terphenyl	88.8	0	57-132	%REC	1	4/10/2015 01:47 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 interference  
DO Surrogate Diluted Out



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**ASSET Laboratories**

**ANALYTICAL RESULTS**

Print Date: 14-Apr-15

**CLIENT:** CH2MHill  
**Lab Order:** N015230  
**Project:** SFPP - Norwalk Site  
**Lab ID:** N015230-001

**Client Sample ID:** EFF-04-07  
**Collection Date:** 4/7/2015 2:20:00 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: <b>GC4_150408A</b>	QC Batch: <b>E15VW025</b>				PrepDate		Analyst: <b>QBM</b>
TPH-Gasoline (C4-C12)	ND	16	50		ug/L	1	4/8/2015 10:58 AM
Surr: Chlorobenzene - d5	106	0	74-138		%REC	1	4/8/2015 10:58 AM

**HEXAVALENT CHROMIUM BY IC**

**EPA 7199**

RunID: <b>IC7_150408A</b>	QC Batch: <b>R99834</b>				PrepDate		Analyst: <b>RB</b>
Hexavalent Chromium	0.081	0.015	0.20	J	µg/L	1	4/8/2015 11:13 AM

**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 245.1**

RunID: <b>AA1_150410A</b>	QC Batch: <b>50154</b>				PrepDate	<b>4/8/2015</b>	Analyst: <b>CEI</b>
Mercury	ND	0.018	0.050		µg/L	1	4/10/2015 01:04 PM

**TOTAL METALS BY COLLISION/REACTION CELL ICPMS**

**EPA 200.8**

RunID: <b>ICP7_150408A</b>	QC Batch: <b>50147</b>				PrepDate	<b>4/8/2015</b>	Analyst: <b>CEI</b>
Selenium	ND	0.069	0.50		µg/L	1	4/8/2015 12:27 PM

**TOTAL METALS BY ICPMS**

**EPA 200.8**

RunID: <b>ICP7_150410A</b>	QC Batch: <b>50147</b>				PrepDate	<b>4/8/2015</b>	Analyst: <b>CEI</b>
Copper	ND	0.040	0.50		µg/L	1	4/10/2015 10:48 AM
Lead	ND	0.011	0.50		µg/L	1	4/8/2015 12:27 PM
Thallium	0.018	0.0080	0.50	J	µg/L	1	4/8/2015 12:27 PM
Zinc	2.1	0.23	10	J	µg/L	1	4/8/2015 12:27 PM

**TOTAL TPH**

**EPA 8015B**

RunID: <b>GC1_150410A</b>	QC Batch: <b>R99869</b>				PrepDate		Analyst: <b>MDM</b>
Total TPH	ND	22	50		ug/L	1	4/10/2015

<b>Qualifiers:</b>	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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**CLIENT:** CH2MHill  
**Work Order:** N015230  
**Project:** SFPP - Norwalk Site

**ANALYTICAL QC SUMMARY REPORT**

**TestCode: 160.2\_2540D\_W**

Sample ID	SampType	TestCode	Units	Prep Date	RunNo	Client ID	Batch ID	TestNo	Analysis Date	SeqNo	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
MB-50158	MBLK	160.2_2540D	mg/L	4/8/2015	99817	PBW	50158	SM2540D	4/8/2015	1973691	Suspended Solids (Residue, Non-Filter	ND	10										
LCS-50158	LCS	160.2_2540D	mg/L	4/8/2015	99817	LCSW	50158	SM2540D	4/8/2015	1973692	Suspended Solids (Residue, Non-Filter	932.000	10	1000	0	93.2	80	120					
N015226-001A DUP	DUP	160.2_2540D	mg/L	4/8/2015	99817	ZZZZZ	50158	SM2540D	4/8/2015	1973694	Suspended Solids (Residue, Non-Filter	ND	10						0	0		5	

**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:** CH2MHill  
**Work Order:** N015230  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 160.5\_2540F\_W**

Sample ID <b>MB-50159</b>	SampType: <b>MBLK</b>	TestCode: <b>160.5_2540F_</b> Units: <b>m/L</b>	Prep Date: <b>4/8/2015</b>	RunNo: <b>99904</b>							
Client ID: <b>PBW</b>	Batch ID: <b>50159</b>	TestNo: <b>SM2540F</b>	Analysis Date: <b>4/8/2015</b>	SeqNo: <b>1978135</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Settleable Matter	ND	0.10									

**Qualifiers:**

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



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**CLIENT:** CH2MHill  
**Work Order:** N015230  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 200.8\_W\_DRC**

Sample ID <b>MB-50147</b>	SampType: <b>MBLK</b>	TestCode: <b>200.8_W_DR</b>	Units: <b>µg/L</b>	Prep Date: <b>4/8/2015</b>	RunNo: <b>99822</b>						
Client ID: <b>PBW</b>	Batch ID: <b>50147</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>4/8/2015</b>	SeqNo: <b>1974271</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium ND 0.50

Sample ID <b>LCS-50147</b>	SampType: <b>LCS</b>	TestCode: <b>200.8_W_DR</b>	Units: <b>µg/L</b>	Prep Date: <b>4/8/2015</b>	RunNo: <b>99822</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>50147</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>4/8/2015</b>	SeqNo: <b>1974272</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium 10.576 0.50 10.00 0 106 85 115

Sample ID <b>N015230-001E-MS</b>	SampType: <b>MS</b>	TestCode: <b>200.8_W_DR</b>	Units: <b>µg/L</b>	Prep Date: <b>4/8/2015</b>	RunNo: <b>99822</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>50147</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>4/8/2015</b>	SeqNo: <b>1974276</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium 9.344 0.50 10.00 0 93.4 75 125

Sample ID <b>N015230-001E-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>200.8_W_DR</b>	Units: <b>µg/L</b>	Prep Date: <b>4/8/2015</b>	RunNo: <b>99822</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>50147</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>4/8/2015</b>	SeqNo: <b>1974279</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium 9.478 0.50 10.00 0 94.8 75 125 9.344 1.43 20

Sample ID <b>N015233-001A-MS</b>	SampType: <b>MS</b>	TestCode: <b>200.8_W_DR</b>	Units: <b>µg/L</b>	Prep Date: <b>4/8/2015</b>	RunNo: <b>99822</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>50147</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>4/8/2015</b>	SeqNo: <b>1974281</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium 11.140 0.50 10.00 0.8308 103 75 125

**Qualifiers:**

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



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**CLIENT:** CH2MHill  
**Work Order:** N015230  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 200.8\_W\_SFPP**

Sample ID <b>MB-50147</b>	SampType: <b>MBLK</b>	TestCode: <b>200.8_W_SF</b>	Units: <b>µg/L</b>	Prep Date: <b>4/8/2015</b>	RunNo: <b>99822</b>						
Client ID: <b>PBW</b>	Batch ID: <b>50147</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>4/8/2015</b>	SeqNo: <b>1974149</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.50									
Thallium	ND	0.50									
Zinc	ND	10									

Sample ID <b>LCS-50147</b>	SampType: <b>LCS</b>	TestCode: <b>200.8_W_SF</b>	Units: <b>µg/L</b>	Prep Date: <b>4/8/2015</b>	RunNo: <b>99822</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>50147</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>4/8/2015</b>	SeqNo: <b>1974150</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.346	0.50	10.00	0	103	85	115				
Thallium	10.411	0.50	10.00	0	104	85	115				
Zinc	105.547	10	100.0	0	106	85	115				

Sample ID <b>N015230-001E-MS</b>	SampType: <b>MS</b>	TestCode: <b>200.8_W_SF</b>	Units: <b>µg/L</b>	Prep Date: <b>4/8/2015</b>	RunNo: <b>99822</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>50147</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>4/8/2015</b>	SeqNo: <b>1974154</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.165	0.50	10.00	0	102	75	125				
Thallium	10.004	0.50	10.00	0.01840	99.9	75	125				
Zinc	90.101	10	100.0	2.069	88.0	75	125				

Sample ID <b>N015230-001E-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>200.8_W_SF</b>	Units: <b>µg/L</b>	Prep Date: <b>4/8/2015</b>	RunNo: <b>99822</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>50147</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>4/8/2015</b>	SeqNo: <b>1974157</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.257	0.50	10.00	0	103	75	125	10.17	0.897	20	
Thallium	9.879	0.50	10.00	0.01840	98.6	75	125	10.00	1.26	20	
Zinc	88.387	10	100.0	2.069	86.3	75	125	90.10	1.92	20	

**Qualifiers:**

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



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**CLIENT:** CH2MHill  
**Work Order:** N015230  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 200.8\_W\_SFPP**

Sample ID <b>N015233-001A-MS</b>	SampType: <b>MS</b>	TestCode: <b>200.8_W_SF</b>	Units: <b>µg/L</b>	Prep Date: <b>4/8/2015</b>	RunNo: <b>99822</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>50147</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>4/8/2015</b>	SeqNo: <b>1974159</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	10.129	0.50	10.00	0	101	75	125				
Thallium	10.038	0.50	10.00	0.1529	98.9	75	125				

Sample ID <b>MB-50147</b>	SampType: <b>MBLK</b>	TestCode: <b>200.8_W_SF</b>	Units: <b>µg/L</b>	Prep Date: <b>4/8/2015</b>	RunNo: <b>99857</b>						
Client ID: <b>PBW</b>	Batch ID: <b>50147</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>4/10/2015</b>	SeqNo: <b>1975742</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper	ND	0.50									
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Sample ID <b>LCS-50147</b>	SampType: <b>LCS</b>	TestCode: <b>200.8_W_SF</b>	Units: <b>µg/L</b>	Prep Date: <b>4/8/2015</b>	RunNo: <b>99857</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>50147</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>4/10/2015</b>	SeqNo: <b>1975743</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper	9.988	0.50	10.00	0	99.9	85	115				
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Sample ID <b>N015230-001E-MS</b>	SampType: <b>MS</b>	TestCode: <b>200.8_W_SF</b>	Units: <b>µg/L</b>	Prep Date: <b>4/8/2015</b>	RunNo: <b>99857</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>50147</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>4/10/2015</b>	SeqNo: <b>1975747</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper	7.317	0.50	10.00	0	73.2	75	125				S
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Sample ID <b>N015230-001E-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>200.8_W_SF</b>	Units: <b>µg/L</b>	Prep Date: <b>4/8/2015</b>	RunNo: <b>99857</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>50147</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>4/10/2015</b>	SeqNo: <b>1975748</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Copper	7.412	0.50	10.00	0	74.1	75	125	7.317	1.30	20	S
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**Qualifiers:**

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



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**CLIENT:** CH2MHill  
**Work Order:** N015230  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 200.8\_W\_SFPP**

Sample ID <b>N015233-001A-MS</b>	SampType: <b>MS</b>	TestCode: <b>200.8_W_SF</b>	Units: <b>µg/L</b>	Prep Date: <b>4/8/2015</b>	RunNo: <b>99857</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>50147</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>4/10/2015</b>	SeqNo: <b>1975756</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	9.196	0.50	10.00	1.206	79.9	75	125				

Sample ID <b>N015233-001A-MS</b>	SampType: <b>MS</b>	TestCode: <b>200.8_W_SF</b>	Units: <b>µg/L</b>	Prep Date: <b>4/8/2015</b>	RunNo: <b>99857</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>50147</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>4/10/2015</b>	SeqNo: <b>1975758</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	306.762	50	100.0	196.3	110	75	125				

**Qualifiers:**

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

**TestCode: 2130\_W**

Sample ID <b>MB-R99816</b>	SampType: <b>MBLK</b>	TestCode: <b>2130_W</b>	Units: <b>NTU</b>	Prep Date:	RunNo: <b>99816</b>						
Client ID: <b>PBW</b>	Batch ID: <b>R99816</b>	TestNo: <b>SM 2130B</b>		Analysis Date: <b>4/8/2015</b>	SeqNo: <b>1973686</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	ND	0.10									

Sample ID <b>N015230-001D DUP</b>	SampType: <b>DUP</b>	TestCode: <b>2130_W</b>	Units: <b>NTU</b>	Prep Date:	RunNo: <b>99816</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R99816</b>	TestNo: <b>SM 2130B</b>		Analysis Date: <b>4/8/2015</b>	SeqNo: <b>1973688</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	0.260	0.10						0.2700	3.77	30	

**Qualifiers:**

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

**TestCode: 245.1\_W\_LL**

Sample ID <b>MB-50154</b>	SampType: <b>MBLK</b>	TestCode: <b>245.1_W_LL</b>	Units: <b>µg/L</b>	Prep Date: <b>4/8/2015</b>	RunNo: <b>99858</b>						
Client ID: <b>PBW</b>	Batch ID: <b>50154</b>	TestNo: <b>EPA 245.1</b>		Analysis Date: <b>4/10/2015</b>	SeqNo: <b>1975810</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.050

Sample ID <b>LCS-50154</b>	SampType: <b>LCS</b>	TestCode: <b>245.1_W_LL</b>	Units: <b>µg/L</b>	Prep Date: <b>4/8/2015</b>	RunNo: <b>99858</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>50154</b>	TestNo: <b>EPA 245.1</b>		Analysis Date: <b>4/10/2015</b>	SeqNo: <b>1975811</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 2.611 0.050 2.500 0 104 85 115

Sample ID <b>N015230-001E-MS</b>	SampType: <b>MS</b>	TestCode: <b>245.1_W_LL</b>	Units: <b>µg/L</b>	Prep Date: <b>4/8/2015</b>	RunNo: <b>99858</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>50154</b>	TestNo: <b>EPA 245.1</b>		Analysis Date: <b>4/10/2015</b>	SeqNo: <b>1975813</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 2.463 0.050 2.500 0 98.5 75 125

Sample ID <b>N015230-001E-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>245.1_W_LL</b>	Units: <b>µg/L</b>	Prep Date: <b>4/8/2015</b>	RunNo: <b>99858</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>50154</b>	TestNo: <b>EPA 245.1</b>		Analysis Date: <b>4/10/2015</b>	SeqNo: <b>1975814</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 2.453 0.050 2.500 0 98.1 75 125 2.463 0.420 20

**Qualifiers:**

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

**TestCode: 8015\_W\_FP\_SFPP**

Sample ID <b>MB-50162</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_W_FP_</b>	Units: <b>ug/L</b>	Prep Date: <b>4/9/2015</b>	RunNo: <b>99869</b>						
Client ID: <b>PBW</b>	Batch ID: <b>50162</b>	TestNo: <b>EPA 8015B EPA 3510C</b>		Analysis Date: <b>4/10/2015</b>	SeqNo: <b>1977610</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Diesel (C13-C22)	ND	25									
TPH-Oil (C23-C36)	ND	25									
Surr: Octacosane	84.816		80.00		106	26	152				
Surr: p-Terphenyl	74.562		80.00		93.2	57	132				

**Qualifiers:**

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

**TestCode: 8015\_W\_SFPPTOT**

Sample ID <b>MB-R99869</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_W_SFP</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>99869</b>						
Client ID: <b>PBW</b>	Batch ID: <b>R99869</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>4/10/2015</b>	SeqNo: <b>1977606</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total TPH	ND	50									

**Qualifiers:**

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

**TestCode: 8015GAS\_WSFPP**

Sample ID <b>E150408LCS</b>	SampType: <b>LCS</b>	TestCode: <b>8015GAS_W</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>99825</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>E15VW025</b>	TestNo: <b>EPA 8015B</b>	Analysis Date: <b>4/8/2015</b>	SeqNo: <b>1973981</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	845.000	50	1000	0	84.5	67	136				
Surr: Chlorobenzene - d5	41969.000		50000		83.9	74	138				

Sample ID <b>E150408MB1</b>	SampType: <b>MBLK</b>	TestCode: <b>8015GAS_W</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>99825</b>						
Client ID: <b>PBW</b>	Batch ID: <b>E15VW025</b>	TestNo: <b>EPA 8015B</b>	Analysis Date: <b>4/8/2015</b>	SeqNo: <b>1973982</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	ND	50									
Surr: Chlorobenzene - d5	45969.000		50000		91.9	74	138				

Sample ID <b>N015230-001JMS</b>	SampType: <b>MS</b>	TestCode: <b>8015GAS_W</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>99825</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E15VW025</b>	TestNo: <b>EPA 8015B</b>	Analysis Date: <b>4/8/2015</b>	SeqNo: <b>1973985</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	990.000	50	1000	0	99.0	67	136				
Surr: Chlorobenzene - d5	52310.000		50000		105	74	138				

Sample ID <b>N015230-001JMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015GAS_W</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>99825</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E15VW025</b>	TestNo: <b>EPA 8015B</b>	Analysis Date: <b>4/8/2015</b>	SeqNo: <b>1973986</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	985.000	50	1000	0	98.5	67	136	990.0	0.506	30	
Surr: Chlorobenzene - d5	55137.000		50000		110	74	138		0	0	

**Qualifiers:**

- |  |  |  |
|--|--|--|
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**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_SFPP**

Sample ID	P150408LCS	SampType: LCS	TestCode: 8260_WP_SF	Units: ug/L	Prep Date:	RunNo: 99832					
Client ID:	LCSW	Batch ID:	P15VW062	TestNo:	EPA 8260B	Analysis Date:	4/8/2015	SeqNo:	1974552		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	20.340	1.0	20.00	0	102	67	132				
1,1,2,2-Tetrachloroethane	20.470	1.0	20.00	0	102	63	128				
1,1,2-Trichloroethane	20.750	1.0	20.00	0	104	75	125				
1,1-Dichloroethane	19.550	0.50	20.00	0	97.8	69	133				
1,1-Dichloroethene	20.030	1.0	20.00	0	100	68	130				
1,2,4-Trichlorobenzene	19.530	1.0	20.00	0	97.6	66	134				
1,2-Dichlorobenzene	19.540	1.0	20.00	0	97.7	71	122				
1,2-Dichloroethane	20.850	0.50	20.00	0	104	69	132				
1,2-Dichloropropane	20.430	1.0	20.00	0	102	75	125				
1,3-Dichlorobenzene	19.530	1.0	20.00	0	97.6	75	124				
1,4-Dichlorobenzene	19.700	1.0	20.00	0	98.5	74	123				
2-Butanone	265.540	10	200.0	0	133	49	136				
Benzene	20.430	1.0	20.00	0	102	81	122				
Bromodichloromethane	20.310	1.0	20.00	0	102	76	121				
Bromoform	22.130	1.0	20.00	0	111	69	128				
Bromomethane	12.100	1.0	20.00	0	60.5	53	141				
Carbon tetrachloride	21.440	0.50	20.00	0	107	66	138				
Chlorobenzene	19.810	1.0	20.00	0	99.0	81	122				
Chloroethane	19.050	1.0	20.00	0	95.2	58	133				
Chloroform	19.390	1.0	20.00	0	97.0	69	128				
Chloromethane	15.660	1.0	20.00	0	78.3	56	131				
cis-1,3-Dichloropropene	20.890	1.0	20.00	0	104	69	131				
Di-isopropyl ether	20.680	1.0	20.00	0	103	70	130				
Dibromochloromethane	21.130	1.0	20.00	0	106	66	133				
Ethylbenzene	20.150	1.0	20.00	0	101	73	127				
Hexachlorobutadiene	19.420	1.0	20.00	0	97.1	67	131				
m,p-Xylene	40.980	1.0	40.00	0	102	76	128				
Methylene chloride	21.620	2.0	20.00	0	108	63	137				
MTBE	20.110	1.0	20.00	0	101	65	123				
Naphthalene	21.150	1.0	20.00	0	106	54	138				

**Qualifiers:**

- |  |  |  |
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## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_SFPP**

Sample ID	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
<b>P150408LCS</b>	<b>LCS</b>	<b>8260_WP_SF</b>	<b>ug/L</b>		<b>99832</b>						
Client ID:	Batch ID:	TestNo:	Analysis Date:		SeqNo:						
<b>LCSW</b>	<b>P15VW062</b>	<b>EPA 8260B</b>	<b>4/8/2015</b>		<b>1974552</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	20.310	1.0	20.00	0	102	80	121				
Tert-amyl methyl ether	21.300	1.0	20.00	0	106	70	130				
Tert-Butanol	116.710	5.0	100.0	0	117	70	130				
Tetrachloroethene	20.360	1.0	20.00	0	102	66	128				
Toluene	20.600	2.0	20.00	0	103	77	122				
trans-1,2-Dichloroethene	19.660	1.0	20.00	0	98.3	63	137				
trans-1,3-Dichloropropene	20.790	1.0	20.00	0	104	59	135				
Trichloroethene	19.960	1.0	20.00	0	99.8	70	127				
Vinyl chloride	21.310	0.50	20.00	0	107	50	134				
Xylenes, Total	61.290	2.0	60.00	0	102	75	125				
Surr: 1,2-Dichloroethane-d4	25.090		25.00		100	72	119				
Surr: 4-Bromofluorobenzene	26.120		25.00		104	76	119				
Surr: Dibromofluoromethane	23.300		25.00		93.2	85	115				
Surr: Toluene-d8	24.890		25.00		99.6	81	120				

Sample ID	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
<b>N015230-001BMS</b>	<b>MS</b>	<b>8260_WP_SF</b>	<b>ug/L</b>		<b>99832</b>						
Client ID:	Batch ID:	TestNo:	Analysis Date:		SeqNo:						
<b>ZZZZZ</b>	<b>P15VW062</b>	<b>EPA 8260B</b>	<b>4/8/2015</b>		<b>1974553</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	19.770	1.0	20.00	0	98.8	67	132				
1,1,2,2-Tetrachloroethane	20.090	1.0	20.00	0	100	63	128				
1,1,2-Trichloroethane	20.210	1.0	20.00	0	101	75	125				
1,1-Dichloroethane	19.460	0.50	20.00	0	97.3	69	133				
1,1-Dichloroethene	19.870	1.0	20.00	0	99.4	68	130				
1,2,4-Trichlorobenzene	19.200	1.0	20.00	0	96.0	66	134				
1,2-Dichlorobenzene	19.720	1.0	20.00	0	98.6	71	122				
1,2-Dichloroethane	20.720	0.50	20.00	0	104	69	132				
1,2-Dichloropropane	20.550	1.0	20.00	0	103	75	125				
1,3-Dichlorobenzene	19.230	1.0	20.00	0	96.2	75	124				
1,4-Dichlorobenzene	19.340	1.0	20.00	0	96.7	74	123				

**Qualifiers:**

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



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**CLIENT:** CH2MHill  
**Work Order:** N015230  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_SFPP**

Sample ID	N015230-001BMS	SampType: MS	TestCode: 8260_WP_SF	Units: ug/L	Prep Date:	RunNo: 99832					
Client ID:	ZZZZZZ	Batch ID:	P15VW062	TestNo:	EPA 8260B	Analysis Date:	4/8/2015	SeqNo:	1974553		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Butanone	160.430	10	200.0	0	80.2	49	136				
Benzene	20.080	1.0	20.00	0	100	81	122				
Bromodichloromethane	19.490	1.0	20.00	0	97.5	76	121				
Bromoform	21.880	1.0	20.00	0	109	69	128				
Bromomethane	12.430	1.0	20.00	0.2500	60.9	53	141				
Carbon tetrachloride	19.320	0.50	20.00	0	96.6	66	138				
Chlorobenzene	19.750	1.0	20.00	0	98.8	81	122				
Chloroethane	20.210	1.0	20.00	0	101	58	133				
Chloroform	19.000	1.0	20.00	0	95.0	69	128				
Chloromethane	15.100	1.0	20.00	0.3000	74.0	56	131				
cis-1,3-Dichloropropene	21.490	1.0	20.00	0	107	69	131				
Di-isopropyl ether	20.790	1.0	20.00	0	104	70	130				
Dibromochloromethane	20.570	1.0	20.00	0	103	66	133				
Ethylbenzene	19.740	1.0	20.00	0	98.7	73	127				
Hexachlorobutadiene	17.810	1.0	20.00	0	89.0	67	131				
m,p-Xylene	40.460	1.0	40.00	0	101	76	128				
Methylene chloride	19.400	2.0	20.00	0	97.0	63	137				
MTBE	20.230	1.0	20.00	0	101	65	123				
Naphthalene	20.680	1.0	20.00	0	103	54	138				
o-Xylene	20.640	1.0	20.00	0	103	80	121				
Tert-amyl methyl ether	20.760	1.0	20.00	0	104	70	130				
Tert-Butanol	116.240	5.0	100.0	0	116	70	130				
Tetrachloroethene	20.170	1.0	20.00	0	101	66	128				
Toluene	20.130	2.0	20.00	0	101	77	122				
trans-1,2-Dichloroethene	19.520	1.0	20.00	0	97.6	63	137				
trans-1,3-Dichloropropene	21.070	1.0	20.00	0	105	59	135				
Trichloroethene	19.710	1.0	20.00	0	98.6	70	127				
Vinyl chloride	20.720	0.50	20.00	0	104	50	134				
Xylenes, Total	61.100	2.0	60.00	0	102	75	125				
Surr: 1,2-Dichloroethane-d4	25.370		25.00		101	72	119				

**Qualifiers:**

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



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**CLIENT:** CH2MHill  
**Work Order:** N015230  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_SFPP**

Sample ID: <b>N015230-001BMS</b>	SampType: <b>MS</b>	TestCode: <b>8260_WP_SF</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>99832</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>P15VW062</b>	TestNo: <b>EPA 8260B</b>	Analysis Date: <b>4/8/2015</b>	SeqNo: <b>1974553</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	25.840		25.00		103	76	119				
Surr: Dibromofluoromethane	23.940		25.00		95.8	85	115				
Surr: Toluene-d8	25.170		25.00		101	81	120				

Sample ID: <b>N015230-001BMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260_WP_SF</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>99832</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>P15VW062</b>	TestNo: <b>EPA 8260B</b>	Analysis Date: <b>4/8/2015</b>	SeqNo: <b>1974554</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	20.080	1.0	20.00	0	100	67	132	19.77	1.56	20	
1,1,2,2-Tetrachloroethane	19.880	1.0	20.00	0	99.4	63	128	20.09	1.05	20	
1,1,2-Trichloroethane	20.590	1.0	20.00	0	103	75	125	20.21	1.86	20	
1,1-Dichloroethane	20.130	0.50	20.00	0	101	69	133	19.46	3.38	20	
1,1-Dichloroethene	20.040	1.0	20.00	0	100	68	130	19.87	0.852	20	
1,2,4-Trichlorobenzene	19.340	1.0	20.00	0	96.7	66	134	19.20	0.727	20	
1,2-Dichlorobenzene	20.070	1.0	20.00	0	100	71	122	19.72	1.76	20	
1,2-Dichloroethane	21.330	0.50	20.00	0	107	69	132	20.72	2.90	20	
1,2-Dichloropropane	21.170	1.0	20.00	0	106	75	125	20.55	2.97	20	
1,3-Dichlorobenzene	19.430	1.0	20.00	0	97.2	75	124	19.23	1.03	20	
1,4-Dichlorobenzene	19.530	1.0	20.00	0	97.6	74	123	19.34	0.978	20	
2-Butanone	161.090	10	200.0	0	80.5	49	136	160.4	0.411	20	
Benzene	20.500	1.0	20.00	0	103	81	122	20.08	2.07	20	
Bromodichloromethane	20.250	1.0	20.00	0	101	76	121	19.49	3.82	20	
Bromoform	21.240	1.0	20.00	0	106	69	128	21.88	2.97	20	
Bromomethane	13.510	1.0	20.00	0.2500	66.3	53	141	12.43	8.33	20	
Carbon tetrachloride	19.570	0.50	20.00	0	97.9	66	138	19.32	1.29	20	
Chlorobenzene	20.000	1.0	20.00	0	100	81	122	19.75	1.26	20	
Chloroethane	20.240	1.0	20.00	0	101	58	133	20.21	0.148	20	
Chloroform	19.390	1.0	20.00	0	97.0	69	128	19.00	2.03	20	
Chloromethane	16.500	1.0	20.00	0.3000	81.0	56	131	15.10	8.86	20	
cis-1,3-Dichloropropene	21.550	1.0	20.00	0	108	69	131	21.49	0.279	20	

**Qualifiers:**

- |  |  |  |
|--|--|--|
| B Analyte detected in the associated Method Blank              | E Value above quantitation range       | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits                   | ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits               |
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**CLIENT:** CH2MHill  
**Work Order:** N015230  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_SFPP**

Sample ID	N015230-001BMSD	SampType: MSD	TestCode: 8260_WP_SF	Units: ug/L	Prep Date:	RunNo: 99832					
Client ID:	ZZZZZZ	Batch ID: P15VW062	TestNo: EPA 8260B		Analysis Date: 4/8/2015	SeqNo: 1974554					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Di-isopropyl ether	21.370	1.0	20.00	0	107	70	130	20.79	2.75	20	
Dibromochloromethane	20.170	1.0	20.00	0	101	66	133	20.57	1.96	20	
Ethylbenzene	20.010	1.0	20.00	0	100	73	127	19.74	1.36	20	
Hexachlorobutadiene	18.080	1.0	20.00	0	90.4	67	131	17.81	1.50	20	
m,p-Xylene	40.510	1.0	40.00	0	101	76	128	40.46	0.124	20	
Methylene chloride	20.520	2.0	20.00	0	103	63	137	19.40	5.61	20	
MTBE	20.600	1.0	20.00	0	103	65	123	20.23	1.81	20	
Naphthalene	20.360	1.0	20.00	0	102	54	138	20.68	1.56	20	
o-Xylene	20.170	1.0	20.00	0	101	80	121	20.64	2.30	20	
Tert-amyl methyl ether	21.100	1.0	20.00	0	106	70	130	20.76	1.62	20	
Tert-Butanol	121.210	5.0	100.0	0	121	70	130	116.2	4.19	20	
Tetrachloroethene	19.720	1.0	20.00	0	98.6	66	128	20.17	2.26	20	
Toluene	20.640	2.0	20.00	0	103	77	122	20.13	2.50	20	
trans-1,2-Dichloroethene	19.950	1.0	20.00	0	99.8	63	137	19.52	2.18	20	
trans-1,3-Dichloropropene	21.400	1.0	20.00	0	107	59	135	21.07	1.55	20	
Trichloroethene	19.780	1.0	20.00	0	98.9	70	127	19.71	0.355	20	
Vinyl chloride	21.570	0.50	20.00	0	108	50	134	20.72	4.02	20	
Xylenes, Total	60.680	2.0	60.00	0	101	75	125	61.10	0.690	20	
Surr: 1,2-Dichloroethane-d4	25.700		25.00		103	72	119		0		
Surr: 4-Bromofluorobenzene	26.870		25.00		107	76	119		0		
Surr: Dibromofluoromethane	24.220		25.00		96.9	85	115		0		
Surr: Toluene-d8	25.090		25.00		100	81	120		0		

Sample ID	P150408MB3	SampType: MBLK	TestCode: 8260_WP_SF	Units: ug/L	Prep Date:	RunNo: 99832					
Client ID:	PBW	Batch ID: P15VW062	TestNo: EPA 8260B		Analysis Date: 4/8/2015	SeqNo: 1974557					
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									

**Qualifiers:**

- |  |  |  |
|--|--|--|
| B Analyte detected in the associated Method Blank              | E Value above quantitation range       | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits                   | ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits               |
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**CLIENT:** CH2MHill  
**Work Order:** N015230  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_SFPP**

Sample ID: <b>P150408MB3</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_SF</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>99832</b>						
Client ID: <b>PBW</b>	Batch ID: <b>P15VW062</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>4/8/2015</b>	SeqNo: <b>1974557</b>						
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
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									
1,2-Dichloropropane	ND	1.0									
1,3-Dichlorobenzene	ND	1.0									
1,4-Dichlorobenzene	ND	1.0									
2-Butanone	ND	10									
Benzene	ND	1.0									
Bromodichloromethane	ND	1.0									
Bromoform	ND	1.0									
Bromomethane	0.290	1.0									J
Carbon tetrachloride	ND	0.50									
Chlorobenzene	ND	1.0									
Chloroethane	ND	1.0									
Chloroform	ND	1.0									
Chloromethane	0.280	1.0									J
cis-1,3-Dichloropropene	ND	1.0									
Di-isopropyl ether	ND	1.0									
Dibromochloromethane	ND	1.0									
Ethylbenzene	ND	1.0									
Hexachlorobutadiene	ND	1.0									
m,p-Xylene	ND	1.0									
Methylene chloride	ND	2.0									
MTBE	ND	1.0									
Naphthalene	ND	1.0									
o-Xylene	ND	1.0									
Tert-amyl methyl ether	ND	1.0									
Tert-Butanol	ND	5.0									

**Qualifiers:**

- |  |  |  |
|--|--|--|
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**CLIENT:** CH2MHill  
**Work Order:** N015230  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_SFPP**

Sample ID: <b>P150408MB3</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_SF</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>99832</b>						
Client ID: <b>PBW</b>	Batch ID: <b>P15VW062</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>4/8/2015</b>	SeqNo: <b>1974557</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	ND	1.0									
Toluene	ND	2.0									
trans-1,2-Dichloroethene	ND	1.0									
trans-1,3-Dichloropropene	ND	1.0									
Trichloroethene	ND	1.0									
Vinyl chloride	ND	0.50									
Xylenes, Total	ND	2.0									
Surr: 1,2-Dichloroethane-d4	24.100		25.00		96.4	72	119				
Surr: 4-Bromofluorobenzene	25.280		25.00		101	76	119				
Surr: Dibromofluoromethane	24.570		25.00		98.3	85	115				
Surr: Toluene-d8	24.550		25.00		98.2	81	120				

**Qualifiers:**

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|--|--|--|
| B Analyte detected in the associated Method Blank              | E Value above quantitation range       | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits                   | ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits               |
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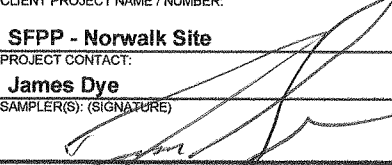
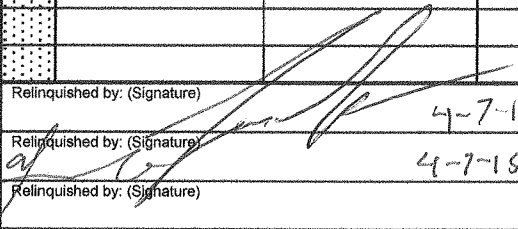
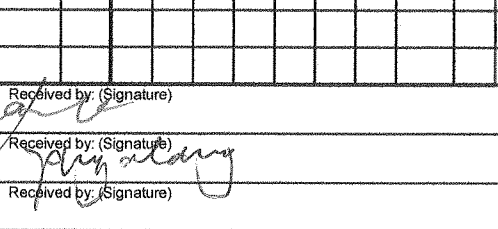
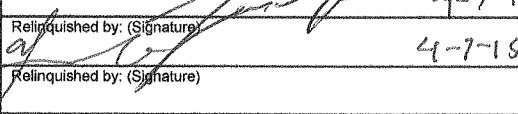
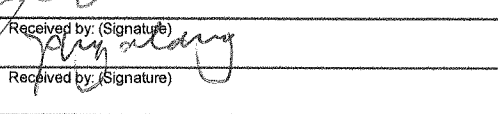
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4/7/15

1 OF 1

LABORATORY CLIENT: <b>Kinder Morgan Energy Partners, Attn: Steve Defibaugh</b>				CLIENT PROJECT NAME / NUMBER: <b>SFPP - Norwalk Site</b>				P.O. NO.:																
ADDRESS: <b>1100 Town &amp; Country Road</b>				PROJECT CONTACT: <b>James Dye</b>				QUOTE NO.:																
CITY: <b>Orange, CA 92868</b>				SAMPLER(S): (SIGNATURE) 				LAB USE ONLY: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																
TEL: <b>714-560-4802</b>	FAX: <b>714-560-4601</b>	E-MAIL: <b>james.dye@kindermorgan.com</b>																						
TURNAROUND TIME <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input checked="" type="checkbox"/> 48HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS				<b>REQUESTED ANALYSIS</b>																				
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) <input type="checkbox"/> RWQCB REPORTING <input type="checkbox"/> ARCHIVE SAMPLES UNTIL ___/___/___				<table border="1"> <tr> <td>Ammonia Nitrogen (as N) (SM-4500 NH3C)</td> <td>DIPE, TAME, and MEK (8260B)</td> <td>MEAs (SM 5540C)</td> <td>Turbidity (SM2130B)</td> <td>Cu, Pb, Ti, Zn, &amp; Priority Pollutants (200.8)</td> <td>Se (200.8); Hg (245.1)</td> <td>Cr VI (7199)</td> <td>BTEX, 1,1-DCA, 1,2-DCA, &amp; Priority Pollutants (8260B)</td> <td>MTBE and TBA, (8260B) 48HR TAT</td> <td>Oil &amp; Grease (1664)</td> <td>TPH-g, TPH-oil, and TPH-oil (8015B)</td> <td>Settleable Solids (SM2540F)</td> <td>Total Suspended Solids (SM2540D)</td> <td>Phenol (420.1)</td> <td></td> </tr> </table>						Ammonia Nitrogen (as N) (SM-4500 NH3C)	DIPE, TAME, and MEK (8260B)	MEAs (SM 5540C)	Turbidity (SM2130B)	Cu, Pb, Ti, Zn, & Priority Pollutants (200.8)	Se (200.8); Hg (245.1)	Cr VI (7199)	BTEX, 1,1-DCA, 1,2-DCA, & Priority Pollutants (8260B)	MTBE and TBA, (8260B) 48HR TAT	Oil & Grease (1664)	TPH-g, TPH-oil, and TPH-oil (8015B)	Settleable Solids (SM2540F)	Total Suspended Solids (SM2540D)	Phenol (420.1)	
Ammonia Nitrogen (as N) (SM-4500 NH3C)	DIPE, TAME, and MEK (8260B)	MEAs (SM 5540C)	Turbidity (SM2130B)							Cu, Pb, Ti, Zn, & Priority Pollutants (200.8)	Se (200.8); Hg (245.1)	Cr VI (7199)	BTEX, 1,1-DCA, 1,2-DCA, & Priority Pollutants (8260B)	MTBE and TBA, (8260B) 48HR TAT	Oil & Grease (1664)	TPH-g, TPH-oil, and TPH-oil (8015B)	Settleable Solids (SM2540F)	Total Suspended Solids (SM2540D)	Phenol (420.1)					
SPECIAL INSTRUCTIONS <b>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.</b>																								
LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING		MAT- RIX	NO. OF CONT.								Comments										
			DATE	TIME																				
	EFF- 04-07	Effluent	4-7-15	4:20	WW	18	X	X	X	X	X	X	X	X	X	X	X	N015230-1						
Relinquished by: (Signature) 				Received by: (Signature) 				Date: 4-7-15		Time: 3:35 PM														
Relinquished by: (Signature) 				Received by: (Signature) 				Date: 4/7/15		Time: 07:15														
Relinquished by: (Signature)				Received by: (Signature)				Date:		Time:														

Revised: 08/23/12

2.10C  
16#2

# ASSET Laboratories

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


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

Cooler Received/Opened On: 4/8/2015 Workorder: N015230  
 Rep sample Temp (Deg C): 2.1 IR Gun ID: 2  
 Temp Blank:  Yes  No  
 Carrier name: Golden State Overnight  
 Last 4 digits of Tracking No.: 1627 Packing Material Used: Bubble Wrap  
 Cooling process:  Ice  Ice Pack  Dry Ice  Other  None

## Sample Receipt Checklist

- |   |   |                             |   |
|---|---|-----------------------------|---|
| 1. Shipping container/cooler in good condition?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/>            |
| 2. Custody seals intact, signed, dated on shipping container/cooler?                    | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles?  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 5. Sampler's name present in COC?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 6. Chain of custody signed when relinquished and received?                              | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 7. Chain of custody agrees with sample labels?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 8. Samples in proper container/bottle?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 9. Sample containers intact?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 10. Sufficient sample volume for indicated test?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 11. All samples received within holding time?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 12. Temperature of rep sample or Temp Blank within acceptable limit?                    | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/>                     |
| 13. Water - VOA vials have zero headspace?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/>                     |
| 14. Water - pH acceptable upon receipt?<br>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?<br>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: HG  4/8/2015

Reviewed By:  04/09/15







# ASSET Laboratories

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

www.atl-labs.com

TEL: 7023072659

FAX: 7023072691

# CHAIN-OF-CUSTODY RECORD

**QC Level: RTNE**

**Subcontractor:**

AETL  
2834 North Naomi Street  
Burbank, CA 91504

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

Field Sampler: James Dye

**08-Apr-15**

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests		
				EPA 420.1	SM 5540 C	SM4500-NH3C
N015230-001A / EFF-04-07	Wastewater	4/7/2015 2:20:00 PM	16OZP			1
N015230-001C / EFF-04-07	Wastewater	4/7/2015 2:20:00 PM	32OZP		1	
N015230-001I / EFF-04-07	Wastewater	4/7/2015 2:20:00 PM	32OZA	1		

General Comments: Please email sample receipt acknowledgement to the PM.  
 Please use PO#:N15230A For questions, call Marlon at (702)-307-2659. Please e-mail results to reports.lv@assetlaboratories.com by:Normal TAT  
 Please analyze for Ammonia Nitrogen, MBAS and Phenol.

<b>Relinquished by:</b> <u>John Horiza</u>	<b>Date/Time</b> 4/8/2015 17:00	<b>Received by:</b> _____	<b>Date/Time</b> _____
<b>Relinquished by:</b> _____	_____	<b>Received by:</b> _____	_____

# ASSET Laboratories

## WORK ORDER Summary

08-Apr-15

WorkOrder: N015230

Client ID: CH2HI03

Project: SFPP - Norwalk Site

QC Level: RTNE

Date Received: 4/8/2015

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

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N015230-001A	EFF-04-07	4/7/2015 2:20:00 PM	4/14/2015	Wastewater	SM4500-NH3C	AMMONIA-N	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N015230-001B			4/10/2015		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N015230-001C			4/14/2015		SM 5540 C	SURFACTANTS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N015230-001D			4/14/2015		SM2540D	TOTAL NON-FILTERABLE RESIDUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			4/14/2015			Total Suspended Solids Prep	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			4/14/2015		SM 2130B	TURBIDITY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N015230-001E			4/10/2015			AQPREP TOTAL METALS: ICP, FLAA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			4/10/2015		EPA 200.8	TOTAL METALS BY COLLISION/REACTION CELL ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			4/10/2015		EPA 200.8	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			4/10/2015		EPA 245.1	MERCURY BY COLD VAPOR TECHNIQUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			4/10/2015			MERCURY PREP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N015230-001F			4/14/2015		EPA 7199	Hexavalent Chromium by IC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N015230-001G			4/14/2015			Oil and Grease Sample Prep	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			4/14/2015		EPA 1664 _HEM	Hexane Extractable Material (HEM)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N015230-001H			4/14/2015		SM2540F	SETTLEABLE MATTER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			4/14/2015			Setteable Matter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N015230-001I			4/14/2015		EPA 420.1	PHENOLICS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N015230-001J			4/14/2015		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N015230-001K			4/14/2015		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			4/14/2015		EPA 8015B	TPH EXTRACTABLE BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW

# ASSET Laboratories

## WORK ORDER Summary

08-Apr-15

**WorkOrder:** N015230

**Client ID:** CH2HI03

**Project:** SFPP - Norwalk Site

**QC Level:** RTNE

**Date Received:** 4/8/2015

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

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N015230-001K	EFF-04-07	4/7/2015 2:20:00 PM	4/14/2015	Wastewater	EPA 8015B	Total TPH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N015230-002A	FOLDER		4/10/2015		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



800-322-5555 www.gso.com

**Ship From**

ASSET LABORATORIES  
MOLKY BRAR  
11060 ARTESIA BLVD., STE. C  
CERRITOS, CA 90703

Tracking #: 527501627

**CPS**



**Ship To**

ATL INC  
MARLON CARTIN  
3151 W. POST RD.,  
LAS VEGAS, NV 89118

**LVS**  
**LAS VEGAS**

**A**

**COD:** \$0.00

**Weight:** 0 lb(s)

**Reference:**

**N89103A**

**Delivery Instructions:**

HOLD FOR PICK UP

**Signature Type:** REQUIRED



36221755

Print Date: 4/7/2015 4:30 PM

**LABEL INSTRUCTIONS:**

**Do not copy or reprint this label for additional shipments - each package must have a unique barcode.**

Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer. Securely attach this label to your package, do not cover the barcode.



## American Environmental Testing Laboratory Inc.

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

### Ordered By

ASSET Laboratories  
3151-3153 W Post Road  
Las Vegas, NV 89118-

Number of Pages 4  
Date Received 04/08/2015  
Date Reported 04/10/2015

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

Job Number	Order Date	Client
76552	04/08/2015	ASSET

Project ID: N015230  
Project Name: PO# N15230A

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

Checked By: \_\_\_\_\_

Approved By: \_\_\_\_\_

Cyrus Razmara, Ph.D.  
Laboratory Director



**CHAIN OF CUSTODY RECORD**

Contact us:  
 Nevada: 3151 W. Post Road, Las Vegas, NV 89118  
 P: 702.307.2659 F: 702.307.2691  
 California: 11060 Artesia Blvd., Ste C, Cerritos, CA 90703  
 P: 562.219.7435 F: 562.219.7436  
 www.assetlaboratories.com

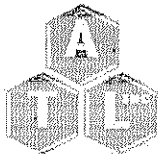
76552

Page 1 of 1

Client: <b>Asset Laboratories</b>		Report to:		Bill to:		EDD Requirement		QA/QC		Sample Receipt Condition	
Address:		Company:		Address:		Excel EDD <input type="checkbox"/>		RTNE <input type="checkbox"/>		Y N	
Address:		Email:				Geotracker <input type="checkbox"/>		RWQCB <input type="checkbox"/>		1. Chilled <input type="checkbox"/>	
Address:		Address:		Email to:		Labspec <input type="checkbox"/>		CalTrans <input type="checkbox"/>		2. Headspace <input type="checkbox"/>	
Phone:		Fax:		Address:		Others <input type="checkbox"/>		Level III <input type="checkbox"/>		3. Container Intact <input type="checkbox"/>	
Submitted By: <b>Molky Brar</b>		Address:		Email to:		Specify:		LEVEL IV <input type="checkbox"/>		4. Seal Present <input type="checkbox"/>	
Title:		Phone:		Fax:		Global ID:		Regulatory <input type="checkbox"/>		5. IR number	
Signature:		Date:		Sampled By:		Matrix		Analyses Requested		6. Method of Cooling	
I hereby authorize ASSET Labs to perform the tests indicated below:		Signature:		Date:		Ground <input type="checkbox"/>		Sediment <input type="checkbox"/>		Sample Temp:	
Project Name: <b>SFPP - Norwalk site</b>		Signature:		Date:		Potable <input type="checkbox"/>		Soil <input type="checkbox"/>		Turn Around Time	
Project Number:		Signature:		Date:		NPDES <input type="checkbox"/>		Other Solid <input type="checkbox"/>		No. of container	
		Signature:		Date:		Surface <input type="checkbox"/>				Container Type	
		Signature:		Date:						PRESERVATION	
		Signature:		Date:						Tracking No.	
		Signature:		Date:						Remarks	
Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others				
1	76552.01	EFF-04-07	4/7/15	14:20	ww			Ammonia Nitrogen MBAAs Phenol (4201)		F3	1G + 2P
2											
3											
4											
5											
6											
7											
8											
9											
10											
Relinquished by (Signature and Printed Name): <b>Murphy A.</b>		Date / Time: <b>4-8-15 12:20pm</b>		Received by (Signature and Printed Name): <b>[Signature]</b>		Date / Time: <b>4/8/15 1220</b>		Turn Around Time (TAT)		Special Instruction:	
Relinquished by (Signature and Printed Name): <b>[Signature]</b>		Date / Time: <b>4/8/15 1220</b>		Received by (Signature and Printed Name): <b>[Signature]</b>		Date / Time: <b>04/08/15 1345</b>		<input type="checkbox"/> A < 24 Hrs or Same Day TAT <input type="checkbox"/> B = Next Workday <input type="checkbox"/> C = 2 Workdays <input type="checkbox"/> D = 3 Workdays <input type="checkbox"/> E = Routine 5-7 Workdays TAT Starts at 8 AM the following day if samples received after 3:00 PM.			
Relinquished by (Signature and Printed Name): <b>[Signature]</b>		Date / Time: <b>4/8/15 1220</b>		Received by (Signature and Printed Name): <b>[Signature]</b>		Date / Time: <b>04/08/15 1345</b>		Preservatives:		Container Type:	
								H = HCl    N = HNO <sub>3</sub> S = H <sub>2</sub> SO <sub>4</sub> C = 4°C Z = Zn(Ac) <sub>2</sub> O = NaOH    T = Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub>		T = Tube    V = VOA    P = Pint J = Jar    B = Teclar    G = Glass M = Metal    P = Plastic    C = Can	

White = Laboratory Copy

Yellow = Customer's Copy



**ASSET Laboratories**

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

www.asset-labs.com

TEL: 7023072659

FAX: 7023072691

# CHAIN-OF-CUSTODY RECORD

QC Level: RTNE

**Subcontractor:**

AETL  
2834 North Naomi Street  
Burbank, CA 91504

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

Field Sampler: James Dye

08-Apr-15

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests		
				EPA 420.1	SM 5540 C	SM4500-NH3C
N015230-001A / EFF-04-07	Wastewater	4/7/2015 2:20:00 PM	16OZP			1
N015230-001C / EFF-04-07	Wastewater	4/7/2015 2:20:00 PM	32OZP		1	
N015230-001I / EFF-04-07	Wastewater	4/7/2015 2:20:00 PM	32OZA	1		

General Comments: Please email sample receipt acknowledgement to the PM.  
 Please use PO#:N15230A For questions, call Marlon at (702)-307-2659. Please e-mail results to reports.lv@assetlaboratories.com by:Normal TAT  
 Please analyze for Ammonia Nitrogen, MBAS and Phenol.

Relinquished by: <u><i>John Dorigo</i></u>	Date/Time: <u>4/8/2015 17:00</u>	Received by: _____	Date/Time: _____
Relinquished by: _____	Date/Time: _____	Received by: _____	Date/Time: _____



# American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181

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

Page: 1 A

### Ordered By

ASSET Laboratories  
3151-3153 W Post Road  
Las Vegas, NV 89118-

Project ID: N015230  
Date Received 04/08/2015  
Date Reported 04/10/2015

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

Job Number	Order Date	Client
76552	04/08/2015	ASSET

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 1 samples with the following specification on 04/08/2015.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
76552.01	N015230-001 / EFF-04-07	04/07/2015	Aqueous	3
Method ^ Submethod	Req Date	Priority	TAT	Units
420.1	04/15/2015	2	Normal	mg/L
SM-4500-NH3-C	04/15/2015	2	Normal	mg/L
SM-5540C	04/15/2015	2	Normal	mg/L

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

Checked By: \_\_\_\_\_

Approved By: \_\_\_\_\_

Cyrus Razmara, Ph.D.  
Laboratory Director





# American Environmental Testing Laboratory Inc.

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

## ANALYTICAL RESULTS

### Ordered By

ASSET Laboratories  
 3151-3153 W Post Road  
 Las Vegas, NV 89118-

Telephone: (702)307-2659

Attn: Marlon Cartin

Page: **2**

Project ID: N015230

Project Name: PO# N15230A

AETL Job Number	Submitted	Client
76552	04/08/2015	ASSET

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

QC Batch No: 040915-1

Our Lab I.D.		Method Blank	76552.01			
Client Sample I.D.			N015230-001 / EFF-04-07			
Date Sampled			04/07/2015			
Date Prepared		04/09/2015	04/09/2015			
Preparation Method		420.1	420.1			
Date Analyzed		04/09/2015	04/09/2015			
Matrix		Aqueous	Aqueous			
Units		mg/L	mg/L			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Phenolic compounds as phenol	0.15	0.30	ND	ND		

## QUALITY CONTROL REPORT

QC Batch No: 040915-1; Dup or Spiked Sample: 76552.01; LCS: Clean Water; QC Prepared: 04/09/2015; QC Analyzed: 04/09/2015;  
 Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Phenol	0.00	0.500	0.424	84.8	0.500	0.421	84.2	<1	80-120	<15

QC Batch No: 040915-1; Dup or Spiked Sample: 76552.01; LCS: Clean Water; QC Prepared: 04/09/2015; QC Analyzed: 04/09/2015;  
 Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Phenol	0.500	0.418	83.6	0.500	0.432	86.4	3.3	80-120	<20



# American Environmental Testing Laboratory Inc.

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

## ANALYTICAL RESULTS

### Ordered By

ASSET Laboratories  
 3151-3153 W Post Road  
 Las Vegas, NV 89118-

Telephone: (702)307-2659

Attn: Marlon Cartin

Page: 3

Project ID: N015230

Project Name: PO# N15230A

AETL Job Number	Submitted	Client
76552	04/08/2015	ASSET

Method: SM-4500-NH3-C, Ammonia by Nesslerization Method

QC Batch No: 040915-1

Our Lab I.D.		Method Blank	76552.01			
Client Sample I.D.			N015230-001 / EFF-04-07			
Date Sampled			04/07/2015			
Date Prepared		04/09/2015	04/09/2015			
Preparation Method		SM4500NH3C	SM4500NH3C			
Date Analyzed		04/09/2015	04/09/2015			
Matrix		Aqueous	Aqueous			
Units		mg/L	mg/L			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Ammonia as Nitrogen	0.05	0.10	ND	0.099J		

## QUALITY CONTROL REPORT

QC Batch No: 040915-1; Dup or Spiked Sample: 76551.01; LCS: Clean Water; QC Prepared: 04/09/2015; QC Analyzed: 04/09/2015;  
 Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Ammonia as Nitrogen	0.128	0.500	0.547	83.8	0.500	0.559	86.2	2.8	80-120	<15

QC Batch No: 040915-1; Dup or Spiked Sample: 76551.01; LCS: Clean Water; QC Prepared: 04/09/2015; QC Analyzed: 04/09/2015;  
 Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Ammonia as Nitrogen	0.500	0.476	95.2	0.500	0.480	96.0	<1	80-120	<15



# American Environmental Testing Laboratory Inc.

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## ANALYTICAL RESULTS

### Ordered By

ASSET Laboratories  
 3151-3153 W Post Road  
 Las Vegas, NV 89118-

Telephone: (702)307-2659

Attn: Marlon Cartin

Page: 4

Project ID: N015230

Project Name: PO# N15230A

AETL Job Number	Submitted	Client
76552	04/08/2015	ASSET

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

QC Batch No: 040815-1

Our Lab I.D.		Method Blank	76552.01			
Client Sample I.D.			N015230-001 / EFF-04-07			
Date Sampled			04/07/2015			
Date Prepared		04/08/2015	04/08/2015			
Preparation Method		SM5540C	SM5540C			
Date Analyzed		04/08/2015	04/08/2015			
Matrix		Aqueous	Aqueous			
Units		mg/L	mg/L			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Surfactants (MBAS)	0.05	0.05	ND	0.107		

## QUALITY CONTROL REPORT

QC Batch No: 040815-1; Dup or Spiked Sample: 76552.01; LCS: Clean Water; QC Prepared: 04/08/2015; QC Analyzed: 04/08/2015;  
 Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Surfactants (MBAS)	0.107	0.500	0.586	95.8	0.500	0.583	95.2	<1	80-120	<15

QC Batch No: 040815-1; Dup or Spiked Sample: 76552.01; LCS: Clean Water; QC Prepared: 04/08/2015; QC Analyzed: 04/08/2015;  
 Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Surfactants (MBAS)	0.500	0.487	97.4	0.500	0.493	98.6	1.2	80-120	<15



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### Data Qualifiers and Descriptors

#### *Data Qualifier:*

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

#### *Definition:*

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



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### Data Qualifiers and Descriptors

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

---

May 13, 2015

Dan Jablonski  
CH2MHill  
1000 Wilshire Blvd.  
Los Angeles, CA 90017

CA-ELAP No.: 2676  
NV Cert. No.: NV-00922

TEL:

FAX:

Workorder No.: N015565

RE: SFPP - Norwalk Site

Attention: Dan Jablonski

Enclosed are the results for sample(s) received on May 06, 2015 by ASSET 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 (702) 307-2659 if I can be of further assistance to your company.

Sincerely,



Glen Gesmundo  
QA Manager

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.



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**CLIENT:** CH2MHill  
**Project:** SFPP - Norwalk Site  
**Lab Order:** N015565

**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 Test:**

Phenol was subcontracted to AETL - Burbank, CA .

**Analytical Comments for EPA 200.8:**

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for Copper on QC samples N015565-001H-MS and N015565-001H-MSD possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.



**CLIENT:** CH2MHill  
**Project:** SFPP - Norwalk Site  
**Lab Order:** N015565  
**Contract No:**

**Work Order Sample Summary**

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N015565-001A	EFF-05-05	Wastewater	5/5/2015 12:20:00 PM	5/6/2015	5/13/2015
N015565-001B	EFF-05-05	Wastewater	5/5/2015 12:20:00 PM	5/6/2015	5/13/2015
N015565-001C	EFF-05-05	Wastewater	5/5/2015 12:20:00 PM	5/6/2015	5/13/2015
N015565-001D	EFF-05-05	Wastewater	5/5/2015 12:20:00 PM	5/6/2015	5/13/2015
N015565-001E	EFF-05-05	Wastewater	5/5/2015 12:20:00 PM	5/6/2015	5/13/2015
N015565-001F	EFF-05-05	Wastewater	5/5/2015 12:20:00 PM	5/6/2015	5/13/2015
N015565-001G	EFF-05-05	Wastewater	5/5/2015 12:20:00 PM	5/6/2015	5/13/2015
N015565-001H	EFF-05-05	Wastewater	5/5/2015 12:20:00 PM	5/6/2015	5/13/2015





**ASSET Laboratories**

**ANALYTICAL RESULTS**

Print Date: 13-May-15

**CLIENT:** CH2MHiil  
**Lab Order:** N015565  
**Project:** SFPP - Norwalk Site  
**Lab ID:** N015565-001

**Client Sample ID:** EFF-05-05  
**Collection Date:** 5/5/2015 12:20:00 PM  
**Matrix:** WASTEWATER

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

**SM2540D**

RunID: <b>WETCHEM_150506E</b>	QC Batch: <b>50356</b>				PrepDate: <b>5/6/2015</b>		Analyst: <b>LR</b>
Suspended Solids (Residue, Non-Filterable)	ND	10	10		mg/L	1	5/6/2015 09:05 AM

**SETTLABLE MATTER**

**SM2540F**

RunID: <b>WETCHEM_150506J</b>	QC Batch: <b>50366</b>				PrepDate: <b>5/6/2015</b>		Analyst: <b>QBM</b>
Settleable Matter	ND	0.088	0.088		ml/L	1	5/6/2015

**HEXANE EXTRACTABLE MATERIAL (HEM)**

**EPA 1664 \_HEM**

RunID: <b>WETCHEM_150508A</b>	QC Batch: <b>50391</b>				PrepDate: <b>5/8/2015</b>		Analyst: <b>LR</b>
Oil & Grease	0.74	0.74	4.2	J	mg/L	1	5/8/2015 08:10 AM

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: <b>MS5_150507B</b>	QC Batch: <b>P15VW075</b>				PrepDate:		Analyst: <b>QBM</b>
1,1-Dichloroethane	ND	0.022	0.50		ug/L	1	5/7/2015 08:05 PM
1,2-Dichloroethane	ND	0.064	0.50		ug/L	1	5/7/2015 08:05 PM
Benzene	ND	0.036	1.0		ug/L	1	5/7/2015 08:05 PM
Ethylbenzene	ND	0.036	1.0		ug/L	1	5/7/2015 08:05 PM
m,p-Xylene	ND	0.024	1.0		ug/L	1	5/7/2015 08:05 PM
MTBE	ND	0.062	1.0		ug/L	1	5/7/2015 08:05 PM
o-Xylene	ND	0.042	1.0		ug/L	1	5/7/2015 08:05 PM
Tert-Butanol	ND	0.30	5.0		ug/L	1	5/7/2015 08:05 PM
Toluene	ND	0.042	2.0		ug/L	1	5/7/2015 08:05 PM
Xylenes, Total	ND	1.5	2.0		ug/L	1	5/7/2015 08:05 PM
Surr: 1,2-Dichloroethane-d4	100	0	72-119		%REC	1	5/7/2015 08:05 PM
Surr: 4-Bromofluorobenzene	99.9	0	76-119		%REC	1	5/7/2015 08:05 PM
Surr: Dibromofluoromethane	101	0	85-115		%REC	1	5/7/2015 08:05 PM
Surr: Toluene-d8	101	0	81-120		%REC	1	5/7/2015 08:05 PM

**TPH EXTRACTABLE BY GC/FID**

**EPA 3510C**

**EPA 8015B**

RunID: <b>GC3_150506B</b>	QC Batch: <b>50351</b>				PrepDate: <b>5/6/2015</b>		Analyst: <b>MDM</b>
TPH-Diesel (C13-C22)	ND	15	25		ug/L	1	5/6/2015 11:06 PM
TPH-Oil (C23-C36)	ND	14	25		ug/L	1	5/6/2015 11:06 PM
Surr: Octacosane	91.9	0	26-152		%REC	1	5/6/2015 11:06 PM

<b>Qualifiers:</b>	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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**ASSET Laboratories**

**ANALYTICAL RESULTS**

Print Date: 13-May-15

**CLIENT:** CH2MHill  
**Lab Order:** N015565  
**Project:** SFPP - Norwalk Site  
**Lab ID:** N015565-001

**Client Sample ID:** EFF-05-05  
**Collection Date:** 5/5/2015 12:20:00 PM  
**Matrix:** WASTEWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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**TPH EXTRACTABLE BY GC/FID**

**EPA 3510C**

**EPA 8015B**

RunID: <b>GC3_150506B</b>	QC Batch: <b>50351</b>				PrepDate: <b>5/6/2015</b>		Analyst: <b>MDM</b>
Surr: p-Terphenyl	89.6	0	57-132		%REC	1	5/6/2015 11:06 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: <b>GC4_150512A</b>	QC Batch: <b>E15VW032</b>				PrepDate:		Analyst: <b>QBM</b>
TPH-Gasoline (C4-C12)	ND	16	50		ug/L	1	5/12/2015 12:44 PM
Surr: Chlorobenzene - d5	112	0	74-138		%REC	1	5/12/2015 12:44 PM

**HEXAVALENT CHROMIUM BY IC**

**EPA 7199**

RunID: <b>IC7_150506A</b>	QC Batch: <b>R100271</b>				PrepDate:		Analyst: <b>RB</b>
Hexavalent Chromium	0.13	0.015	0.20	J	µg/L	1	5/6/2015 12:21 PM

**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 245.1**

RunID: <b>AA1_150506A</b>	QC Batch: <b>50355</b>				PrepDate: <b>5/6/2015</b>		Analyst: <b>CEI</b>
Mercury	0.032	0.018	0.050	J	µg/L	1	5/6/2015 04:01 PM

**TOTAL METALS BY COLLISION/REACTION CELL ICPMS**

**EPA 200.8**

RunID: <b>ICP7_150506A</b>	QC Batch: <b>50357</b>				PrepDate: <b>5/6/2015</b>		Analyst: <b>CEI</b>
Selenium	ND	0.070	0.50		µg/L	1	5/6/2015 03:10 PM

**TOTAL METALS BY ICPMS**

**EPA 200.8**

RunID: <b>ICP7_150506A</b>	QC Batch: <b>50357</b>				PrepDate: <b>5/6/2015</b>		Analyst: <b>CEI</b>
Copper	ND	0.26	0.50		µg/L	1	5/6/2015 03:10 PM
Lead	ND	0.053	0.50		µg/L	1	5/7/2015 04:49 PM
Thallium	ND	0.034	0.50		µg/L	1	5/7/2015 04:49 PM
Zinc	2.8	0.039	10	J	µg/L	1	5/6/2015 03:10 PM

**TOTAL TPH**

**EPA 8015B**

RunID: <b>GC3_150506B</b>	QC Batch: <b>R100230</b>				PrepDate:		Analyst: <b>MDM</b>
Total TPH	ND	22	50		ug/L	1	5/6/2015

<b>Qualifiers:</b>	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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**CLIENT:** CH2MHill  
**Work Order:** N015565  
**Project:** SFPP - Norwalk Site

**ANALYTICAL QC SUMMARY REPORT**

**TestCode: 160.2\_2540D\_W**

Sample ID: <b>MB-50356</b>	SampType: <b>MBLK</b>	TestCode: <b>160.2_2540D</b>	Units: <b>mg/L</b>	Prep Date: <b>5/6/2015</b>	RunNo: <b>100218</b>						
Client ID: <b>PBW</b>	Batch ID: <b>50356</b>	TestNo: <b>SM2540D</b>	Analysis Date: <b>5/6/2015</b>	SeqNo: <b>1992893</b>							
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: <b>LCS-50356</b>	SampType: <b>LCS</b>	TestCode: <b>160.2_2540D</b>	Units: <b>mg/L</b>	Prep Date: <b>5/6/2015</b>	RunNo: <b>100218</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>50356</b>	TestNo: <b>SM2540D</b>	Analysis Date: <b>5/6/2015</b>	SeqNo: <b>1992894</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter)	943.000	10	1000	0	94.3	80	120				

Sample ID: <b>N015565-001E DUP</b>	SampType: <b>DUP</b>	TestCode: <b>160.2_2540D</b>	Units: <b>mg/L</b>	Prep Date: <b>5/6/2015</b>	RunNo: <b>100218</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>50356</b>	TestNo: <b>SM2540D</b>	Analysis Date: <b>5/6/2015</b>	SeqNo: <b>1992896</b>							
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
  - 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:** CH2MHill  
**Work Order:** N015565  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 160.5\_2540F\_W**

Sample ID: <b>MB-50366</b>	SampType: <b>MBLK</b>	TestCode: <b>160.5_2540F_</b> Units: <b>m/L</b>	Prep Date: <b>5/6/2015</b>	RunNo: <b>100329</b>							
Client ID: <b>PBW</b>	Batch ID: <b>50366</b>	TestNo: <b>SM2540F</b>	Analysis Date: <b>5/6/2015</b>	SeqNo: <b>1999411</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Settleable Matter	ND	0.10									

**Qualifiers:**

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



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**CLIENT:** CH2MHill  
**Work Order:** N015565  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 1664\_HEM\_W**

Sample ID: <b>MB-50391</b>	SampType: <b>MBLK</b>	TestCode: <b>1664_HEM_W</b> Units: <b>mg/L</b>	Prep Date: <b>5/8/2015</b>	RunNo: <b>100263</b>							
Client ID: <b>PBW</b>	Batch ID: <b>50391</b>	TestNo: <b>EPA 1664_H</b>	Analysis Date: <b>5/8/2015</b>	SeqNo: <b>1995510</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Oil & Grease

ND

4.0

Sample ID: <b>LCS-50391</b>	SampType: <b>LCS</b>	TestCode: <b>1664_HEM_W</b> Units: <b>mg/L</b>	Prep Date: <b>5/8/2015</b>	RunNo: <b>100263</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>50391</b>	TestNo: <b>EPA 1664_H</b>	Analysis Date: <b>5/8/2015</b>	SeqNo: <b>1995511</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Oil & Grease

32.800

4.0

40.00

0

82.0

78

114

Sample ID: <b>N015565-001A MS</b>	SampType: <b>MS</b>	TestCode: <b>1664_HEM_W</b> Units: <b>mg/L</b>	Prep Date: <b>5/8/2015</b>	RunNo: <b>100263</b>							
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>50391</b>	TestNo: <b>EPA 1664_H</b>	Analysis Date: <b>5/8/2015</b>	SeqNo: <b>1995513</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Oil & Grease

34.105

4.2

42.11

0.7368

79.2

78

114

Sample ID: <b>N015565-001A MSD</b>	SampType: <b>MSD</b>	TestCode: <b>1664_HEM_W</b> Units: <b>mg/L</b>	Prep Date: <b>5/8/2015</b>	RunNo: <b>100263</b>							
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>50391</b>	TestNo: <b>EPA 1664_H</b>	Analysis Date: <b>5/8/2015</b>	SeqNo: <b>1995514</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Oil & Grease

34.316

4.2

42.11

0.7368

79.8

78

114

34.11

0.615

18

**Qualifiers:**

- |  |  |  |
|--|--|--|
| B Analyte detected in the associated Method Blank              | E Value above quantitation range       | H Holding times for preparation or analysis exceeded |
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**CLIENT:** CH2MHill  
**Work Order:** N015565  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 200.8\_W\_DRC**

Sample ID: <b>MB-50357</b>	SampType: <b>MBLK</b>	TestCode: <b>200.8_W_DR</b>	Units: <b>µg/L</b>	Prep Date: <b>5/6/2015</b>	RunNo: <b>100255</b>						
Client ID: <b>PBW</b>	Batch ID: <b>50357</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>5/6/2015</b>	SeqNo: <b>1994399</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	ND	0.50									

Sample ID: <b>LCS-50357</b>	SampType: <b>LCS</b>	TestCode: <b>200.8_W_DR</b>	Units: <b>µg/L</b>	Prep Date: <b>5/6/2015</b>	RunNo: <b>100255</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>50357</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>5/6/2015</b>	SeqNo: <b>1994400</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	9.893	0.50	10.00	0	98.9	85	115				

Sample ID: <b>N015565-001H-MS</b>	SampType: <b>MS</b>	TestCode: <b>200.8_W_DR</b>	Units: <b>µg/L</b>	Prep Date: <b>5/6/2015</b>	RunNo: <b>100255</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>50357</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>5/6/2015</b>	SeqNo: <b>1994406</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	8.769	0.50	10.00	0	87.7	75	125				

Sample ID: <b>N015565-001H-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>200.8_W_DR</b>	Units: <b>µg/L</b>	Prep Date: <b>5/6/2015</b>	RunNo: <b>100255</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>50357</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>5/6/2015</b>	SeqNo: <b>1994407</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	9.007	0.50	10.00	0	90.1	75	125	8.769	2.69	20	

**Qualifiers:**

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**CLIENT:** CH2MHill  
**Work Order:** N015565  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 200.8\_W\_SFPP**

Sample ID: <b>MB-50357</b>	SampType: <b>MBLK</b>	TestCode: <b>200.8_W_SFPP</b> Units: <b>µg/L</b>	Prep Date: <b>5/6/2015</b>	RunNo: <b>100255</b>							
Client ID: <b>PBW</b>	Batch ID: <b>50357</b>	TestNo: <b>EPA 200.8</b>	Analysis Date: <b>5/6/2015</b>	SeqNo: <b>1994301</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.50									
Zinc	0.051	10									J

Sample ID: <b>LCS-50357</b>	SampType: <b>LCS</b>	TestCode: <b>200.8_W_SFPP</b> Units: <b>µg/L</b>	Prep Date: <b>5/6/2015</b>	RunNo: <b>100255</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>50357</b>	TestNo: <b>EPA 200.8</b>	Analysis Date: <b>5/6/2015</b>	SeqNo: <b>1994302</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	9.345	0.50	10.00	0	93.4	85	115				
Zinc	100.363	10	100.0	0	100	85	115				

Sample ID: <b>N015565-001H-MS</b>	SampType: <b>MS</b>	TestCode: <b>200.8_W_SFPP</b> Units: <b>µg/L</b>	Prep Date: <b>5/6/2015</b>	RunNo: <b>100255</b>							
Client ID: <b>ZZZZZ</b>	Batch ID: <b>50357</b>	TestNo: <b>EPA 200.8</b>	Analysis Date: <b>5/6/2015</b>	SeqNo: <b>1994308</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	6.896	0.50	10.00	0	69.0	75	125				S
Zinc	81.767	10	100.0	2.783	79.0	75	125				

Sample ID: <b>N015565-001H-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>200.8_W_SFPP</b> Units: <b>µg/L</b>	Prep Date: <b>5/6/2015</b>	RunNo: <b>100255</b>							
Client ID: <b>ZZZZZ</b>	Batch ID: <b>50357</b>	TestNo: <b>EPA 200.8</b>	Analysis Date: <b>5/6/2015</b>	SeqNo: <b>1994309</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	6.937	0.50	10.00	0	69.4	75	125	6.896	0.594	20	S
Zinc	81.737	10	100.0	2.783	79.0	75	125	81.77	0.0374	20	

Sample ID: <b>MB-50357</b>	SampType: <b>MBLK</b>	TestCode: <b>200.8_W_SFPP</b> Units: <b>µg/L</b>	Prep Date: <b>5/6/2015</b>	RunNo: <b>100260</b>							
Client ID: <b>PBW</b>	Batch ID: <b>50357</b>	TestNo: <b>EPA 200.8</b>	Analysis Date: <b>5/7/2015</b>	SeqNo: <b>1995201</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.50									

**Qualifiers:**

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

**TestCode: 200.8\_W\_SFPP**

Sample ID: <b>MB-50357</b>	SampType: <b>MBLK</b>	TestCode: <b>200.8_W_SFPP</b> Units: <b>µg/L</b>	Prep Date: <b>5/6/2015</b>	RunNo: <b>100260</b>							
Client ID: <b>PBW</b>	Batch ID: <b>50357</b>	TestNo: <b>EPA 200.8</b>	Analysis Date: <b>5/7/2015</b>	SeqNo: <b>1995201</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Thallium	ND	0.50									

Sample ID: <b>LCS-50357</b>	SampType: <b>LCS</b>	TestCode: <b>200.8_W_SFPP</b> Units: <b>µg/L</b>	Prep Date: <b>5/6/2015</b>	RunNo: <b>100260</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>50357</b>	TestNo: <b>EPA 200.8</b>	Analysis Date: <b>5/7/2015</b>	SeqNo: <b>1995202</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.322	0.50	10.00	0	103	85	115				
Thallium	10.288	0.50	10.00	0	103	85	115				

Sample ID: <b>N015565-001H-MS</b>	SampType: <b>MS</b>	TestCode: <b>200.8_W_SFPP</b> Units: <b>µg/L</b>	Prep Date: <b>5/6/2015</b>	RunNo: <b>100260</b>							
Client ID: <b>ZZZZZ</b>	Batch ID: <b>50357</b>	TestNo: <b>EPA 200.8</b>	Analysis Date: <b>5/7/2015</b>	SeqNo: <b>1995206</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.246	0.50	10.00	0	102	75	125				
Thallium	10.525	0.50	10.00	0	105	75	125				

Sample ID: <b>N015565-001H-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>200.8_W_SFPP</b> Units: <b>µg/L</b>	Prep Date: <b>5/6/2015</b>	RunNo: <b>100260</b>							
Client ID: <b>ZZZZZ</b>	Batch ID: <b>50357</b>	TestNo: <b>EPA 200.8</b>	Analysis Date: <b>5/7/2015</b>	SeqNo: <b>1995209</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.286	0.50	10.00	0	103	75	125	10.25	0.386	20	
Thallium	10.530	0.50	10.00	0	105	75	125	10.52	0.0478	20	

**Qualifiers:**

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**CLIENT:** CH2MHill  
**Work Order:** N015565  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 245.1\_W\_LL**

Sample ID: <b>MB-50355</b>	SampType: <b>MBLK</b>	TestCode: <b>245.1_W_LL</b>	Units: <b>µg/L</b>	Prep Date: <b>5/6/2015</b>	RunNo: <b>100224</b>						
Client ID: <b>PBW</b>	Batch ID: <b>50355</b>	TestNo: <b>EPA 245.1</b>		Analysis Date: <b>5/6/2015</b>	SeqNo: <b>1993482</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.031	0.050									J

Sample ID: <b>LCS-50355</b>	SampType: <b>LCS</b>	TestCode: <b>245.1_W_LL</b>	Units: <b>µg/L</b>	Prep Date: <b>5/6/2015</b>	RunNo: <b>100224</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>50355</b>	TestNo: <b>EPA 245.1</b>		Analysis Date: <b>5/6/2015</b>	SeqNo: <b>1993485</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.672	0.050	2.500	0	107	85	115				

Sample ID: <b>N015565-001H-MS</b>	SampType: <b>MS</b>	TestCode: <b>245.1_W_LL</b>	Units: <b>µg/L</b>	Prep Date: <b>5/6/2015</b>	RunNo: <b>100224</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>50355</b>	TestNo: <b>EPA 245.1</b>		Analysis Date: <b>5/6/2015</b>	SeqNo: <b>1993488</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.717	0.050	2.500	0.03241	107	75	125				

Sample ID: <b>N015565-001H-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>245.1_W_LL</b>	Units: <b>µg/L</b>	Prep Date: <b>5/6/2015</b>	RunNo: <b>100224</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>50355</b>	TestNo: <b>EPA 245.1</b>		Analysis Date: <b>5/6/2015</b>	SeqNo: <b>1993489</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.482	0.050	2.500	0.03241	98.0	75	125	2.717	9.06	20	

**Qualifiers:**

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**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 7199\_W**

Sample ID: <b>LCS-R100271</b>	SampType: <b>LCS</b>	TestCode: <b>7199_W</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>100271</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>R100271</b>	TestNo: <b>EPA 7199</b>		Analysis Date: <b>5/6/2015</b>	SeqNo: <b>1995864</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexavalent Chromium	4.959	0.20	5.000	0	99.2	90	110				
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Sample ID: <b>MB-R100271</b>	SampType: <b>MBLK</b>	TestCode: <b>7199_W</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>100271</b>						
Client ID: <b>PBW</b>	Batch ID: <b>R100271</b>	TestNo: <b>EPA 7199</b>		Analysis Date: <b>5/6/2015</b>	SeqNo: <b>1995865</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexavalent Chromium	ND	0.20									
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Sample ID: <b>N015565-001E-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>7199_W</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>100271</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R100271</b>	TestNo: <b>EPA 7199</b>		Analysis Date: <b>5/6/2015</b>	SeqNo: <b>1995874</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexavalent Chromium	0.137	0.20						0.1309	0	20	J
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Sample ID: <b>N015474-002A-MS</b>	SampType: <b>MS</b>	TestCode: <b>7199_W</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>100271</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R100271</b>	TestNo: <b>EPA 7199</b>		Analysis Date: <b>5/6/2015</b>	SeqNo: <b>1995875</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexavalent Chromium	32.160	1.0	25.00	7.747	97.7	85	115				
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Sample ID: <b>N015474-002A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>7199_W</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>100271</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R100271</b>	TestNo: <b>EPA 7199</b>		Analysis Date: <b>5/6/2015</b>	SeqNo: <b>1995876</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexavalent Chromium	32.815	1.0	25.00	7.747	100	85	115	32.16	2.01	20	
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**Qualifiers:**

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## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_W\_FP\_SFPP**

Sample ID: <b>MB-50351</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_W_FP_</b>	Units: <b>ug/L</b>	Prep Date: <b>5/6/2015</b>	RunNo: <b>100230</b>						
Client ID: <b>PBW</b>	Batch ID: <b>50351</b>	TestNo: <b>EPA 8015B EPA 3510C</b>		Analysis Date: <b>5/6/2015</b>	SeqNo: <b>1995500</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Diesel (C13-C22)	ND	25									
TPH-Oil (C23-C36)	ND	25									
Surr: Octacosane	72.519		80.00		90.6	26	152				
Surr: p-Terphenyl	70.769		80.00		88.5	57	132				

**Qualifiers:**

- |  |  |  |
|--|--|--|
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**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_W\_SFPPTOT**

Sample ID: <b>MB-R100230</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_W_SFP</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>100230</b>						
Client ID: <b>PBW</b>	Batch ID: <b>R100230</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>5/6/2015</b>	SeqNo: <b>1995502</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total TPH	ND	50									

**Qualifiers:**

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|--|--|--|
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**CLIENT:** CH2MHill  
**Work Order:** N015565  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015GAS\_WSFPP**

Sample ID: <b>E150512LCS</b>	SampType: <b>LCS</b>	TestCode: <b>8015GAS_WS</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>100321</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>E15VW032</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>5/12/2015</b>	SeqNo: <b>1999143</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	963.000	50	1000	0	96.3	67	136				
Surr: Chlorobenzene - d5	48185.000		50000		96.4	74	138				

Sample ID: <b>E150512MB1</b>	SampType: <b>MBLK</b>	TestCode: <b>8015GAS_WS</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>100321</b>						
Client ID: <b>PBW</b>	Batch ID: <b>E15VW032</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>5/12/2015</b>	SeqNo: <b>1999144</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	ND	50									
Surr: Chlorobenzene - d5	52468.000		50000		105	74	138				

Sample ID: <b>N015565-001BMS</b>	SampType: <b>MS</b>	TestCode: <b>8015GAS_WS</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>100321</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E15VW032</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>5/12/2015</b>	SeqNo: <b>1999146</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	908.000	50	1000	0	90.8	67	136				
Surr: Chlorobenzene - d5	47843.000		50000		95.7	74	138				

Sample ID: <b>N015565-001BMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015GAS_WS</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>100321</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E15VW032</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>5/12/2015</b>	SeqNo: <b>1999147</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	967.000	50	1000	0	96.7	67	136	908.0	6.29	30	
Surr: Chlorobenzene - d5	50795.000		50000		102	74	138		0	0	

**Qualifiers:**

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



**ASSET LABORATORIES**  
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

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NEVADA  
 3151 W. Post Rd., Las Vegas, NV 89118  
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"Serving Clients with Passion and Professionalism"

**CLIENT:** CH2MHill  
**Work Order:** N015565  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_SFPP**

Sample ID: <b>P150507LCS2</b>		SampType: <b>LCS</b>		TestCode: <b>8260_WP_SF</b>		Units: <b>ug/L</b>		Prep Date:		RunNo: <b>100261</b>	
Client ID: <b>LCSW</b>		Batch ID: <b>P15VW075</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>5/7/2015</b>				SeqNo: <b>1995399</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	18.580	0.50	20.00	0	92.9	69	133				
1,2-Dichloroethane	18.760	0.50	20.00	0	93.8	69	132				
Benzene	19.110	1.0	20.00	0	95.6	81	122				
Ethylbenzene	19.100	1.0	20.00	0	95.5	73	127				
m,p-Xylene	39.270	1.0	40.00	0	98.2	76	128				
MTBE	18.530	1.0	20.00	0	92.6	65	123				
o-Xylene	19.550	1.0	20.00	0	97.8	80	121				
Tert-Butanol	91.110	5.0	100.0	0	91.1	70	130				
Toluene	19.670	2.0	20.00	0	98.4	77	122				
Xylenes, Total	58.820	2.0	60.00	0	98.0	75	125				
Surr: 1,2-Dichloroethane-d4	24.100		25.00		96.4	72	119				
Surr: 4-Bromofluorobenzene	25.610		25.00		102	76	119				
Surr: Dibromofluoromethane	24.570		25.00		98.3	85	115				
Surr: Toluene-d8	26.160		25.00		105	81	120				

Sample ID: <b>N015565-001GMS</b>		SampType: <b>MS</b>		TestCode: <b>8260_WP_SF</b>		Units: <b>ug/L</b>		Prep Date:		RunNo: <b>100261</b>	
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>P15VW075</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>5/7/2015</b>				SeqNo: <b>1995400</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	18.100	0.50	20.00	0	90.5	69	133				
1,2-Dichloroethane	18.300	0.50	20.00	0	91.5	69	132				
Benzene	18.810	1.0	20.00	0	94.1	81	122				
Ethylbenzene	18.400	1.0	20.00	0	92.0	73	127				
m,p-Xylene	37.730	1.0	40.00	0	94.3	76	128				
MTBE	18.270	1.0	20.00	0	91.4	65	123				
o-Xylene	19.070	1.0	20.00	0	95.4	80	121				
Tert-Butanol	90.550	5.0	100.0	0	90.6	70	130				
Toluene	18.920	2.0	20.00	0	94.6	77	122				
Xylenes, Total	56.800	2.0	60.00	0	94.7	75	125				
Surr: 1,2-Dichloroethane-d4	23.750		25.00		95.0	72	119				

**Qualifiers:**

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



**ASSET LABORATORIES**  
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 P: 702.307.2659 F: 702.307.2691

"Serving Clients with Passion and Professionalism"

CLIENT: CH2MHill  
 Work Order: N015565  
 Project: SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

TestCode: 8260\_WP\_SFPP

Sample ID: <b>N015565-001GMS</b>	SampType: <b>MS</b>	TestCode: <b>8260_WP_SF</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>100261</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>P15VW075</b>	TestNo: <b>EPA 8260B</b>	Analysis Date: <b>5/7/2015</b>	SeqNo: <b>1995400</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	25.510		25.00		102	76	119				
Surr: Dibromofluoromethane	24.770		25.00		99.1	85	115				
Surr: Toluene-d8	25.130		25.00		101	81	120				

Sample ID: <b>N015565-001GMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260_WP_SF</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>100261</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>P15VW075</b>	TestNo: <b>EPA 8260B</b>	Analysis Date: <b>5/7/2015</b>	SeqNo: <b>1995401</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	18.240	0.50	20.00	0	91.2	69	133	18.10	0.771	20	
1,2-Dichloroethane	19.170	0.50	20.00	0	95.9	69	132	18.30	4.64	20	
Benzene	19.580	1.0	20.00	0	97.9	81	122	18.81	4.01	20	
Ethylbenzene	19.270	1.0	20.00	0	96.4	73	127	18.40	4.62	20	
m,p-Xylene	39.580	1.0	40.00	0	99.0	76	128	37.73	4.79	20	
MTBE	18.180	1.0	20.00	0	90.9	65	123	18.27	0.494	20	
o-Xylene	19.370	1.0	20.00	0	96.9	80	121	19.07	1.56	20	
Tert-Butanol	95.310	5.0	100.0	0	95.3	70	130	90.55	5.12	20	
Toluene	19.440	2.0	20.00	0	97.2	77	122	18.92	2.71	20	
Xylenes, Total	58.950	2.0	60.00	0	98.2	75	125	56.80	3.71	20	
Surr: 1,2-Dichloroethane-d4	24.680		25.00		98.7	72	119		0		
Surr: 4-Bromofluorobenzene	25.280		25.00		101	76	119		0		
Surr: Dibromofluoromethane	25.010		25.00		100	85	115		0		
Surr: Toluene-d8	25.810		25.00		103	81	120		0		

Sample ID: <b>P150507MB6</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_SF</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>100261</b>						
Client ID: <b>PBW</b>	Batch ID: <b>P15VW075</b>	TestNo: <b>EPA 8260B</b>	Analysis Date: <b>5/7/2015</b>	SeqNo: <b>1995404</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	ND	0.50									
1,2-Dichloroethane	ND	0.50									
Benzene	ND	1.0									

**Qualifiers:**

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



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 P: 702.307.2659 F: 702.307.2691

"Serving Clients with Passion and Professionalism"

**CLIENT:** CH2MHill  
**Work Order:** N015565  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_SFPP**

Sample ID: <b>P150507MB6</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_SF</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>100261</b>						
Client ID: <b>PBW</b>	Batch ID: <b>P15VW075</b>	TestNo: <b>EPA 8260B</b>	Analysis Date: <b>5/7/2015</b>	SeqNo: <b>1995404</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	ND	1.0									
m,p-Xylene	ND	1.0									
MTBE	ND	1.0									
o-Xylene	ND	1.0									
Tert-Butanol	ND	5.0									
Toluene	ND	2.0									
Xylenes, Total	ND	2.0									
Surr: 1,2-Dichloroethane-d4	24.950		25.00		99.8	72	119				
Surr: 4-Bromofluorobenzene	25.180		25.00		101	76	119				
Surr: Dibromofluoromethane	25.000		25.00		100	85	115				
Surr: Toluene-d8	25.400		25.00		102	81	120				

**Qualifiers:**

- |  |  |  |
|--|--|--|
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# ASSET Laboratories

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


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

Cooler Received/Opened On: 5/6/2015 Workorder: N015565  
 Rep sample Temp (Deg C): 4.1 IR Gun ID: 2  
 Temp Blank:  Yes  No  
 Carrier name: Golden State Overnight  
 Last 4 digits of Tracking No.: 4958 Packing Material Used: Bubble Wrap  
 Cooling process:  Ice  Ice Pack  Dry Ice  Other  None

## Sample Receipt Checklist

- |   |   |                             |   |
|---|---|-----------------------------|---|
| 1. Shipping container/cooler in good condition?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/>            |
| 2. Custody seals intact, signed, dated on shipping container/cooler?                    | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles?  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 5. Sampler's name present in COC?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 6. Chain of custody signed when relinquished and received?                              | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 7. Chain of custody agrees with sample labels?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 8. Samples in proper container/bottle?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 9. Sample containers intact?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 10. Sufficient sample volume for indicated test?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 11. All samples received within holding time?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 12. Temperature of rep sample or Temp Blank within acceptable limit?                    | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/>                     |
| 13. Water - VOA vials have zero headspace?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/>                     |
| 14. Water - pH acceptable upon receipt?<br>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?<br>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: HG  5/7/2015

Reviewed By:  05/12/15



# ASSET Laboratories

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

www.atl-labs.com

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FAX: 7023072691

# CHAIN-OF-CUSTODY RECORD

**QC Level: RTNE**

**Subcontractor:**

AETL  
2834 North Naomi Street  
Burbank, CA 91504

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

Field Sampler: James Dye

**06-May-15**

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests		
				EPA 420.1		
N015565-001F / EFF-05-05	Wastewater	5/5/2015 12:20:00 PM	32OZA	1		

General Comments: Please email sample receipt acknowledgement to the PM.  
 Please use PO#:N15565A For questions, call Marlon at (702)-307-2659. Please e-mail results to reports.lv@assetlaboratories.com by:5 Day TAT  
 Please analyze for Phenol.

<b>Relinquished by:</b> <u>John Boriza</u>	<b>Date/Time</b> 5/6/2015	<b>Received by:</b> _____	<b>Date/Time</b> _____
<b>Relinquished by:</b> _____	_____	<b>Received by:</b> _____	_____



# CHAIN OF CUSTODY RECORD

Contact us:  
Nevada: 3151 W. Post Road, Las Vegas, NV 89118  
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California: 11060 Artesia Blvd., Ste C, Cerritos, CA 90703  
P: 562.219.7435 F: 562.219.7436  
[www.assetlaboratories.com](http://www.assetlaboratories.com)

Page 11 of 11

Client: <b>ASSET LABS</b>		Report to:		Bill to:		EDD Requirement		QA/QC		Sample Receipt Condition	
Address:		Company:		Address:		Excel EDD <input type="checkbox"/>		RTNE <input type="checkbox"/>		Y N	
Address:		Email:				Geotracker <input type="checkbox"/>		RWQCB <input type="checkbox"/>		1. Chilled <input type="checkbox"/>	
Address:						Labspec <input type="checkbox"/>		CalTrans <input type="checkbox"/>		2. Headspace <input type="checkbox"/>	
Address:						Others <input type="checkbox"/>		Level III <input type="checkbox"/>		3. Container Intact <input type="checkbox"/>	
Phone:		Fax:		Address:		Email to:		PO#		Specify:	
Submitted By: <b>MOLLY BRAZ</b>						Phone:		Fax:		Global ID:	
Title:		Phone:		Fax:						LEVEL IV <input type="checkbox"/>	
Signature: _____		Date: _____		Sampled By: _____						Regulatory <input type="checkbox"/>	
I hereby authorize ASSET Labs to perform the tests indicated below:										Specify State:	
Project Name: <b>SFP - NORWALK SITE</b>										6. Method of Cooling	
Project Number: _____		Signature: _____		Date: _____						Sample Temp: _____	
										Courier:	
										Tracking No.:	
										PRESERVATION	
										Remarks:	
										Turn Around Time	
										No. of container	
										Container Type	
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# ASSET Laboratories

## WORK ORDER Summary

07-May-15

WorkOrder: N015565

Client ID: CH2HI03

Project: SFPP - Norwalk Site

QC Level: RTNE

Date Received: 5/6/2015

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

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N015565-001A	EFF-05-05	5/5/2015 12:20:00 PM	5/13/2015	Wastewater		Oil and Grease Sample Prep	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			5/13/2015		EPA 1664 _HEM	Hexane Extractable Material (HEM)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N015565-001B			5/13/2015		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VW
N015565-001C			5/13/2015		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			5/13/2015		EPA 8015B	TPH EXTRACTABLE BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			5/13/2015		EPA 8015B	Total TPH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N015565-001D			5/13/2015		SM2540F	SETTLEABLE MATTER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			5/13/2015			Setteable Matter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N015565-001E			5/13/2015		SM2540D	TOTAL NON-FILTERABLE RESIDUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			5/13/2015			Total Suspended Solids Prep	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			5/13/2015		EPA 7199	Hexavalent Chromium by IC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N015565-001F			5/13/2015		EPA 420.1	PHENOLICS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N015565-001G			5/8/2015		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VW
N015565-001H			5/8/2015			AQPREP TOTAL METALS: ICP, FLAA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			5/8/2015		EPA 200.8	TOTAL METALS BY COLLISION/REACTION CELL ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			5/8/2015		EPA 200.8	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			5/8/2015		EPA 245.1	MERCURY BY COLD VAPOR TECHNIQUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			5/8/2015			MERCURY PREP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N015565-002A	FOLDER		5/8/2015		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



800-322-5555 www.gso.com

**Ship From**

ASSET LABORATORIES  
MOLKY BRAR  
11060 ARTESIA BLVD., STE. C  
CERRITOS, CA 90703

Tracking #: 527824958

**CPS**



**Ship To**

ATL INC  
MARLON CARTIN  
3151 W. POST RD.,  
LAS VEGAS, NV 89118

**LVS**  
**LAS VEGAS**

**A**

**COD:** \$0.00

**Weight:** 0 lb(s)

**Reference:**

**C89102A**

**Delivery Instructions:**

HOLD FOR PICK UP

**Signature Type:** REQUIRED



37372905

Print Date: 5/5/2015 6:03 PM

Package 1 of 4

**LABEL INSTRUCTIONS:**

**Do not copy or reprint this label for additional shipments - each package must have a unique barcode.**

Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer. Securely attach this label to your package, do not cover the barcode.



## American Environmental Testing Laboratory Inc.

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

### Ordered By

ASSET Laboratories  
3151-3153 W Post Road  
Las Vegas, NV 89118-

Number of Pages 2  
Date Received 05/06/2015  
Date Reported 05/14/2015

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

Job Number	Order Date	Client
76831	05/06/2015	ASSET

Project ID: N015565  
Project Name: SFPP-Norwalk Site

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

Checked By: \_\_\_\_\_

Approved By: \_\_\_\_\_

Cyrus Razmara, Ph.D.  
Laboratory Director



AETL

# ASSET LABORATORIES

ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

76831

## CHAIN OF CUSTODY RECORD

Page 1 of 1

Contact us:  
 Nevada: 3151 W. Post Road, Las Vegas, NV 89118  
 P: 702.307.2659 F: 702.307.2691  
 California: 11060 Artesia Blvd., Ste C, Cerritos, CA 90703  
 P: 562.219.7435 F: 562.219.7436  
 www.assetlaboratories.com

Client: <b>ASSET LABS</b>		Report to:		Bill to:		EDD Requirement		QA/QC		Sample Receipt Condition	
Address:		Company:		Address:		Excel EDD <input type="checkbox"/>		RTNE <input type="checkbox"/>		Y N	
Address:		Email:		Address:		GeoTracker <input type="checkbox"/>		RWQCB <input type="checkbox"/>		1. Chilled <input type="checkbox"/>	
Address:		Email:		Address:		Labspec <input type="checkbox"/>		CalTrans <input type="checkbox"/>		2. Headspace <input type="checkbox"/>	
Phone:		Fax:		Address:		Others <input type="checkbox"/>		Level III <input type="checkbox"/>		3. Container Intact <input type="checkbox"/>	
Submitted By: <b>MOLLY BRAZ</b>		Phone:		Email to:		Specify:		LEVEL IV <input type="checkbox"/>		4. Seal Present <input type="checkbox"/>	
Title:		Fax:		PO#:		Global ID:		Regulatory <input type="checkbox"/>		5. IR number	
Signature:		Date:		Sampled By:		Phone:		Specify State:		6. Method of Cooling	
Project Name:		Signature:		Date:		Matrix		Analyses Requested		Sample Temp:	
Project Number:		Date:		Signature:		Date:		Ground <input type="checkbox"/>		Sediment <input type="checkbox"/>	
I hereby authorize ASSET Labs to perform the tests indicated below:		Date:		Signature:		Date:		Potable <input type="checkbox"/>		Soil <input type="checkbox"/>	
Project Name: <b>SFPD - NORWALK SIDE</b>		Date:		Signature:		Date:		NPDES <input type="checkbox"/>		Other Solid <input type="checkbox"/>	
Project Number:		Date:		Signature:		Date:		Surface <input type="checkbox"/>		Other Solid <input type="checkbox"/>	
I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.		Date:		Signature:		Date:		Surface <input type="checkbox"/>		Other Solid <input type="checkbox"/>	
Turn Around Time		No. of Container		Container Type		PRESERVATION		Courier:		Tracking No.	
10		10		10		10		10		10	
Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others	Remarks		Remarks	
1	76831.01	EFF-05-05	5/5/15	1220	✓		X	PHASE I (420.1)		PHASE I	
2											
3											
4											
5											
6											
7											
8											
9											
10											
Relinquished by (Signature and Printed Name):		Date / Time		Received by (Signature and Printed Name):		Date / Time		Turn Around Time (TAT)		Special Instruction:	
		5-6-15 4:05PM				5/6/15 1:00		<input type="checkbox"/> A < 24 Hrs or Same Day TAT <input type="checkbox"/> B = Next Workday <input type="checkbox"/> C = 2 Workdays <input type="checkbox"/> D = 3 Workdays <input checked="" type="checkbox"/> E = Routine 5-7 Workdays TAT Starts at 8 AM the following day if samples received after 3:00 PM.		5 DAY TAT	
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					
Terms		5. Trip Blanks and Equipment Blanks are billable sample.		6. ASSET Laboratories is not responsible for samples collected using incorrect methodology.		7. Terms are net 30 Days.		8. All reports are submitted in electronic format. Please inform ASSET Laboratories if hard copy of report is needed.		9. For subcontract analysis, TAT and Surcharges will vary.	
1. All samples will be disposed in 45 days upon receipt and records will be destroyed in 5 years upon submission of final report.		2. Regular TAT is 5-7 business days, surcharges will apply for rush analysis		Less than 24 Hrs = 200% Next Day = 100% 2 Workdays = 50% 3 Workdays = 35% 4 Workdays = 20%		3. Custom EDD formats will be an additional 3% of the total project price.		4. Add 10% surcharge for Level III Data Packages, 15% for Level IV Data Packages. Surcharge applied on total project price.		Preservatives:	
										Container Type:	
										H = HCl N = HNO3 S = H2SO4 C = 4°C T = Tube V = VOA P = Pint	
										Z = Zn(AC)2 O = NaOH T = Na2S2O3 J = Jar B = Tedlar G = Glass	
										Others/Specify: M = Metal P = Plastic C = Can	

White = Laboratory Copy

Yellow = Customer's Copy





**ASSET Laboratories**

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

**CHAIN-OF-CUSTODY RECORD**

QC Level: RTNE

Subcontractor:

AETL  
2834 North Naomi Street  
Burbank, CA 91504

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

Field Sampler: James Dye

06-May-15

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests		
				EPA 420.1		
N015565-001F / EFF-05-05	Wastewater	5/5/2015 12:20:00 PM	32OZA	1		

General Comments: Please email sample receipt acknowledgement to the PM.  
Please use PO#:N15565A For questions, call Marion at (702)-307-2659. Please e-mail results to reports.lv@assetlaboratories.com by:5 Day TAT  
Please analyze for Phenol.

Relinquished by: <u><i>[Signature]</i></u>	Date/Time: <u>5/6/2015</u>	Received by: _____	Date/Time: _____
Relinquished by: _____	Date/Time: _____	Received by: _____	Date/Time: _____



# American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181

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Page: 1 A

### Ordered By

ASSET Laboratories  
3151-3153 W Post Road  
Las Vegas, NV 89118-

Project ID: N015565  
Date Received 05/06/2015  
Date Reported 05/14/2015

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

Job Number	Order Date	Client
76831	05/06/2015	ASSET

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 1 samples with the following specification on 05/06/2015.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers	
76831.01	N015565-001F/ EFF-05-05	05/05/2015	Aqueous	1	
Method ^	Submethod	Req Date	Priority	TAT	Units
420.1		05/13/2015	2	Normal	mg/L

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

Checked By: \_\_\_\_\_

Approved By: \_\_\_\_\_

Cyrus Razmara, Ph.D.  
Laboratory Director



# American Environmental Testing Laboratory Inc.

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

## ANALYTICAL RESULTS

### Ordered By

ASSET Laboratories  
 3151-3153 W Post Road  
 Las Vegas, NV 89118-

Telephone: (702)307-2659

Attn: Marlon Cartin

Page: **2**

Project ID: N015565

Project Name: SFPP-Norwalk Site

AETL Job Number	Submitted	Client
76831	05/06/2015	ASSET

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

QC Batch No: 050715-1

Our Lab I.D.		Method Blank	76831.01			
Client Sample I.D.			N015565-001 F/ EFF-05-05			
Date Sampled			05/05/2015			
Date Prepared		05/07/2015	05/07/2015			
Preparation Method		420.1	420.1			
Date Analyzed		05/07/2015	05/07/2015			
Matrix		Aqueous	Aqueous			
Units		mg/L	mg/L			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Phenolic compounds as phenol	0.15	0.30	ND	ND		

## QUALITY CONTROL REPORT

QC Batch No: 050715-1; Dup or Spiked Sample: 76819.01; LCS: Clean Water; QC Prepared: 05/07/2015; QC Analyzed: 05/07/2015;  
 Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Phenol	0.00	0.500	0.428	85.6	0.500	0.451	90.2	5.2	80-120	<15

QC Batch No: 050715-1; Dup or Spiked Sample: 76819.01; LCS: Clean Water; QC Prepared: 05/07/2015; QC Analyzed: 05/07/2015;  
 Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Phenol	0.500	0.422	84.4	0.500	0.456	91.2	7.7	80-120	<20



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### Data Qualifiers and Descriptors

#### *Data Qualifier:*

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

#### *Definition:*

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



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### Data Qualifiers and Descriptors

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

---

June 11, 2015

Dan Jablonski  
CH2MHill  
1000 Wilshire Blvd.  
Los Angeles, CA 90017

CA-ELAP No.: 2676  
NV Cert. No.: NV-00922

TEL:

FAX:

Workorder No.: N015882

RE: SFPP - Norwalk Site

Attention: Dan Jablonski

Enclosed are the results for sample(s) received on June 03, 2015 by ASSET 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 (702) 307-2659 if I can be of further assistance to your company.

Sincerely,



Glen Gesmundo  
QA Manager

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.



**ASSET LABORATORIES**  
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

CALIFORNIA  
11060 Artesia Blvd., Ste C, Cerritos, CA 90703  
P: 562.219.7435 F: 562.219.7436

NEVADA  
3151 W. Post Rd., Las Vegas, NV 89118  
P: 702.307.2659 F: 702.307.2691

"Serving Clients with Passion and Professionalism"

**CLIENT:** CH2MHill  
**Project:** SFPP - Norwalk Site  
**Lab Order:** N015882

**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 Test:**

Phenol was subcontracted to AETL - Burbank, CA .

**Analytical Comments for EPA 200.8:**

Method Blank has hit above the reporting limit for Copper .Sample result was non-detect (ND) for this analyte therefore reanalysis of the sample was not necessary.

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) on QC samples N015882-001H-MS and N015882-001H-MSD are outside recovery criteria for Copper possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

**Analytical Comments for EPA 8260B:**

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) on QC samples N015882-001GMS and N015882-001GMSD are outside recovery criteria for Tert-Butanol possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.



**CLIENT:** CH2MHill  
**Project:** SFPP - Norwalk Site  
**Lab Order:** N015882  
**Contract No:**

**Work Order Sample Summary**

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N015882-001A	EFF-06-02	Wastewater	6/2/2015 9:10:00 AM	6/3/2015	6/11/2015
N015882-001B	EFF-06-02	Wastewater	6/2/2015 9:10:00 AM	6/3/2015	6/11/2015
N015882-001C	EFF-06-02	Wastewater	6/2/2015 9:10:00 AM	6/3/2015	6/11/2015
N015882-001D	EFF-06-02	Wastewater	6/2/2015 9:10:00 AM	6/3/2015	6/11/2015
N015882-001E	EFF-06-02	Wastewater	6/2/2015 9:10:00 AM	6/3/2015	6/11/2015
N015882-001F	EFF-06-02	Wastewater	6/2/2015 9:10:00 AM	6/3/2015	6/11/2015
N015882-001G	EFF-06-02	Wastewater	6/2/2015 9:10:00 AM	6/3/2015	6/11/2015
N015882-001H	EFF-06-02	Wastewater	6/2/2015 9:10:00 AM	6/3/2015	6/11/2015
N015882-001I	EFF-06-02	Wastewater	6/2/2015 9:10:00 AM	6/3/2015	6/11/2015





**ASSET Laboratories**

**ANALYTICAL RESULTS**

Print Date: 11-Jun-15

**CLIENT:** CH2MHiil  
**Lab Order:** N015882  
**Project:** SFPP - Norwalk Site  
**Lab ID:** N015882-001

**Client Sample ID:** EFF-06-02  
**Collection Date:** 6/2/2015 9:10:00 AM  
**Matrix:** WASTEWATER

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

**TOTAL NON-FILTERABLE RESIDUE**

**SM2540D**

RunID: <b>WETCHEM_150603G</b>	QC Batch: <b>50590</b>				PrepDate: <b>6/3/2015</b>		Analyst: <b>LR</b>
Suspended Solids (Residue, Non-Filterable)	ND	10	10		mg/L	1	6/3/2015 09:25 AM

**SETTLABLE MATTER**

**SM2540F**

RunID: <b>WETCHEM_150603H</b>	QC Batch: <b>50593</b>				PrepDate: <b>6/3/2015</b>		Analyst: <b>QBM</b>
Settleable Matter	ND	0.0087	0.0087		ml/L	1	6/3/2015

**HEXANE EXTRACTABLE MATERIAL (HEM)**

**EPA 1664 \_HEM**

RunID: <b>WETCHEM_150608A</b>	QC Batch: <b>50622</b>				PrepDate: <b>6/8/2015</b>		Analyst: <b>LR</b>
Oil & Grease	ND	0.74	4.3		mg/L	1	6/8/2015 09:23 AM

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: <b>MS5_150604B</b>	QC Batch: <b>P15VW089</b>				PrepDate:		Analyst: <b>QBM</b>
1,1-Dichloroethane	ND	0.022	0.50		ug/L	1	6/5/2015 02:40 AM
1,2-Dichloroethane	ND	0.064	0.50		ug/L	1	6/5/2015 02:40 AM
Benzene	ND	0.036	1.0		ug/L	1	6/5/2015 02:40 AM
Ethylbenzene	ND	0.036	1.0		ug/L	1	6/5/2015 02:40 AM
m,p-Xylene	0.070	0.024	1.0	J	ug/L	1	6/5/2015 02:40 AM
MTBE	ND	0.062	1.0		ug/L	1	6/5/2015 02:40 AM
o-Xylene	ND	0.042	1.0		ug/L	1	6/5/2015 02:40 AM
Tert-Butanol	ND	0.30	5.0		ug/L	1	6/5/2015 02:40 AM
Toluene	ND	0.042	2.0		ug/L	1	6/5/2015 02:40 AM
Xylenes, Total	ND	1.5	2.0		ug/L	1	6/5/2015 02:40 AM
Surr: 1,2-Dichloroethane-d4	110	0	72-119		%REC	1	6/5/2015 02:40 AM
Surr: 4-Bromofluorobenzene	101	0	76-119		%REC	1	6/5/2015 02:40 AM
Surr: Dibromofluoromethane	105	0	85-115		%REC	1	6/5/2015 02:40 AM
Surr: Toluene-d8	103	0	81-120		%REC	1	6/5/2015 02:40 AM

**TPH EXTRACTABLE BY GC/FID**

**EPA 3510C**

**EPA 8015B**

RunID: <b>GC3_150609B</b>	QC Batch: <b>50626</b>				PrepDate: <b>6/9/2015</b>		Analyst: <b>JAA</b>
TPH-Diesel (C13-C22)	ND	15	25		ug/L	1	6/10/2015 12:42 AM
TPH-Oil (C23-C36)	ND	14	25		ug/L	1	6/10/2015 12:42 AM
Surr: Octacosane	89.7	0	26-152		%REC	1	6/10/2015 12:42 AM

<b>Qualifiers:</b>	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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**ANALYTICAL RESULTS**

Print Date: 11-Jun-15

**CLIENT:** CH2MHiil  
**Lab Order:** N015882  
**Project:** SFPP - Norwalk Site  
**Lab ID:** N015882-001

**Client Sample ID:** EFF-06-02  
**Collection Date:** 6/2/2015 9:10:00 AM  
**Matrix:** WASTEWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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**TPH EXTRACTABLE BY GC/FID**

**EPA 3510C**

**EPA 8015B**

RunID: <b>GC3_150609B</b>	QC Batch: <b>50626</b>				PrepDate: <b>6/9/2015</b>		Analyst: <b>JAA</b>
Surr: p-Terphenyl	93.4	0	57-132		%REC	1	6/10/2015 12:42 AM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: <b>GC4_150609A</b>	QC Batch: <b>E15VW038</b>				PrepDate:		Analyst: <b>QBM</b>
TPH-Gasoline (C4-C12)	ND	16	50		ug/L	1	6/9/2015 11:16 AM
Surr: Chlorobenzene - d5	118	0	74-138		%REC	1	6/9/2015 11:16 AM

**HEXAVALENT CHROMIUM BY IC**

**EPA 7199**

RunID: <b>IC6_150603A</b>	QC Batch: <b>R100664</b>				PrepDate:		Analyst: <b>RB</b>
Hexavalent Chromium	0.17	0.015	0.20	J	µg/L	1	6/3/2015 08:40 AM

**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 245.1**

RunID: <b>AA1_150603A</b>	QC Batch: <b>50586</b>				PrepDate: <b>6/3/2015</b>		Analyst: <b>CEI</b>
Mercury	0.034	0.018	0.050	J	µg/L	1	6/3/2015 05:40 PM

**TOTAL METALS BY COLLISION/REACTION CELL ICPMS**

**EPA 200.8**

RunID: <b>ICP7_150604B</b>	QC Batch: <b>50587</b>				PrepDate: <b>6/4/2015</b>		Analyst: <b>CEI</b>
Selenium	ND	0.070	0.50		µg/L	1	6/4/2015 11:39 AM

**TOTAL METALS BY ICPMS**

**EPA 200.8**

RunID: <b>ICP7_150604B</b>	QC Batch: <b>50587</b>				PrepDate: <b>6/4/2015</b>		Analyst: <b>CEI</b>
Copper	ND	0.26	0.50		µg/L	1	6/4/2015 11:39 AM
Lead	ND	0.053	0.50		µg/L	1	6/5/2015 01:25 PM
Thallium	ND	0.034	0.50		µg/L	1	6/5/2015 01:25 PM
Zinc	ND	0.039	10		µg/L	1	6/5/2015 01:25 PM

**TOTAL TPH**

**EPA 8015B**

RunID: <b>GC3_150609B</b>	QC Batch: <b>R100721</b>				PrepDate:		Analyst: <b>JAA</b>
Total TPH	ND	16	50		ug/L	1	6/10/2015

<b>Qualifiers:</b>	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 interference
		Results are wet unless otherwise specified	DO	Surrogate Diluted Out



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CLIENT: CH2MHill  
 Work Order: N015882  
 Project: SFPP - Norwalk Site

**ANALYTICAL QC SUMMARY REPORT**

TestCode: 160.2\_2540D\_W

Sample ID: <b>MB-50590</b>	SampType: <b>MBLK</b>	TestCode: <b>160.2_2540D</b>	Units: <b>mg/L</b>	Prep Date: <b>6/3/2015</b>	RunNo: <b>100659</b>						
Client ID: <b>PBW</b>	Batch ID: <b>50590</b>	TestNo: <b>SM2540D</b>	Analysis Date: <b>6/3/2015</b>	SeqNo: <b>2013737</b>							
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: <b>LCS-50590</b>	SampType: <b>LCS</b>	TestCode: <b>160.2_2540D</b>	Units: <b>mg/L</b>	Prep Date: <b>6/3/2015</b>	RunNo: <b>100659</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>50590</b>	TestNo: <b>SM2540D</b>	Analysis Date: <b>6/3/2015</b>	SeqNo: <b>2013738</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter)	949.000	10	1000	0	94.9	80	120				

Sample ID: <b>N015866-001A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>160.2_2540D</b>	Units: <b>mg/L</b>	Prep Date: <b>6/3/2015</b>	RunNo: <b>100659</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>50590</b>	TestNo: <b>SM2540D</b>	Analysis Date: <b>6/3/2015</b>	SeqNo: <b>2013740</b>							
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:**

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  - E Value above quantitation range
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  - H Holding times for preparation or analysis exceeded
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**CLIENT:** CH2MHill  
**Work Order:** N015882  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 160.5\_2540F\_W**

Sample ID: <b>MB-50593</b>	SampType: <b>MBLK</b>	TestCode: <b>160.5_2540F_</b> Units: <b>m/L</b>	Prep Date: <b>6/3/2015</b>	RunNo: <b>100727</b>							
Client ID: <b>PBW</b>	Batch ID: <b>50593</b>	TestNo: <b>SM2540F</b>	Analysis Date: <b>6/3/2015</b>	SeqNo: <b>2019893</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Settleable Matter	ND	0.010									

**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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**Work Order:** N015882  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 1664\_HEM\_W**

Sample ID: <b>MB-50622</b>	SampType: <b>MBLK</b>	TestCode: <b>1664_HEM_W</b> Units: <b>mg/L</b>					Prep Date: <b>6/8/2015</b>			RunNo: <b>100694</b>		
Client ID: <b>PBW</b>	Batch ID: <b>50622</b>	TestNo: <b>EPA 1664_H</b>					Analysis Date: <b>6/8/2015</b>			SeqNo: <b>2017256</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Oil & Grease                                      ND                      4.0

Sample ID: <b>LCS-50622</b>	SampType: <b>LCS</b>	TestCode: <b>1664_HEM_W</b> Units: <b>mg/L</b>					Prep Date: <b>6/8/2015</b>			RunNo: <b>100694</b>		
Client ID: <b>LCSW</b>	Batch ID: <b>50622</b>	TestNo: <b>EPA 1664_H</b>					Analysis Date: <b>6/8/2015</b>			SeqNo: <b>2017257</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Oil & Grease                                      32.500                      4.0                      40.00                      0                      81.2                      78                      114

Sample ID: <b>N015882-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>1664_HEM_W</b> Units: <b>mg/L</b>					Prep Date: <b>6/8/2015</b>			RunNo: <b>100694</b>		
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>50622</b>	TestNo: <b>EPA 1664_H</b>					Analysis Date: <b>6/8/2015</b>			SeqNo: <b>2017259</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Oil & Grease                                      34.574                      4.3                      42.55                      0                      81.2                      78                      114

Sample ID: <b>N015882-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>1664_HEM_W</b> Units: <b>mg/L</b>					Prep Date: <b>6/8/2015</b>			RunNo: <b>100694</b>		
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>50622</b>	TestNo: <b>EPA 1664_H</b>					Analysis Date: <b>6/8/2015</b>			SeqNo: <b>2017260</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Oil & Grease                                      34.893                      4.3                      42.55                      0                      82.0                      78                      114                      34.57                      0.919                      18

**Qualifiers:**

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**CLIENT:** CH2MHill  
**Work Order:** N015882  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 200.8\_W\_DRC**

Sample ID: <b>MB-50587</b>	SampType: <b>MBLK</b>	TestCode: <b>200.8_W_DR</b>	Units: <b>µg/L</b>	Prep Date: <b>6/4/2015</b>	RunNo: <b>100673</b>						
Client ID: <b>PBW</b>	Batch ID: <b>50587</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>6/4/2015</b>	SeqNo: <b>2015620</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	ND	0.50									

Sample ID: <b>LCS-50587</b>	SampType: <b>LCS</b>	TestCode: <b>200.8_W_DR</b>	Units: <b>µg/L</b>	Prep Date: <b>6/4/2015</b>	RunNo: <b>100673</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>50587</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>6/4/2015</b>	SeqNo: <b>2015621</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	9.341	0.50	10.00	0	93.4	85	115				

Sample ID: <b>N015882-001H-MS</b>	SampType: <b>MS</b>	TestCode: <b>200.8_W_DR</b>	Units: <b>µg/L</b>	Prep Date: <b>6/4/2015</b>	RunNo: <b>100673</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>50587</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>6/4/2015</b>	SeqNo: <b>2015625</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	8.710	0.50	10.00	0	87.1	75	125				

Sample ID: <b>N015882-001H-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>200.8_W_DR</b>	Units: <b>µg/L</b>	Prep Date: <b>6/4/2015</b>	RunNo: <b>100673</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>50587</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>6/4/2015</b>	SeqNo: <b>2015626</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	8.330	0.50	10.00	0	83.3	75	125	8.710	4.46	20	

**Qualifiers:**

- |  |  |  |
|--|--|--|
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**CLIENT:** CH2MHill  
**Work Order:** N015882  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 200.8\_W\_SFPP**

Sample ID: <b>MB-50587</b>	SampType: <b>MBLK</b>	TestCode: <b>200.8_W_SFPP</b> Units: <b>µg/L</b>	Prep Date: <b>6/4/2015</b>	RunNo: <b>100673</b>							
Client ID: <b>PBW</b>	Batch ID: <b>50587</b>	TestNo: <b>EPA 200.8</b>	Analysis Date: <b>6/4/2015</b>	SeqNo: <b>2015721</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	2.118	0.50									

Sample ID: <b>LCS-50587</b>	SampType: <b>LCS</b>	TestCode: <b>200.8_W_SFPP</b> Units: <b>µg/L</b>	Prep Date: <b>6/4/2015</b>	RunNo: <b>100673</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>50587</b>	TestNo: <b>EPA 200.8</b>	Analysis Date: <b>6/4/2015</b>	SeqNo: <b>2015722</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	10.112	0.50	10.00	0	101	85	115				B

Sample ID: <b>N015882-001H-MS</b>	SampType: <b>MS</b>	TestCode: <b>200.8_W_SFPP</b> Units: <b>µg/L</b>	Prep Date: <b>6/4/2015</b>	RunNo: <b>100673</b>							
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>50587</b>	TestNo: <b>EPA 200.8</b>	Analysis Date: <b>6/4/2015</b>	SeqNo: <b>2015726</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	4.161	0.50	10.00	0	41.6	75	125				BS

Sample ID: <b>N015882-001H-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>200.8_W_SFPP</b> Units: <b>µg/L</b>	Prep Date: <b>6/4/2015</b>	RunNo: <b>100673</b>							
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>50587</b>	TestNo: <b>EPA 200.8</b>	Analysis Date: <b>6/4/2015</b>	SeqNo: <b>2015727</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	3.825	0.50	10.00	0	38.2	75	125	4.161	8.41	20	BS

Sample ID: <b>MB-50587</b>	SampType: <b>MBLK</b>	TestCode: <b>200.8_W_SFPP</b> Units: <b>µg/L</b>	Prep Date: <b>6/4/2015</b>	RunNo: <b>100702</b>							
Client ID: <b>PBW</b>	Batch ID: <b>50587</b>	TestNo: <b>EPA 200.8</b>	Analysis Date: <b>6/5/2015</b>	SeqNo: <b>2017894</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.50									
Thallium	ND	0.50									
Zinc	ND	10									

**Qualifiers:**

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



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**CLIENT:** CH2MHill  
**Work Order:** N015882  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 200.8\_W\_SFPP**

Sample ID: <b>LCS-50587</b>	SampType: <b>LCS</b>	TestCode: <b>200.8_W_SFPP</b>	Units: <b>µg/L</b>	Prep Date: <b>6/4/2015</b>	RunNo: <b>100702</b>
Client ID: <b>LCSW</b>	Batch ID: <b>50587</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>6/5/2015</b>	SeqNo: <b>2017895</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11.134	0.50	10.00	0	111	85	115				
Thallium	10.717	0.50	10.00	0	107	85	115				
Zinc	93.478	10	100.0	0	93.5	85	115				

Sample ID: <b>N015882-001H-MS</b>	SampType: <b>MS</b>	TestCode: <b>200.8_W_SFPP</b>	Units: <b>µg/L</b>	Prep Date: <b>6/4/2015</b>	RunNo: <b>100702</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>50587</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>6/5/2015</b>	SeqNo: <b>2017922</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.305	0.50	10.00	0	103	75	125				
Thallium	10.461	0.50	10.00	0	105	75	125				
Zinc	75.028	10	100.0	0	75.0	75	125				

Sample ID: <b>N015882-001H-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>200.8_W_SFPP</b>	Units: <b>µg/L</b>	Prep Date: <b>6/4/2015</b>	RunNo: <b>100702</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>50587</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>6/5/2015</b>	SeqNo: <b>2017923</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.362	0.50	10.00	0	104	75	125	10.31	0.554	20	
Thallium	10.567	0.50	10.00	0	106	75	125	10.46	1.01	20	
Zinc	75.055	10	100.0	0	75.1	75	125	75.03	0.0366	20	

**Qualifiers:**

- |  |  |  |
|--|--|--|
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**CLIENT:** CH2MHill  
**Work Order:** N015882  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 245.1\_W\_LL**

Sample ID: <b>MB-50586</b>	SampType: <b>MBLK</b>	TestCode: <b>245.1_W_LL</b>	Units: <b>µg/L</b>	Prep Date: <b>6/3/2015</b>	RunNo: <b>100651</b>						
Client ID: <b>PBW</b>	Batch ID: <b>50586</b>	TestNo: <b>EPA 245.1</b>		Analysis Date: <b>6/3/2015</b>	SeqNo: <b>2013556</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.050									

Sample ID: <b>LCS-50586</b>	SampType: <b>LCS</b>	TestCode: <b>245.1_W_LL</b>	Units: <b>µg/L</b>	Prep Date: <b>6/3/2015</b>	RunNo: <b>100651</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>50586</b>	TestNo: <b>EPA 245.1</b>		Analysis Date: <b>6/3/2015</b>	SeqNo: <b>2013557</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.489	0.050	2.500	0	99.6	85	115				

Sample ID: <b>N015882-001H-MS</b>	SampType: <b>MS</b>	TestCode: <b>245.1_W_LL</b>	Units: <b>µg/L</b>	Prep Date: <b>6/3/2015</b>	RunNo: <b>100651</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>50586</b>	TestNo: <b>EPA 245.1</b>		Analysis Date: <b>6/3/2015</b>	SeqNo: <b>2013558</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.581	0.050	2.500	0.03350	102	75	125				

Sample ID: <b>N015882-001H-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>245.1_W_LL</b>	Units: <b>µg/L</b>	Prep Date: <b>6/3/2015</b>	RunNo: <b>100651</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>50586</b>	TestNo: <b>EPA 245.1</b>		Analysis Date: <b>6/3/2015</b>	SeqNo: <b>2013559</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.556	0.050	2.500	0.03350	101	75	125	2.581	0.970	20	

**Qualifiers:**

- |  |  |  |
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**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 7199\_WPGE**

Sample ID: <b>MB-R100664</b>		SampType: <b>MBLK</b>		TestCode: <b>7199_WPGE</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>100664</b>		
Client ID: <b>PBW</b>		Batch ID: <b>R100664</b>		TestNo: <b>EPA 7199</b>				Analysis Date: <b>6/3/2015</b>		SeqNo: <b>2014498</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Hexavalent Chromium	0.043	0.20									J	

Sample ID: <b>LCS-R100664</b>		SampType: <b>LCS</b>		TestCode: <b>7199_WPGE</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>100664</b>		
Client ID: <b>LCSW</b>		Batch ID: <b>R100664</b>		TestNo: <b>EPA 7199</b>				Analysis Date: <b>6/3/2015</b>		SeqNo: <b>2014499</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Hexavalent Chromium	4.984	0.20	5.000	0	99.7	90	110					

Sample ID: <b>N015882-001E-DUP</b>		SampType: <b>DUP</b>		TestCode: <b>7199_WPGE</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>100664</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>R100664</b>		TestNo: <b>EPA 7199</b>				Analysis Date: <b>6/3/2015</b>		SeqNo: <b>2014501</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Hexavalent Chromium	0.166	0.20						0.1685	0	20	J	

Sample ID: <b>N015882-001E-MS</b>		SampType: <b>MS</b>		TestCode: <b>7199_WPGE</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>100664</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>R100664</b>		TestNo: <b>EPA 7199</b>				Analysis Date: <b>6/3/2015</b>		SeqNo: <b>2014502</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Hexavalent Chromium	1.189	0.20	1.000	0.1685	102	85	115					

Sample ID: <b>N015882-001E-MSD</b>		SampType: <b>MSD</b>		TestCode: <b>7199_WPGE</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>100664</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>R100664</b>		TestNo: <b>EPA 7199</b>				Analysis Date: <b>6/3/2015</b>		SeqNo: <b>2014503</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Hexavalent Chromium	1.212	0.20	1.000	0.1685	104	85	115	1.189	1.88	20		

**Qualifiers:**

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## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_W\_FP\_SFPP**

Sample ID: <b>MB-50626</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_W_FP_</b>	Units: <b>ug/L</b>	Prep Date: <b>6/9/2015</b>	RunNo: <b>100721</b>						
Client ID: <b>PBW</b>	Batch ID: <b>50626</b>	TestNo: <b>EPA 8015B</b>	<b>EPA 3510C</b>	Analysis Date: <b>6/10/2015</b>	SeqNo: <b>2018855</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Diesel (C13-C22)	ND	25									
TPH-Oil (C23-C36)	ND	25									
Surr: Octacosane	67.964		80.00		85.0	26	152				
Surr: p-Terphenyl	70.672		80.00		88.3	57	132				

**Qualifiers:**

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## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_W\_SFPPTOT**

Sample ID: <b>MB-R100721</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_W_SFP</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>100721</b>						
Client ID: <b>PBW</b>	Batch ID: <b>R100721</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>6/10/2015</b>	SeqNo: <b>2018861</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total TPH	ND	50									

**Qualifiers:**

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## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015GAS\_WSFPP**

Sample ID: <b>E150609LCS</b>	SampType: <b>LCS</b>	TestCode: <b>8015GAS_WS</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>100717</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>E15VW038</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>6/9/2015</b>	SeqNo: <b>2018749</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	923.000	50	1000	0	92.3	67	136				
Surr: Chlorobenzene - d5	51690.000		50000		103	74	138				

Sample ID: <b>E150609MB1</b>	SampType: <b>MBLK</b>	TestCode: <b>8015GAS_WS</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>100717</b>						
Client ID: <b>PBW</b>	Batch ID: <b>E15VW038</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>6/9/2015</b>	SeqNo: <b>2018750</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	ND	50									
Surr: Chlorobenzene - d5	53758.000		50000		108	74	138				

Sample ID: <b>N015882-001BMS</b>	SampType: <b>MS</b>	TestCode: <b>8015GAS_WS</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>100717</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E15VW038</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>6/9/2015</b>	SeqNo: <b>2018754</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	879.000	50	1000	0	87.9	67	136				
Surr: Chlorobenzene - d5	50948.000		50000		102	74	138				

Sample ID: <b>N015882-001BMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015GAS_WS</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>100717</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E15VW038</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>6/9/2015</b>	SeqNo: <b>2018755</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	838.000	50	1000	0	83.8	67	136	879.0	4.78	30	
Surr: Chlorobenzene - d5	47996.000		50000		96.0	74	138		0	0	

**Qualifiers:**

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**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_SFPP**

Sample ID: <b>P150604LCS2</b>	SampType: <b>LCS</b>	TestCode: <b>8260_WP_SF</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>100682</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>P15VW089</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>6/5/2015</b>	SeqNo: <b>2016301</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	20.510	0.50	20.00	0	103	69	133				
1,2-Dichloroethane	20.980	0.50	20.00	0	105	69	132				
Benzene	20.740	1.0	20.00	0	104	81	122				
Ethylbenzene	20.390	1.0	20.00	0	102	73	127				
m,p-Xylene	41.790	1.0	40.00	0	104	76	128				
MTBE	21.120	1.0	20.00	0	106	65	123				
o-Xylene	20.680	1.0	20.00	0	103	80	121				
Tert-Butanol	124.880	5.0	100.0	0	125	70	130				
Toluene	20.980	2.0	20.00	0	105	77	122				
Xylenes, Total	62.470	2.0	60.00	0	104	75	125				
Surr: 1,2-Dichloroethane-d4	25.870		25.00		103	72	119				
Surr: 4-Bromofluorobenzene	25.460		25.00		102	76	119				
Surr: Dibromofluoromethane	25.800		25.00		103	85	115				
Surr: Toluene-d8	25.700		25.00		103	81	120				

Sample ID: <b>N015882-001GMS</b>	SampType: <b>MS</b>	TestCode: <b>8260_WP_SF</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>100682</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>P15VW089</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>6/5/2015</b>	SeqNo: <b>2016302</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	20.230	0.50	20.00	0	101	69	133				
1,2-Dichloroethane	21.270	0.50	20.00	0	106	69	132				
Benzene	20.770	1.0	20.00	0	104	81	122				
Ethylbenzene	20.120	1.0	20.00	0	101	73	127				
m,p-Xylene	41.410	1.0	40.00	0.07000	103	76	128				
MTBE	21.500	1.0	20.00	0	108	65	123				
o-Xylene	20.810	1.0	20.00	0	104	80	121				
Tert-Butanol	135.820	5.0	100.0	0	136	70	130				S
Toluene	21.110	2.0	20.00	0	106	77	122				
Xylenes, Total	62.220	2.0	60.00	0	104	75	125				
Surr: 1,2-Dichloroethane-d4	25.760		25.00		103	72	119				

**Qualifiers:**

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**Work Order:** N015882  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_SFPP**

Sample ID: <b>N015882-001GMS</b>	SampType: <b>MS</b>	TestCode: <b>8260_WP_SF</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>100682</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>P15VW089</b>	TestNo: <b>EPA 8260B</b>	Analysis Date: <b>6/5/2015</b>	SeqNo: <b>2016302</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	25.590		25.00		102	76	119				
Surr: Dibromofluoromethane	25.430		25.00		102	85	115				
Surr: Toluene-d8	26.010		25.00		104	81	120				

Sample ID: <b>N015882-001GMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260_WP_SF</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>100682</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>P15VW089</b>	TestNo: <b>EPA 8260B</b>	Analysis Date: <b>6/5/2015</b>	SeqNo: <b>2016303</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	19.990	0.50	20.00	0	100	69	133	20.23	1.19	20	
1,2-Dichloroethane	21.040	0.50	20.00	0	105	69	132	21.27	1.09	20	
Benzene	20.340	1.0	20.00	0	102	81	122	20.77	2.09	20	
Ethylbenzene	19.560	1.0	20.00	0	97.8	73	127	20.12	2.82	20	
m,p-Xylene	40.600	1.0	40.00	0.07000	101	76	128	41.41	1.98	20	
MTBE	21.170	1.0	20.00	0	106	65	123	21.50	1.55	20	
o-Xylene	20.110	1.0	20.00	0	101	80	121	20.81	3.42	20	
Tert-Butanol	134.330	5.0	100.0	0	134	70	130	135.8	1.10	20	S
Toluene	20.620	2.0	20.00	0	103	77	122	21.11	2.35	20	
Xylenes, Total	60.710	2.0	60.00	0	101	75	125	62.22	2.46	20	
Surr: 1,2-Dichloroethane-d4	26.230		25.00		105	72	119		0		
Surr: 4-Bromofluorobenzene	25.420		25.00		102	76	119		0		
Surr: Dibromofluoromethane	25.520		25.00		102	85	115		0		
Surr: Toluene-d8	25.630		25.00		103	81	120		0		

Sample ID: <b>P150604MB6</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_SF</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>100682</b>						
Client ID: <b>PBW</b>	Batch ID: <b>P15VW089</b>	TestNo: <b>EPA 8260B</b>	Analysis Date: <b>6/5/2015</b>	SeqNo: <b>2016304</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	ND	0.50									
1,2-Dichloroethane	ND	0.50									
Benzene	ND	1.0									

**Qualifiers:**

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



**ASSET LABORATORIES**  
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

CALIFORNIA  
 11060 Artesia Blvd., Ste C, Cerritos, CA 90703  
 P: 562.219.7435 F: 562.219.7436

NEVADA  
 3151 W. Post Rd., Las Vegas, NV 89118  
 P: 702.307.2659 F: 702.307.2691

"Serving Clients with Passion and Professionalism"

**CLIENT:** CH2MHill  
**Work Order:** N015882  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_SFPP**

Sample ID: <b>P150604MB6</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_SF</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>100682</b>						
Client ID: <b>PBW</b>	Batch ID: <b>P15VW089</b>	TestNo: <b>EPA 8260B</b>	Analysis Date: <b>6/5/2015</b>	SeqNo: <b>2016304</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	ND	1.0									
m,p-Xylene	0.070	1.0									J
MTBE	ND	1.0									
o-Xylene	ND	1.0									
Tert-Butanol	ND	5.0									
Toluene	ND	2.0									
Xylenes, Total	ND	2.0									
Surr: 1,2-Dichloroethane-d4	26.590		25.00		106	72	119				
Surr: 4-Bromofluorobenzene	24.660		25.00		98.6	76	119				
Surr: Dibromofluoromethane	26.360		25.00		105	85	115				
Surr: Toluene-d8	25.230		25.00		101	81	120				

**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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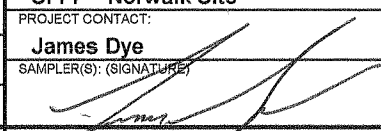
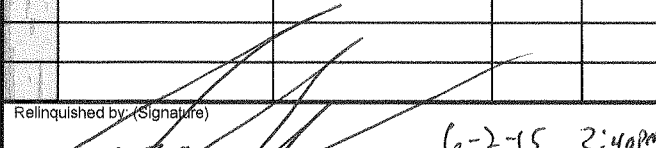
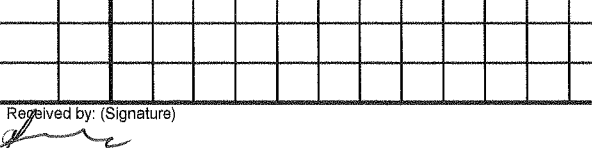




"Serving Clients with Passion and Professionalism"



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

**CHAIN OF CUSTODY RECORD**

DATE: 6/2/15  
 PAGE: 1 OF 1

LABORATORY CLIENT: <b>Kinder Morgan Energy Partners, Attn: Steve Defibaugh</b>				CLIENT PROJECT NAME/NUMBER: <b>SFPP - Norwalk Site</b>				P.O. NO.:										
ADDRESS: <b>1100 Town &amp; Country Road</b>				PROJECT CONTACT: <b>James Dye</b>				QUOTE NO.:										
CITY: <b>Orange, CA 92868</b>				SAMPLER(S): (SIGNATURE) 				LAB USE ONLY <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>										
TEL: <b>714-560-4802</b>		FAX: <b>714-560-4601</b>		E-MAIL: <b>james.dye@kindermorgan.com</b>														
TURNAROUND TIME <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input checked="" type="checkbox"/> 48HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS				<b>REQUESTED ANALYSIS</b>														
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) <input type="checkbox"/> RWQCB REPORTING <input type="checkbox"/> ARCHIVE SAMPLES UNTIL ___/___/___																		
SPECIAL INSTRUCTIONS <b>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.</b>																		
LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING		MAT- RIX	NO. OF CONT.	Oil & Grease (1664)	TPH-g, toh-d, and TPH-oil (8015B)	Settleable Solids (2540F)	Total Suspended Solids (2540D)	Phenol (420.1)	BTEX, 1,1-DCA, 1,2-DCA (8260B)	MTBE and TBA, (8260B) 48HR TAT	Cu, Pb, Ti, and Zn (200.8)	Se (200.8) 48HR TAT; Hg (245.1) 48 HR TA	Cr VI (7199)	Comments	
			DATE	TIME														
	EFF- 06-02	Effluent	6/2/15	0910	WW	17	X	X	X	X	X	X	X	X	X	X	X	NO15882-1
																		Monthly
Relinquished by: (Signature) 						Received by: (Signature) 						Date: 6-2-15		Time: 3:40PM				
Relinquished by: (Signature) 						Received by: (Signature) 						Date: 6/3/15		Time: 0800				
Relinquished by: (Signature) 						Received by: (Signature) 						Date:		Time:				

Revised: 01/31/11

3-9°C  
16+2

# ASSET Laboratories

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

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

Cooler Received/Opened On: 6/3/2015 Workorder: N015882  
 Rep sample Temp (Deg C): 3.9 IR Gun ID: 2  
 Temp Blank:  Yes  No  
 Carrier name: Golden State Overnight  
 Last 4 digits of Tracking No.: 1420 Packing Material Used: Bubble Wrap  
 Cooling process:  Ice  Ice Pack  Dry Ice  Other  None

## Sample Receipt Checklist

- |   |   |                             |   |
|---|---|-----------------------------|---|
| 1. Shipping container/cooler in good condition?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/>            |
| 2. Custody seals intact, signed, dated on shipping container/cooler?                    | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles?  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 5. Sampler's name present in COC?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 6. Chain of custody signed when relinquished and received?                              | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 7. Chain of custody agrees with sample labels?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 8. Samples in proper container/bottle?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 9. Sample containers intact?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 10. Sufficient sample volume for indicated test?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 11. All samples received within holding time?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 12. Temperature of rep sample or Temp Blank within acceptable limit?                    | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/>                     |
| 13. Water - VOA vials have zero headspace?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/>                     |
| 14. Water - pH acceptable upon receipt?<br>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?<br>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: JPG For: [Signature] 6/3/2015

Reviewed By: [Signature] 06/09/14





**CHAIN OF CUSTODY RECORD**

Contact us:  
 Nevada: 3151 W. Post Road, Las Vegas, NV 89118  
 P: 702.307.2659 F: 702.307.2691  
 California: 11060 Artesia Blvd., Ste C, Cerritos, CA 90703  
 P: 562.219.7435 F: 562.219.7436  
 www.assetlaboratories.com

Client: <b>Asset Labs</b>		Report to:		Bill to:		EDD Requirement		QA/QC		Sample Receipt Condition	
Address:		Company:		Address:		Excel EDD <input type="checkbox"/>		RTNE <input type="checkbox"/>		Y N	
Address:		Email:				Geotracker <input type="checkbox"/>		RWQCB <input type="checkbox"/>		1. Chilled <input type="checkbox"/>	
Address:						Labspec <input type="checkbox"/>		CalTrans <input type="checkbox"/>		2. Headspace <input type="checkbox"/>	
Phone:		Fax:		Address:		Others <input type="checkbox"/>		Level III <input type="checkbox"/>		3. Container Intact <input type="checkbox"/>	
Submitted By: <b>Molky Brar</b>				Email to:		Specify:		LEVEL IV <input type="checkbox"/>		4. Seal Present <input type="checkbox"/>	
Title:		Phone:		Fax:		Global ID:		Regulatory <input type="checkbox"/>		5. IR number	
Signature:		Date:		Sampled By:		Matrix		Analyses Requested		Specify State:	
I hereby authorize ASSET Labs to perform the tests indicated below:						Ground <input type="checkbox"/>				6. Method of Cooling	
Project Name:						Sediment <input type="checkbox"/>				Sample Temp:	
<b>SPPP - Norwalk site</b>						Potable <input type="checkbox"/>				7. Tracking No.	
Project Number:						Soil <input type="checkbox"/>				8. Courier:	
						NPDES <input type="checkbox"/>				9. Remarks	
						Other Solid <input type="checkbox"/>					
						Surface <input type="checkbox"/>					

Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others	Remarks
1		<b>EFF-06-02</b>	<b>6/2/15</b>	<b>09:10</b>	<b>X</b>		<b>X Phenols (420.1)</b>	<b>E/G/S</b>
2								
3								
4								
5								
6								
7								
8								
9								
10								

Relinquished by (Signature and Printed Name):	Date / Time:	Received by (Signature and Printed Name):	Date / Time:	<b>Turn Around Time (TAT)</b> <input type="checkbox"/> A < 24 Hrs or Same Day TAT <input type="checkbox"/> B = Next Workday <input type="checkbox"/> C = 2 Workdays <input type="checkbox"/> D = 3 Workdays <input type="checkbox"/> E = Routine 5-7 Workdays <b>TAT Starts at 8 AM the following day if samples received after 3:00 PM.</b>	<b>Special Instruction:</b>
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:		

**Terms**  
 1. All samples will be disposed in 45 days upon receipt and records will be destroyed in 5 years upon submission of final report.  
 2. Regular TAT is 5-7 business days, surcharges will apply for rush analysis:  
 Less than 24 Hrs = 200% Next Day = 100% 2 Workdays = 50% 3 Workdays = 35% 4 Workdays = 20%  
 3. Custom EDD formats will be an additional 3% of the total project price.  
 4. Add 10% surcharge for Level III Data Packages, 15% for Level IV Data Packages. Surcharge applied on total project price.

5. Trip Blanks and Equipment Blanks are billable sample.  
 6. ASSET Laboratories is not responsible for samples collected using incorrect methodology.  
 7. Terms are net 30 Days.  
 8. All reports are submitted in electronic format. Please inform ASSET Laboratories if hard copy of report is needed.  
 9. For subcontract analysis, TAT and Surcharges will vary.

**Preservatives:**  
 H = HCl N = HNO3 S = H2SO4 C = 4°C  
 Z = Zn(AC)2 O = NaOH T = Na2SiO3

**Container Type:**  
 T = Tube V = VOA P = Pint  
 J = Jar B = Tedlar G = Glass  
 M = Metal P = Plastic C = Can

# ASSET Laboratories

## WORK ORDER Summary

03-Jun-15

**WorkOrder:** N015882

**Client ID:** CH2HI03

**Project:** SFPP - Norwalk Site

**QC Level:** RTNE

**Date Received:** 6/3/2015

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

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N015882-001A	EFF-06-02	6/2/2015 9:10:00 AM	6/10/2015	Wastewater		Oil and Grease Sample Prep	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/10/2015		EPA 1664 _HEM	Hexane Extractable Material (HEM)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N015882-001B			6/10/2015		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VW
N015882-001C			6/10/2015		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/10/2015		EPA 8015B	TPH EXTRACTABLE BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/10/2015		EPA 8015B	Total TPH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N015882-001D			6/10/2015		SM2540F	SETTLEABLE MATTER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N015882-001E			6/10/2015		EPA 7199	Hexavalent Chromium by IC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N015882-001F			6/10/2015		EPA 420.1	PHENOLICS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N015882-001G			6/5/2015		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VW
N015882-001H			6/5/2015			AQPREP TOTAL METALS: ICP, FLAA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/5/2015		EPA 200.8	TOTAL METALS BY COLLISION/REACTION CELL ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/5/2015		EPA 200.8	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/5/2015		EPA 245.1	MERCURY BY COLD VAPOR TECHNIQUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/5/2015			MERCURY PREP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N015882-001I			6/10/2015		SM2540D	TOTAL NON-FILTERABLE RESIDUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/10/2015			Total Suspended Solids Prep	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N015882-002A	FOLDER		6/5/2015		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



800-322-5555 www.gso.com

**Ship From**

ASSET LABORATORIES  
MOLKY BRAR  
11060 ARTESIA BLVD., STE. C  
CERRITOS, CA 90703

Tracking #: 528131420

**CPS**



**Ship To**

ATL INC  
MARLON CARTIN  
3151 W. POST RD.,  
LAS VEGAS, NV 89118

**LVS**  
**LAS VEGAS**

**A**

**COD:** \$0.00

**Weight:** 0 lb(s)

**Reference:**

**C89102A**

**Delivery Instructions:**

HOLD FOR PICK UP

**Signature Type:** REQUIRED



38447965

Print Date: 6/2/2015 4:37 PM

Package 1 of 2

**LABEL INSTRUCTIONS:**

**Do not copy or reprint this label for additional shipments - each package must have a unique barcode.**

Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer. Securely attach this label to your package, do not cover the barcode.

3.9°C IR#2  
8:00 AM



## American Environmental Testing Laboratory Inc.

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

### Ordered By

ASSET Laboratories  
3151-3153 W Post Road  
Las Vegas, NV 89118-

Number of Pages 2  
Date Received 06/03/2015  
Date Reported 06/11/2015

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

Job Number	Order Date	Client
77181	06/03/2015	ASSET

Project ID: N015882  
Project Name: PO# N15882A  
Site: SFPP-Norwalk Site

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

Checked By: \_\_\_\_\_

Approved By: \_\_\_\_\_

Cyrus Razmara, Ph.D.  
Laboratory Director



77181

**CHAIN OF CUSTODY RECORD**

Client: <b>Asset Labs</b>		Report to:	Bill to:	EDD Requirement		QA/QC		Sample Receipt Condition	
Address:		Company:	Address:	Excel EDD	<input type="checkbox"/>	RTNE	<input type="checkbox"/>	Y N	
Address:		Email:		Geotracker	<input type="checkbox"/>	RWQCB	<input type="checkbox"/>	1. Chilled <input type="checkbox"/> <input type="checkbox"/>	
Phone:		Fax:	Address:	Labspec	<input type="checkbox"/>	CalTrans	<input type="checkbox"/>	2. Headspace <input type="checkbox"/> <input type="checkbox"/>	
Submitted By: <b>Molky Brar</b>			Email to:	Others	<input type="checkbox"/>	Level III	<input type="checkbox"/>	3. Container Intact <input type="checkbox"/> <input type="checkbox"/>	
Title:		Phone:	Fax:	Specify:		LEVEL IV	<input type="checkbox"/>	4. Seal Present <input type="checkbox"/> <input type="checkbox"/>	
Signature:		Date:	Sampled By:	Regulatory	<input type="checkbox"/>	5. IR number	<input type="checkbox"/>	6. Method of Cooling <input type="checkbox"/> <input type="checkbox"/>	
Project Name:				Global ID:		Specify State:		Sample Temp:	
Project Number:									

Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others	Remarks
1	77181.01	EFF-06-02	6/2/15	09:10	X		X Phenols (420.1)	E/GS
2								
3								
4								
5								
6								
7								
8								
9								
10								

Relinquished by (Signature and Printed Name): <i>[Signature]</i> Murphy A.	Date / Time: 6/3/15 11:10 AM	Received by (Signature and Printed Name): <i>[Signature]</i> Thomas Helms	Date / Time: 6-3-15	<b>Turn Around Time (TAT)</b> <input type="checkbox"/> A < 24 Hrs or Same Day TAT <input type="checkbox"/> B = Next Workday <input type="checkbox"/> C = 2 Workdays <input type="checkbox"/> D = 3 Workdays <input checked="" type="checkbox"/> E = Routine 5-7 Workdays TAT Starts at 8 AM the following day if samples received after 3:00 PM.	<b>Special Instruction:</b>
Relinquished by (Signature and Printed Name):	Date / Time:	Received by (Signature and Printed Name):	Date / Time:		
Relinquished by (Signature and Printed Name): <i>[Signature]</i> Thomas Helms	Date / Time: 6-3-15 17:00	Received by (Signature and Printed Name): <i>[Signature]</i> Sean Sande	Date / Time: 06/03/15 17:00		

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 Less than 24 Hrs = 200% Next Day = 100% 2 Workdays = 50% 3 Workdays = 35% 4 Workdays = 20%  
 3. Custom EDD formats will be an additional 3% of the total project price.  
 4. Add 10% surcharge for Level III Data Packages, 15% for Level IV Data Packages. Surcharge applied on total project price.

5. Trip Blanks and Equipment Blanks are billable sample.  
 6. ASSET Laboratories is not responsible for samples collected using incorrect methodology.  
 7. Terms are net 30 Days.  
 8. All reports are submitted in electronic format. Please inform ASSET Laboratories if hard copy of report is needed.  
 9. For subcontract analysis, TAT and Surcharges will vary.

White = Laboratory Copy  
 Yellow = Customer's Copy

<b>Preservatives:</b>				<b>Container Type:</b>		
H = HCl	N = HNO3	S = H2SO4	C = 4°C	T = Tube	V = VOA	P = Pint
Z = Zn(AC)2	O = NaOH	T = Na2S2O3		J = Jar	B = Tedlar	G = Glass
Others/Specify:				M = Metal	P = Plastic	C = Can







# American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181

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

Page: 1 A

### Ordered By

ASSET Laboratories  
3151-3153 W Post Road  
Las Vegas, NV 89118-

Project ID: N015882  
Date Received 06/03/2015  
Date Reported 06/11/2015

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

Job Number	Order Date	Client
77181	06/03/2015	ASSET

## CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 1 samples with the following specification on 06/03/2015.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers	
77181.01	EFF-06-02	06/02/2015	Aqueous	1	
Method ^ Submethod		Req Date	Priority	TAT	Units
420.1		06/10/2015	2	Normal	mg/L

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

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.  
Laboratory Director



# American Environmental Testing Laboratory Inc.

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

## ANALYTICAL RESULTS

### Ordered By

ASSET Laboratories  
 3151-3153 W Post Road  
 Las Vegas, NV 89118-

### Site

SFPP-Norwalk Site

Telephone: (702)307-2659

Attn: Marlon Cartin

Page: 2

Project ID: N015882

Project Name: PO# N15882A

AETL Job Number	Submitted	Client
77181	06/03/2015	ASSET

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

QC Batch No: 060515-1

Our Lab I.D.		Method Blank	77181.01			
Client Sample I.D.			EFF-06-02			
Date Sampled			06/02/2015			
Date Prepared		06/05/2015	06/05/2015			
Preparation Method		420.1	420.1			
Date Analyzed		06/05/2015	06/05/2015			
Matrix		Aqueous	Aqueous			
Units		mg/L	mg/L			
Dilution Factor		1	1			
Analytes	MDL	PQL	Results	Results		
Phenolic compounds as phenol	0.15	0.30	ND	ND		

## QUALITY CONTROL REPORT

QC Batch No: 060515-1; Dup or Spiked Sample: 77178.01; LCS: Clean Water; QC Prepared: 06/05/2015; QC Analyzed: 06/05/2015;

Units: mg/L

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Phenol	0.00	0.500	0.422	84.4	0.500	0.426	85.2	<1	80-120	<15

QC Batch No: 060515-1; Dup or Spiked Sample: 77178.01; LCS: Clean Water; QC Prepared: 06/05/2015; QC Analyzed: 06/05/2015;

Units: mg/L

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Phenol	0.500	0.403	80.6	0.500	0.412	82.4	2.2	80-120	<20



## American Environmental Testing Laboratory Inc.

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

### Data Qualifiers and Descriptors

#### *Data Qualifier:*

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

#### *Definition:*

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



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

### Data Qualifiers and Descriptors

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

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# Appendix B

## Waste Manifests

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number C A T O B 0 0 3 3 9 6 2	2. Page 1 of 1	3. Emergency Response Phone 800-424-9300	4. Manifest Tracking Number <b>013863845 JJK</b>					
5. Generator's Name and Mailing Address SFPP, LP 1100 Town & Country Rd Orange CA 92668 Generator's Phone: 714 560-4873		Att: Karina Hankins		Generator's Site Address (if different than mailing address) SFPP, L.P. Norwalk Station 15308 Norwalk Blvd Norwalk CA 90651						
6. Transporter 1 Company Name Environmental Logistics, Inc.				U.S. EPA ID Number C A R 0 0 0 1 7 2 4 8 0						
7. Transporter 2 Company Name				U.S. EPA ID Number						
8. Designated Facility Name and Site Address Crosby & Overton 1830 W. 17th Street Long Beach CA 90813 Facility's Phone: 562 432-5345				U.S. EPA ID Number C A D 0 2 8 4 0 9 0 1 9						
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers No. Type		11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes		
	X	HA3077, Hazardous waste, solid, n.o.s., (benzene), 9, PGIII		3 DM		900	P	0018	352	
	2.									
	3.	THE REFERENCED WASTE WAS RECEIVED, HANDLED AND STORED FOR SUBSEQUENT DISPOSAL, TREATMENT OR REUSE BY CROSBY & OVERTON, INC. OPERATES THE FACILITY PERMITS GRANTED TO THEM, BY THE DEPARTMENT OF TOXIC SUBSTANCE CONTROL TOGETHER WITH THE ENVIRONMENTAL PROTECTION AGENCY IN ACCORDANCE WITH THE PROVISIONS OF THE RESOURCE CONSERVATION AND RECOVERY ACT OF 1976 TOGETHER WITH APPLICABLE FEDERAL AND STATE REGULATIONS. CROSBY & OVERTON HAS ALL OF THE NECESSARY PERMITS TO ACCEPT THE REFERENCED WASTE AND ALL THE WASTE HAS BEEN HANDLED ACCORDINGLY								
	4.									
14. Special Handling Instructions and Additional Information Spent Vapor Carbon - 87943 ERG#171 Invoice #179755 3X50 ID115170										
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.										
Generator's/Offero's Printed/Typed Name Jeff Orr				Signature [Signature]				Month Day Year 11/12/15		
TRANSPORTER INTL	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit:		Date leaving U.S.:					
	17. Transporter Acknowledgment of Receipt of Materials		Transporter 1 Printed/Typed Name Steve McDonald 136		Signature [Signature]		Month Day Year 11/12/15			
Transporter 2 Printed/Typed Name		Signature		Month Day Year						
DESIGNATED FACILITY	18. Discrepancy									
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection									
	18b. Alternate Facility (or Generator)				Manifest Reference Number:		U.S. EPA ID Number			
	Facility's Phone:									
18c. Signature of Alternate Facility (or Generator)							Month Day Year			
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)										
1. H111		2.		3.		4.				
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a										
Printed/Typed Name Suzanne Moore				Signature [Signature]				Month Day Year 11/18/15		

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>CAT080033962</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800-524-9136</b>	4. Manifest Tracking Number <b>010792299 JJK</b>				
5. Generator's Name and Mailing Address <b>SFPPLP (NORWALK STATION) 1100 TOWN AND COUNTRY RD. ATTN: Karina H. ORANGE CA 92869</b>				Generator's Site Address (if different than mailing address) <b>15306 NORWALK BLVD. NORWALK, CA 90651</b>					
Generator's Phone: <b>714-560-4867</b>									
6. Transporter 1 Company Name <b>PATRIOT ENVIRONMENTAL SERVICES</b>					U.S. EPA ID Number <b>CAD053866794</b>				
7. Transporter 2 Company Name					U.S. EPA ID Number				
8. Designated Facility Name and Site Address <b>DEMENNO KERDOON 2000 N. ALAMEDA ST. COMPTON CA 90222</b>					U.S. EPA ID Number <b>CAT080013352</b>				
Facility's Phone: <b>310-537-7100</b>									
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	No.	Type							
X	1. <b>UN1993, WASTE FLAMMABLE LIQUID, NOS, 3, PG II (GASOLINE)</b>  <b>THIS WASTE STREAM HAS BEEN QUALIFIED FOR RECYCLING/TREATMENTS AT THE DeMENNO / KERDOON FACILITY IN COMPTON, CALIFORNIA. THIS FACILITY HAS THE NECESSARY PERMITS TO RECEIVE YOUR WASTE STREAM AS QUALIFIED. OUR EPA NUMBER IS CAT080013352</b>			<b>001</b>	<b>TT</b>	<b>1400</b>	<b>G</b>	<b>D001</b>	<b>D018</b>
	2.							<b>134</b>	
	3.								
	4.								
14. Special Handling Instructions and Additional Information <b>WEAR APPROPRIATE PPE WHEN HANDLING</b> <b>9b1. PROFILE NUMBER: 384347 (REMEDIATION SYSTEM RINSATE)</b> <b>PATRIOT JOB NUMBER: LB</b> <b>BILL TO SFPPLP</b> <b>ATTN: STEVE DEFIBAUGH</b>									
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
Generator's/Offoror's Printed/Typed Name <b>JAMES DYE</b>					Signature 			Month Day Year <b>04 28 15</b>	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____									
17. Transporter Acknowledgment of Receipt of Materials									
Transporter 1 Printed/Typed Name <b>Jose Velez</b>					Signature 			Month Day Year <b>04 28 15</b>	
Transporter 2 Printed/Typed Name					Signature			Month Day Year	
18. Discrepancy									
18a. Discrepancy/Indication Space <input checked="" type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection <b>Reconciled quantity 114ce with Marc Manifest Reference Number Patriot 5-4-15</b>									
18b. Alternate Facility (or Generator) _____ U.S. EPA ID Number _____									
Facility's Phone: _____									
18c. Signature of Alternate Facility (or Generator) _____								Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)									
1. <b>H1039</b>		2.		3.		4.			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a									
Printed/Typed Name <b>Alfredo</b>					Signature 			Month Day Year <b>10/28/15</b>	



# Certificate of Treatment/Recycling

ISSUED TO

SFPP - NORWALK STATION

FOR

MANIFEST NUMBER 010792299JJK

DATE RECEIVED 4/28/2015

The aqueous waste received on the above manifest will be treated to standards mandated by the FEDERAL CLEAN WATER ACT and to effluent requirements established by the Sanitation Districts of Los Angeles County. Waste treatment and recycling is performed under permits granted to DeMENNO/KERDOON, a California Corporation, by the California Department of Toxic Control (DTSC), in coordination with the Environmental Protection Agency, in accordance with the provisions of the Resource Conservation and Recovery Act (RCRA) of 1976, together with applicable federal and state regulations including but not limited to waste discharge requirements established by the Sanitation Districts of Los Angeles County.

When the above described waste material is accepted by DeMENNO/KERDOON and treated/recycled and the aqueous phase discharged for further treatment by the Sanitation Districts, the certificate holder's responsibility for the waste material is eliminated under both RCRA and Proposition 65. Upon request, DeMENNO/KERDOON will issue this certificate that all waste material has been handled in accordance with applicable permits and the certificate holder's liability has been terminated.

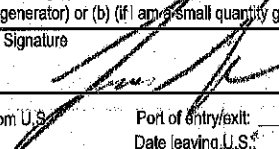
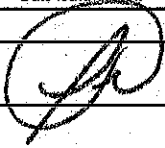
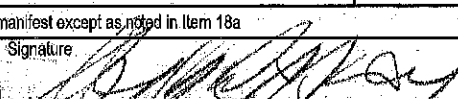
DeMENNO/KERDOON  
"Compliance Through Recycling"

By: \_\_\_\_\_

  
Cyrus Pourhassanian  
Laboratory Manager

Date: 5/20/2015

2000 North Alameda Street  Compton  California  90222  
Telephone (310) 537-7100  Facsimile (310) 639-2946

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>CAT080033982</b>	2. Page 1 of 1	3. Emergency Response Phone <b>800-624-9136</b>	4. Manifest Tracking Number <b>010792336 JJK</b>			
5. Generator's Name and Mailing Address <b>SFPF, LP (NORWALK STATION) 1100 TOWN AND COUNTRY RD. ATTN: Karina H. ORANGE CA 92668</b>			Generator's Site Address (if different than mailing address) <b>15305 NORWALK BLVD. NORWALK, CA 90651</b>					
Generator's Phone: <b>714-560-4887</b>								
6. Transporter 1 Company Name <b>PATRIOT ENVIRONMENTAL SERVICES</b>				U.S. EPA ID Number <b>CAD053866794</b>				
7. Transporter 2 Company Name				U.S. EPA ID Number				
8. Designated Facility Name and Site Address <b>DEMENNO KERDOON 2000 N. ALAMEDA ST. COMPTON CA 90222</b>				U.S. EPA ID Number <b>CAT080013352</b>				
Facility's Phone: <b>310-537-7100</b>								
9a. HM	X	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
			No.	Type			D001	D018
		<b>UN1993, WASTE FLAMMABLE LIQUID, NCS, 3, PG II (GASOLINE)</b>	<b>001</b>	<b>TT</b>	<b>950</b>	<b>G</b>	<b>134</b>	
		2. THIS WASTE STREAM HAS BEEN QUALIFIED FOR RECYCLING/TREATMENTS AT THE DEMENNO / KERDOON FACILITY IN COMPTON, CALIFORNIA. THIS FACILITY HAS THE NECESSARY PERMITS TO RECEIVE YOUR WASTE STREAM AS QUALIFIED. OUR EPA NUMBER IS CAT080013352						
14. Special Handling Instructions and Additional Information <b>WEAR APPROPRIATE PPE WHEN HANDLING</b> <b>9b1.) PROFILE NUMBER: 384347 (REMEDIATION SYSTEM RINSATE)</b> <b>PATRIOT JOB NUMBER: LB</b> <b>BILL TO SFPF,LP</b> <b>ATTN: STEVE DEFRALIGH</b>								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offeror's Printed/Typed Name <b>JAMES DYE</b>			Signature 			Month Day Year <b>5 22 15</b>		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.    Port of Entry/exit: _____ Transporter signature (for exports only): _____    Date leaving U.S.: _____								
17. Transporter Acknowledgment of Receipt of Materials								
Transporter 1 Printed/Typed Name <b>Jose Velasquez</b>			Signature 			Month Day Year <b>5 22 15</b>		
Transporter 2 Printed/Typed Name			Signature			Month Day Year		
18. Discrepancy								
18a. Discrepancy Indication: <input checked="" type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
Reconciled quantity: <b>787</b> with <b>Mark</b> Manifest Reference Number: <b>Patriot, 412</b> on <b>5-29-15</b>								
18b. Alternate Facility (or Generator) <b>1758</b> U.S. EPA ID Number								
Facility's Phone: _____								
18c. Signature of Alternate Facility (or Generator)						Month Day Year		
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1. <b>H039</b>		2.		3.		4. <b>011</b>		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name <b>SOPHIA L P. SCAV...</b>			Signature 			Month Day Year <b>05 22 15</b>		

# Certificate of Treatment/Recycling

ISSUED TO

SFPP - NORWALK STATION

FOR

MANIFEST NUMBER 010792336JJK

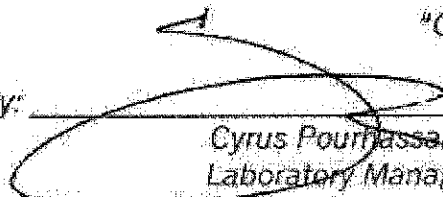
DATE RECEIVED 5/22/2015

The aqueous waste received on the above manifest will be treated to standards mandated by the FEDERAL CLEAN WATER ACT and to effluent requirements established by the Sanitation Districts of Los Angeles County. Waste treatment and recycling is performed under permits granted to DeMENNO/KERDOON, a California Corporation, by the California Department of Toxic Control (DTSC), in coordination with the Environmental Protection Agency, in accordance with the provisions of the Resource Conservation and Recovery Act (RCRA) of 1976, together with applicable federal and state regulations including but not limited to waste discharge requirements established by the Sanitation Districts of Los Angeles County.

When the above described waste material is accepted by DeMENNO/KERDOON and treated/recycled and the aqueous phase discharged for further treatment by the Sanitation Districts, the certificate holder's responsibility for the waste material is eliminated under both RCRA and Proposition 65. Upon request, DeMENNO/KERDOON will issue this certificate that all waste material has been handled in accordance with applicable permits and the certificate holder's liability has been terminated.

DeMENNO/KERDOON  
"Compliance Through Recycling"

By:

  
Cyrus Pourhassanian  
Laboratory Manager

Date: 6/11/2015

2000 North Alameda Street  Compton  California  90222  
Telephone (310) 537-7100  Facsimile (310) 639-2946

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>CAT080033962</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800-624-9136</b>	4. Manifest Tracking Number <b>010792339 JJK</b>					
5. Generator's Name and Mailing Address <b>SFPPL LP (NORWALK STATION) 1100 TOWN AND COUNTRY RD. ATTN: Karla H. ORANGE CA 92868</b> Generator's Phone: <b>714-560-4887</b>				Generator's Site Address (if different than mailing address) <b>15306 NORWALK BLVD. NORWALK, CA 90651</b>						
6. Transporter 1 Company Name <b>PATRIOT ENVIRONMENTAL SERVICES</b>				U.S. EPA ID Number <b>CAD053866794</b>						
7. Transporter 2 Company Name				U.S. EPA ID Number						
8. Designated Facility Name and Site Address <b>DEMENNO KERDOON 2000 N. ALAMEDA ST. COMPTON CA 90222</b> Facility's Phone: <b>310-537-7100</b>				U.S. EPA ID Number <b>CAT080013352</b>						
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	X	1. <b>UN1993, WASTE FLAMMABLE LIQUID, NOS, 3, PG II (GASOLINE) GASOLINE &amp; WATER</b>		001	TT	1300	G	D001 D018 134		
		2. THIS WASTE STREAM HAS BEEN QUALIFIED FOR RECYCLING/TREATMENTS AT THE DEMENNO / KERDOON FACILITY IN COMPTON, CALIFORNIA. THIS FACILITY HAS THE NECESSARY PERMITS TO RECEIVE YOUR WASTE STREAM AS QUALIFIED. OUR EPA NUMBER IS CAT080013352								
		3.								
		4.								
14. Special Handling Instructions and Additional Information <b>WEAR APPROPRIATE PPE WHEN HANDLING 9b1.) PROFILE NUMBER: 384347 (REMEDICATION SYSTEM RINSATE) PATRIOT JOB NUMBER: LB BILL TO SFPPLP ATTN: STEVE DEFRALICH</b>										
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.										
Generator's/Offeror's Printed/Typed Name <b>JAMES DYS</b>				Signature <i>[Signature]</i>		Month Day Year <b>6/16/15</b>				
TRANSPORTER INTL	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____ Transporter signature (for exports only): _____									
	17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name <b>MARCO FURES</b> Signature <i>[Signature]</i> Month Day Year <b>6/16/15</b>									
	Transporter 2 Printed/Typed Name _____ Signature _____ Month Day Year _____									
DESIGNATED FACILITY	18. Discrepancy 18a. Discrepancy Indication Space <input checked="" type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection <b>Reconciled quantity 945 with Mark</b> Manifest Reference Number: <b>Patriot</b> on <b>U-23-15</b>									
	18b. Alternate Facility (or Generator) _____ U.S. EPA ID Number _____ Facility's Phone: _____									
	18c. Signature of Alternate Facility (or Generator) _____ Month Day Year _____									
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. <b>H039</b> 2. _____ 3. _____ 4. _____										
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name <b>Alta de Pa...</b> Signature <b>Alta de Pa...</b> Month Day Year <b>06/16/15</b>										

# Certificate of Treatment/Recycling

ISSUED TO

SFPP - NORWALK STATION

FOR

MANIFEST NUMBER 010792339JJK

DATE RECEIVED 6/16/2015

The aqueous waste received on the above manifest will be treated to standards mandated by the FEDERAL CLEAN WATER ACT and to effluent requirements established by the Sanitation Districts of Los Angeles County. Waste treatment and recycling is performed under permits granted to DeMENNO/KERDOON, a California Corporation, by the California Department of Toxic Control (DTSC), in coordination with the Environmental Protection Agency, in accordance with the provisions of the Resource Conservation and Recovery Act (RCRA) of 1976, together with applicable federal and state regulations including but not limited to waste discharge requirements established by the Sanitation Districts of Los Angeles County.

When the above described waste material is accepted by DeMENNO/KERDOON and treated/recycled and the aqueous phase discharged for further treatment by the Sanitation Districts, the certificate holder's responsibility for the waste material is eliminated under both RCRA and Proposition 65. Upon request, DeMENNO/KERDOON will issue this certificate that all waste material has been handled in accordance with applicable permits and the certificate holder's liability has been terminated.

DeMENNO/KERDOON  
"Compliance Through Recycling"

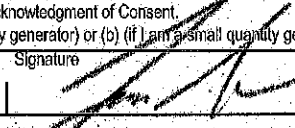
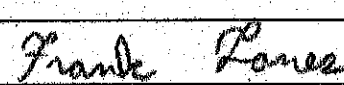

By: \_\_\_\_\_

  
Cyrus Pourhassanian  
Laboratory Manager

Date: 7/7/2015

2000 North Alameda Street  Compton  California  90222  
Telephone (310) 537-7100  Facsimile (310) 639-2946

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number CAT080033862	2. Page 1 of 1	3. Emergency Response Phone 800-424-9300	4. Manifest Tracking Number <b>014581143 JJK</b>			
5. Generator's Name and Mailing Address SFPP, LP 1100 Town & Country Rd Orange CA 92868 Generator's Phone: 714 500-4873				Att: Karina Hankins Generator's Site Address (if different than mailing address) SFPP, LP, Norwalk Station 15308 Norwalk Blvd Norwalk CA 90651				
6. Transporter 1 Company Name Environmental Logistics, Inc.				U.S. EPA ID Number CAR000172460				
7. Transporter 2 Company Name				U.S. EPA ID Number				
8. Designated Facility Name and Site Address Filter Recycling Services, Inc. 180 W. Monte Avenue Bloomington CA 92316 Facility's Phone: 909 421-2012				U.S. EPA ID Number CAD982444081				
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		1. Non-RCRA Hazardous Waste Solid (Filters)	2	DM	300	P	352	
		2. FILTER RECYCLING SERVICES' RIAL TO FACILITY, EPA #CAD98244481 HAS THE APPROPRIATE PERMIT(S) FOR						
		3. AND WILL ACCEPT THIS WASTE AS SHIPPED						
		4.						
14. Special Handling Instructions and Additional Information 1) Groundwater Treatment System upstream Bag Filters - 12031523 Invoice #181705 2X55 One or more of the material listed on this manifest may be recycled as alternative daily cover (ADC), or other method which uses the material in or on the land								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offeror's Printed/Typed Name <i>[Signature]</i>				Signature <i>[Signature]</i>		Month Day Year 7   1   15		
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
	17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name: <i>Steven Mankowski</i> 136 Signature: <i>[Signature]</i> Month Day Year: 7   1   15 Transporter 2 Printed/Typed Name: _____ Signature: _____ Month Day Year: _____							
DESIGNATED FACILITY	18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: _____							
	18b. Alternate Facility (or Generator)						U.S. EPA ID Number	
	Facility's Phone: _____						18c. Signature of Alternate Facility (or Generator) Month Day Year: _____	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1. <i>H141</i>		2.		3.		4.		
20. Designated Facility Owner or Operator. Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name: <i>Sarah Amick</i> Signature: <i>[Signature]</i> Month Day Year: 7   12   15								

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>CAT0800033955</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>(310) 510-7700</b>	4. Manifest Tracking Number <b>008698647 FLE</b>		
5. Generator's Name and Mailing Address <b>SEPP, L.P. (Norwalk Station) Attn: Karina Hankins 1100 Town &amp; Country Rd. Orange, CA 92665</b>			Generator's Site Address (if different than mailing address) <b>SEPP Norwalk Station 15906 Norwalk Blvd. Norwalk, CA 90650</b>				
Generator's Phone: <b>(714) 550-4007</b>							
6. Transporter 1 Company Name <b>BELSHIRE</b>				U.S. EPA ID Number <b>CAR00183913</b>			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address <b>DeManno Kerdoon 2000 N. Alameda St. Compton, CA 90222</b>				U.S. EPA ID Number <b>CAT080013352</b>			
Facility's Phone: <b>(310) 897-7100</b>							
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
<b>X</b>	<b>UN1203, Gasoline Mixture, 3, PG II</b>	<b>002</b>	<b>DM</b>	<b>080</b>	<b>G</b>	<b>134</b>	
2.	THIS WASTE STREAM HAS BEEN QUALIFIED FOR RECYCLING/TREATMENTS AT THE DeMENNO / KERDOON FACILITY IN COMPTON, CALIFORNIA. THIS FACILITY HAS THE NECESSARY PERMITS TO RECEIVE YOUR WASTE STREAM AS QUALIFIED. OUR EPA NUMBER IS CAT080013352						
3.							
4.							
14. Special Handling Instructions and Additional Information <b>ERG# 120 Gasoline &amp; Water</b>						<b>WEAR ALL APPROPRIATE PROTECTIVE CLOTHING</b>	
						<b>BESI: 256200</b>	
						<b>2 X 55</b>	
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offorer's Printed/Typed Name <b>JAMES DYE</b>				Signature 		Month Day Year <b>6 30 15</b>	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name <b>Frank Torres</b>				Signature 		Month Day Year <b>6 30 15</b>	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space: <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number: _____							
18b. Alternate Facility (or Generator)						U.S. EPA ID Number	
Facility's Phone: _____							
18c. Signature of Alternate Facility (or Generator)						Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. <b>H039</b>		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name <b>Hugo Cruz</b>				Signature 		Month Day Year <b>07 02 15</b>	

# Certificate of Treatment/Recycling

ISSUED TO

SFPP - NORWALK STATION

FOR

MANIFEST NUMBER 008698647FLE

DATE RECEIVED 7/2/2015

The aqueous waste received on the above manifest will be treated to standards mandated by the FEDERAL CLEAN WATER ACT and to effluent requirements established by the Sanitation Districts of Los Angeles County. Waste treatment and recycling is performed under permits granted to DeMENNO/KERDOON, a California Corporation, by the California Department of Toxic Control (DTSC), in coordination with the Environmental Protection Agency, in accordance with the provisions of the Resource Conservation and Recovery Act (RCRA) of 1976, together with applicable federal and state regulations including but not limited to waste discharge requirements established by the Sanitation Districts of Los Angeles County.

When the above described waste material is accepted by DeMENNO/KERDOON and treated/recycled and the aqueous phase discharged for further treatment by the Sanitation Districts, the certificate holder's responsibility for the waste material is eliminated under both RCRA and Proposition 65. Upon request, DeMENNO/KERDOON will issue this certificate that all waste material has been handled in accordance with applicable permits and the certificate holder's liability has been terminated.

DeMENNO/KERDOON  
"Compliance Through Recycling"

By: \_\_\_\_\_

*Cyrus Pourhassanian*  
Laboratory Manager

Date: 7/23/2015

2000 North Alameda Street  Compton  California  90222  
Telephone (310) 537-7100  Facsimile (310) 639-2946