



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

August 12, 2016

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 2016  
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 2016 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 12th day of August 2016.  
at 2:36 p.m.

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

\_\_\_\_\_ (signature)

Stephen T. Defibaugh (printed name)

Remediation Project Manager (title)



**CH2M**  
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Mr. Stephen Defibaugh  
Kinder Morgan Energy Partners, L.P.  
1100 Town and Country Road  
Orange, California 92868

August 12, 2016

**Subject:** Effluent Monitoring Report, April 1 to June 30, 2016 (Second Quarter 2016)  
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. (Kinder Morgan), 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 30, 2016.

## Remediation Systems

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. SFPP also operates a horizontal biosparge system to enhance mass removal of free-phase and dissolved-phase hydrocarbon constituents in the south-central area of the site. Further discussion of this system is provided below.

SVE is performed using a blower to remove soil vapors from the south-central and southeastern areas. 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 system 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 processes 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 2016, the GWTS extracted from 13 wells equipped with pneumatically operated top-loading total fluids pumps, including 10 wells in the south-central area (GMW-9, GMW-10, GMW-22, GMW-24, GMW-25, GMW-O-20, GMW-O-23, MW-SF-2, MW-SF-11, and MW-SF-12) and 3 wells in the southeastern area (GMW-36, GMW-O-15, and GMW-O-18). 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).

SFPP installed a horizontal biosparge system in the south-central area of the site in 2015. Construction of the biosparge well is documented in the report titled, *Horizontal Biosparge Well and Soil Vapor Monitoring Probe Completion Report* (CH2M, 2015). The biosparge system injects ambient air into the horizontal biosparge well, BS-01, via a rotary screw air compressor, at a maximum design rate of approximately 500 standard cubic feet per minute (scfm). SFPP's SVE system has an interlock that ensures the biosparge system cannot operate unless the SVE system is operating. Operation of the SVE system reduces the potential for off-gassing of VOCs during biosparge operations. Pilot testing commenced on January 6, 2016, and is anticipated to continue for approximately 1 year in order to evaluate the feasibility of system expansion.

## Summary of Quarterly GWTS Operations

A total of 856,633 gallons of groundwater were extracted from the south-central and southeastern areas during the second quarter 2016. 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 6, 2016, to facilitate gauging and sampling activities for the first semiannual groundwater sampling event. The system was restarted on April 14, 2016.
- The GWTS was turned off on April 14, 2016, to clean out the OWS, sump, equalization tank, and transfer tank. In both cases, the system was restarted on the same day.
- The GWTS shut down due to a power outage on April 25, 2016. The system was restarted later that day.
- The GWTS was turned off on June 9, 2016, for a carbon changeout of the lead LGAC unit and the two polishing vessels. The system was restarted later that day.
- The GWTS was turned off on June 24, 2016, to facilitate groundwater sampling activities associated with biosparge pilot testing. The system remained offline through the end of the second quarter 2016 to facilitate installation of the new OWS.

The amount of free product that accumulated in the product holding tank of the GWTS was estimated to be 27 gallons during the second quarter 2016. Ten gallons of free product were hand bailed from GMW-O-12 during the second quarter 2016. Recovered free product was hauled away and disposed of at Kinder Morgan-approved disposal facilities as described in the Waste Hauling section of this report.

## 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 Asset Laboratories (formerly Advanced Technology Laboratories) in Las Vegas, Nevada, for analysis. Asset Laboratories 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 Table 2. 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

Following is a summary of liquid and solid waste removed from the site during the second quarter 2016.

### Liquids

Approximately 3,900 gallons of flammable liquid waste was removed from the site during the second quarter 2016 by Patriot Environmental Services of 508 East E Street, Wilmington, California 90744. The waste included a mixture of recovered fuel product and water generated from cleaning out the OWS transfer tank, equalization tank, and sump. The waste was transported to Demenno/Kerdoon at 2000 North Alameda Street, Compton, California 90222. Provided below is a summary of quantities removed during each event:

- April 14, 2016 – 2,400 gallons
- June 28, 2016 – 1,500 gallons

Approximately 300 pounds of nonhazardous biosparge condensate water was removed from the site on June 28, 2016, by Patriot Environmental Services. The waste was transported to Demenno/Kerdoon.

### Solids

Approximately 500 pounds of nonhazardous waste solids (treatment system sludge) were removed from the site on April 5, 2016, by Environmental Logistics, Inc., of 140 West Monte Avenue, Bloomington, California 92316. The waste was transported to Filter Recycling Services, Inc., at 180 West Monte Avenue, Bloomington, California 92316.

Approximately 40 pounds of nonhazardous waste solids (rags and gloves) were removed from the site on April 5, 2016, by Environmental Logistics, Inc. The waste was transported to Filter Recycling Services, Inc.

Approximately 60 pounds of nonhazardous waste solids (empty rusted steel drums) were removed from the site on April 5, 2016, by Environmental Logistics, Inc. The waste was transported to Filter Recycling Services, Inc.

Approximately 300 pounds of non-Resource Conservation and Recovery Act (RCRA) hazardous waste solids (bag filters) were removed from the site on April 5, 2016, by Environmental Logistics, Inc. The waste was transported to Filter Recycling Services, Inc.

Approximately 250 pounds of nonhazardous waste solids (bag filters) were removed from the site on June 17, 2016, by Environmental Logistics, Inc. The waste was transported to Filter Recycling Services, Inc.

Approximately 300 pounds of non-RCRA hazardous waste solids (bag filters) were removed from the site on June 17, 2016, by Environmental Logistics, Inc. The waste was transported to Filter Recycling Services, Inc.

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 2016

Table 2 – NPDES Effluent Monitoring, Second Quarter 2016

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

Appendix B – Waste Manifests

Tables

**Table 1. Effluent Flow Rate Measurements, Second Quarter 2016***SFPP Norwalk Pump Station, Norwalk, California*

Date	Average Flow Rate (gpd)
	(Maximum Daily Discharge Limit = 150,000 gpd <sup>a</sup> )
04/01/16	10,861
04/02/16	11,029
04/03/16	11,052
04/04/16	10,988
04/05/16	7,788
04/06/16	0
04/07/16	0
04/08/16	0
04/09/16	0
04/10/16	0
04/11/16	0
04/12/16	0
04/13/16	0
04/14/16	2,432
04/15/16	6,447
04/16/16	6,484
04/17/16	6,395
04/18/16	4,708
04/19/16	5,579
04/20/16	4,913
04/21/16	7,625
04/22/16	11,749
04/23/16	11,596
04/24/16	8,400
04/25/16	7,320
04/26/16	11,130
04/27/16	12,129
04/28/16	12,037
04/29/16	12,008
04/30/16	9,336
05/01/16	9,544
05/02/16	9,952
05/03/16	9,803
05/04/16	10,316
05/05/16	9,916
05/06/16	10,104
05/07/16	10,225
05/08/16	10,392
05/09/16	10,627
05/10/16	11,707
05/11/16	13,519
05/12/16	13,472
05/13/16	15,410
05/14/16	12,020
05/15/16	11,071
05/16/16	10,697
05/17/16	10,115
05/18/16	6,101
05/19/16	3,580
05/20/16	13,260
05/21/16	10,755
05/22/16	9,658
05/23/16	9,807
05/24/16	12,853
05/25/16	18,559
05/26/16	16,844
05/27/16	16,707
05/28/16	15,821

**Table 1. Effluent Flow Rate Measurements, Second Quarter 2016**

*SFPP Norwalk Pump Station, Norwalk, California*

<b>Date</b>	<b>Average Flow Rate (gpd) (Maximum Daily Discharge Limit = 150,000 gpd<sup>a</sup>)</b>
05/29/16	15,533
05/30/16	15,813
05/31/16	15,886
06/01/16	15,953
06/02/16	14,869
06/03/16	15,080
06/04/16	12,529
06/05/16	7,024
06/06/16	15,652
06/07/16	15,622
06/08/16	14,329
06/09/16	10,059
06/10/16	16,478
06/11/16	16,538
06/12/16	16,536
06/13/16	16,372
06/14/16	15,008
06/15/16	10,303
06/16/16	10,143
06/17/16	10,975
06/18/16	4,472
06/19/16	9,888
06/20/16	9,885
06/21/16	10,115
06/22/16	10,510
06/23/16	10,346
06/24/16	5,829
06/25/16	11
06/26/16	5
06/27/16	12
06/28/16	4
06/29/16	8
06/30/16	5

Notes:

<sup>a</sup> California Regional Water Quality Control Board Waste Discharge Requirements

gpd = gallons per day



**Table 2. NPDES Effluent Monitoring, Second Quarter 2016**

*SFPD Norwalk Pump Station, Norwalk, California*

Analyte	Sampling Frequency	Analytical Method	Units	MDL <sup>c</sup>	RL <sup>c</sup>	ML <sup>a</sup>	4/5/2016	5/3/2016	6/14/2016	6/24/2016	Discharge Limits <sup>b</sup>	
											Monthly Average	Daily Maximum
Temperature	Monthly	--	°F	--	--	NE	79.8	73.0	--	77.4	--	86
Oil and Grease	Monthly	EPA 1664A	mg/L	0.76	5	NE	0.71 J	<0.76	<0.68	--	10	15
TPH as Gasoline (C4-C12)	Monthly	EPA 8015B	µg/L	16	50	NE	39 J	32 J	40 J	--	--	--
TPH as Diesel (C13-C22)	Monthly	EPA 8015B	µg/L	16	26	NE	<15	<16	<16	--	--	--
TPH as Oil (C23+)	Monthly	EPA 8015B	µg/L	14	26	NE	<14	26	24 J	--	--	--
Total TPH	Monthly	EPA 8015B	µg/L	16	50	NE	39 J	58	64	--	NE	100
Settleable Solids	Monthly	SM 2540F	mL/L/hr	0.091	0.091	NE	<0.091	<0.088	<0.090	--	0.1	0.3
Total Suspended Solids	Monthly	SM 2540D	mg/L	10	10	NE	<10	<10	<10	--	50	75
Phenolics	Monthly	EPA 420.4	µg/L	10	50	50	<10	19 J	<10	--	300	NE
Benzene	Monthly	EPA 8260B	µg/L	0.036	1.0	2.0	<0.036	<0.036	<0.036	--	1	NE
1,1-Dichloroethane	Monthly	EPA 8260B	µg/L	0.022	0.50	1.0	<0.022	<0.022	<0.022	--	5	NE
1,2-Dichloroethane	Monthly	EPA 8260B	µg/L	0.064	0.50	2.0	<0.064	<0.064	<0.064	--	0.5	NE
Ethylbenzene	Monthly	EPA 8260B	µg/L	0.036	1.0	2.0	<0.036	<0.036	<0.036	--	10	NE
Toluene	Monthly	EPA 8260B	µg/L	0.042	2.0	2.0	<0.042	<0.042	<0.042	--	10	NE
Methyl tertiary butyl ether	Monthly	EPA 8260B	µg/L	0.062	1.0	NE	<0.062	<0.062	<0.062	--	NE	5.0
Tertiary butyl alcohol	Monthly	EPA 8260B	µg/L	0.30	5.0	NE	<0.30	<0.30	<0.30	--	NE	12
Total Xylenes	Monthly	EPA 8260B	µg/L	1.5	2.0	NE	<1.5	<1.5	<1.5	--	10	NE
Copper (total recoverable) (dry weather)	Monthly	EPA 200.8	µg/L	0.26	0.50	0.5	<0.26	<0.26	<0.26	--	16	33
Copper (total recoverable) (wet weather)	Monthly	EPA 200.8	µg/L	0.26	0.50	0.5	<0.26	<0.26	<0.26	--	13	27
Lead (total recoverable) (dry weather)	Monthly	EPA 200.8	µg/L	0.053	0.50	0.5	<0.053	<0.053	<0.053	--	8.2	15
Lead (total recoverable) (wet weather)	Monthly	EPA 200.8	µg/L	0.053	0.50	0.5	<0.053	<0.053	<0.053	--	34	106
Mercury (total recoverable)	Monthly	EPA 245.1	µg/L	0.018	0.050	0.2	<0.018	<0.018	<0.018	--	0.051	0.14
Selenium (total recoverable)	Monthly	EPA 200.8	µg/L	0.070	0.50	2.0	<0.070	<0.070	0.10 J	--	3.4	9.2
Thallium (total recoverable)	Monthly	EPA 200.8	µg/L	0.034	0.50	1.0	0.037 J	<0.034	0.81	--	6.3	13
Zinc (total recoverable) (wet weather) <sup>d</sup>	Monthly	EPA 200.8	µg/L	0.039	10	1.0	0.91 J	<0.039	<0.039	--	79	158
Chromium VI	Monthly	EPA 7199	µg/L	0.066	0.20	0.5	<0.015	<0.066	<0.066	--	8.1	16
pH	Quarterly	--	s.u.	--	--	NE	--	7.0	--	--	--	6.5/8.5
Ammonia Nitrogen (as N)	Quarterly	SM 4500 NH3C	mg/L	0.030	0.13	NE	--	<0.030	--	--	NE	NE
Di-isopropyl Ether	Quarterly	EPA 8260B	µg/L	0.017	1.0	NE	--	<0.017	--	--	NE	NE
Methylene Blue Active Substances	Quarterly	EPA 425.1	mg/L	0.015	0.10	NE	--	<0.015	--	--	NE	NE
Tert-amyl-methyl Ether	Quarterly	EPA 8260B	µg/L	0.039	1.0	NE	--	<0.039	--	--	NE	NE
Turbidity	Quarterly	SM 2130B	NTU	0.10	0.10	NE	--	0.18	--	--	50	75
Methyl ethyl ketone	Quarterly	EPA 8260B	µg/L	0.48	10	NE	--	<0.48	--	--	50	NE
Other Priority Pollutants	Quarterly <sup>e</sup>	--	--	--	--	--	--	--	--	--	NE	NE

Notes:

<sup>a</sup> 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.

<sup>b</sup> California Regional Water Quality Control Board Waste Discharge Requirements (WDRs).

<sup>c</sup> The highest MDL and RL during this reporting period are shown.

<sup>d</sup> There are no dry weather limitations for zinc.

<sup>e</sup> Effluent monitoring will occur quarterly for the first 2 years after the Order is adopted. After the first 2 years, effluent will be monitored once per year.

-- = not measured or not analyzed

< = not detected above the MDL

° F = degrees Fahrenheit

µg/L = micrograms per liter

J = detected at a concentration below the RL and above the MDL.

Reported value is estimated.

MDL = laboratory method detection limit

mg/L = milligrams per liter

ML = minimum level. See note a.

mL/L/hr = milliliters per liter per hour

NE = not established

NPDES = National Pollutant Discharge Elimination System

NTU = nephelometric turbidity unit(s)

RL = reporting limit

s.u. = standard unit(s)

TPH = total petroleum hydrocarbons

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

April 15, 2016

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

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

TEL:

FAX:

Workorder No.: N019329

RE: SFPP - Norwalk Site

Attention: Dan Jablonski

Enclosed are the results for sample(s) received on April 06, 2016 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 TECHNOLOGISTS

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"Serving Clients with Passion and Professionalism"

**CLIENT:** CH2MHill  
**Project:** SFPP - Norwalk Site  
**Lab Order:** N019329

**CASE NARRATIVE**

**SAMPLE RECEIVING/GENERAL COMMENTS:**

Samples were received intact with proper chain of custody documentation.

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

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

Samples were analyzed within method holding time.

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

**Subcontracted Analyses:**

Phenols was subcontracted to BC Labs- Bakersfield,CA.

**Analytical Comments for EPA 8015B DRO/ORO:**

Method Blank has hit above the reporting limit but less than 1/10 of the amount measured in sample.

**Analytical Comments for EPA 200.8:**

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for Copper on QC samples N019329-001H-MS and N019329-001H-MSD possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.



**CLIENT:** CH2MHill  
**Project:** SFPP - Norwalk Site  
**Lab Order:** N019329  
**Contract No:**

**Work Order Sample Summary**

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N019329-001A	EFF-04-05	Wastewater	4/5/2016 11:30:00 AM	4/6/2016	4/15/2016
N019329-001B	EFF-04-05	Wastewater	4/5/2016 11:30:00 AM	4/6/2016	4/15/2016
N019329-001C	EFF-04-05	Wastewater	4/5/2016 11:30:00 AM	4/6/2016	4/15/2016
N019329-001D	EFF-04-05	Wastewater	4/5/2016 11:30:00 AM	4/6/2016	4/15/2016
N019329-001E	EFF-04-05	Wastewater	4/5/2016 11:30:00 AM	4/6/2016	4/15/2016
N019329-001F	EFF-04-05	Wastewater	4/5/2016 11:30:00 AM	4/6/2016	4/15/2016
N019329-001H	EFF-04-05	Wastewater	4/5/2016 11:30:00 AM	4/6/2016	4/15/2016
N019329-001I	EFF-04-05	Wastewater	4/5/2016 11:30:00 AM	4/6/2016	4/15/2016
N019329-001J	EFF-04-05	Wastewater	4/5/2016 11:30:00 AM	4/6/2016	4/15/2016



**ASSET Laboratories**

**ANALYTICAL RESULTS**

Print Date: 15-Apr-16

**CLIENT:** CH2MHill  
**Lab Order:** N019329  
**Project:** SFPP - Norwalk Site  
**Lab ID:** N019329-001

**Client Sample ID:** EFF-04-05  
**Collection Date:** 4/5/2016 11:30:00 AM  
**Matrix:** WASTEWATER

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

**SM2540D**

RunID: <b>WETCHEM_160406C</b>	QC Batch: <b>56899</b>				PrepDate: <b>4/6/2016</b>		Analyst: <b>LR</b>
Suspended Solids (Residue, Non-Filterable)	ND	10	10		mg/L	1	4/6/2016 09:35 AM

**SETTLABLE MATTER**

**SM2540F**

RunID: <b>WETCHEM_160406H</b>	QC Batch: <b>56905</b>				PrepDate: <b>4/6/2016</b>		Analyst: <b>QBM</b>
Settleable Matter	ND	0.091	0.091		ml/L	1	4/6/2016

**HEXANE EXTRACTABLE MATERIAL (HEM)**

**EPA 1664 \_HEM REV B**

RunID: <b>WETCHEM_160407A</b>	QC Batch: <b>56923</b>				PrepDate: <b>4/7/2016</b>		Analyst: <b>LR</b>
Oil & Grease	0.71	0.71	4.1	J	mg/L	1	4/7/2016 08:44 AM

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: <b>MS5_160406A</b>	QC Batch: <b>P16VW071</b>				PrepDate:		Analyst: <b>QBM</b>
1,1-Dichloroethane	ND	0.022	0.50		ug/L	1	4/6/2016 12:28 PM
1,2-Dichloroethane	ND	0.064	0.50		ug/L	1	4/6/2016 12:28 PM
Benzene	ND	0.036	1.0		ug/L	1	4/6/2016 12:28 PM
Ethylbenzene	ND	0.036	1.0		ug/L	1	4/6/2016 12:28 PM
m,p-Xylene	ND	0.024	1.0		ug/L	1	4/6/2016 12:28 PM
MTBE	ND	0.062	1.0		ug/L	1	4/6/2016 12:28 PM
o-Xylene	ND	0.042	1.0		ug/L	1	4/6/2016 12:28 PM
Tert-Butanol	ND	0.30	5.0		ug/L	1	4/6/2016 12:28 PM
Toluene	ND	0.042	2.0		ug/L	1	4/6/2016 12:28 PM
Xylenes, Total	ND	1.5	2.0		ug/L	1	4/6/2016 12:28 PM
Surr: 1,2-Dichloroethane-d4	99.3	0	72-119		%REC	1	4/6/2016 12:28 PM
Surr: 4-Bromofluorobenzene	99.9	0	76-119		%REC	1	4/6/2016 12:28 PM
Surr: Dibromofluoromethane	101	0	85-115		%REC	1	4/6/2016 12:28 PM
Surr: Toluene-d8	99.9	0	81-120		%REC	1	4/6/2016 12:28 PM

**TPH EXTRACTABLE BY GC/FID**

**EPA 3510C**

**EPA 8015B**

RunID: <b>GC1_160409A</b>	QC Batch: <b>56917</b>				PrepDate: <b>4/7/2016</b>		Analyst: <b>MDM</b>
TPH-Diesel (C13-C22)	ND	15	25		ug/L	1	4/9/2016 12:44 PM
TPH-Oil (C23-C36)	ND	14	25		ug/L	1	4/9/2016 12:44 PM
Surr: Octacosane	132	0	26-152		%REC	1	4/9/2016 12:44 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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**ANALYTICAL RESULTS**

Print Date: 15-Apr-16

**CLIENT:** CH2MHill  
**Lab Order:** N019329  
**Project:** SFPP - Norwalk Site  
**Lab ID:** N019329-001

**Client Sample ID:** EFF-04-05  
**Collection Date:** 4/5/2016 11:30:00 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>GC1_160409A</b>	QC Batch: <b>56917</b>				PrepDate: <b>4/7/2016</b>		Analyst: <b>MDM</b>
Surr: p-Terphenyl	117	0	57-132		%REC	1	4/9/2016 12:44 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: <b>GC4_160413A</b>	QC Batch: <b>E16VW024</b>				PrepDate:		Analyst: <b>QBM</b>
TPH-Gasoline (C4-C12)	39	16	50	J	ug/L	1	4/13/2016 11:31 AM
Surr: Chlorobenzene - d5	108	0	74-138		%REC	1	4/13/2016 11:31 AM

**HEXAVALENT CHROMIUM BY IC**

**EPA 7199**

RunID: <b>IC6_160406A</b>	QC Batch: <b>R106784</b>				PrepDate:		Analyst: <b>JJS</b>
Hexavalent Chromium	ND	0.015	0.20		µg/L	1	4/6/2016 10:38 AM

**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 245.1**

RunID: <b>AA1_160407A</b>	QC Batch: <b>56906</b>				PrepDate: <b>4/6/2016</b>		Analyst: <b>CEI</b>
Mercury	ND	0.018	0.050		µg/L	1	4/7/2016 10:56 AM

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

**EPA 200.8**

RunID: <b>ICP7_160407A</b>	QC Batch: <b>56907</b>				PrepDate: <b>4/6/2016</b>		Analyst: <b>CEI</b>
Selenium	ND	0.070	0.50		µg/L	1	4/7/2016 01:10 PM

**TOTAL METALS BY ICPMS**

**EPA 200.8**

RunID: <b>ICP7_160407A</b>	QC Batch: <b>56907</b>				PrepDate: <b>4/6/2016</b>		Analyst: <b>CEI</b>
Copper	ND	0.26	0.50		µg/L	1	4/7/2016 01:10 PM
Lead	ND	0.053	0.50		µg/L	1	4/7/2016 01:10 PM
Thallium	0.037	0.034	0.50	J	µg/L	1	4/7/2016 01:10 PM
Zinc	0.91	0.039	10	J	µg/L	1	4/7/2016 01:10 PM

**TOTAL TPH**

**EPA 8015B**

RunID: <b>GC1_160409A</b>	QC Batch: <b>R106837</b>				PrepDate:		Analyst: <b>MDM</b>
Total TPH	38	16	50	J	ug/L	1	4/9/2016

<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:** N019329  
**Project:** SFPP - Norwalk Site

**ANALYTICAL QC SUMMARY REPORT**

**TestCode: 160.2\_2540D\_W**

Sample ID: <b>LCS-56899</b>	SampType: <b>LCS</b>	TestCode: <b>160.2_2540D</b>	Units: <b>mg/L</b>	Prep Date: <b>4/6/2016</b>	RunNo: <b>106776</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>56899</b>	TestNo: <b>SM2540D</b>	Analysis Date: <b>4/6/2016</b>	SeqNo: <b>2285498</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter)	907.000	10	1000	0	90.7	80	120				

Sample ID: <b>MBLK-56899</b>	SampType: <b>MBLK</b>	TestCode: <b>160.2_2540D</b>	Units: <b>mg/L</b>	Prep Date: <b>4/6/2016</b>	RunNo: <b>106776</b>						
Client ID: <b>PBW</b>	Batch ID: <b>56899</b>	TestNo: <b>SM2540D</b>	Analysis Date: <b>4/6/2016</b>	SeqNo: <b>2285499</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>N019327-007ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>160.2_2540D</b>	Units: <b>mg/L</b>	Prep Date: <b>4/6/2016</b>	RunNo: <b>106776</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>56899</b>	TestNo: <b>SM2540D</b>	Analysis Date: <b>4/6/2016</b>	SeqNo: <b>2285502</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter)	12.000	10						12.00	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:** N019329  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode:** 160.5\_2540F\_W

Sample ID: <b>MB-56905</b>	SampType: <b>MBLK</b>	TestCode: <b>160.5_2540F_</b> Units: <b>ml/L</b>	Prep Date: <b>4/6/2016</b>	RunNo: <b>106919</b>							
Client ID: <b>PBW</b>	Batch ID: <b>56905</b>	TestNo: <b>SM2540F</b>	Analysis Date: <b>4/6/2016</b>	SeqNo: <b>2295397</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Settleable Matter	ND	0.10									

### Qualifiers:

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

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 1664\_HEM\_W**

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
<b>MB-56923</b>	<b>MBLK</b>	<b>1664_HEM_W</b>	<b>mg/L</b>	<b>4/7/2016</b>	<b>106798</b>						
<b>Client ID: PBW</b>	<b>Batch ID: 56923</b>	<b>TestNo: EPA 1664_H</b>		<b>Analysis Date: 4/7/2016</b>	<b>SeqNo: 2286733</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:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
<b>LCS-56923</b>	<b>LCS</b>	<b>1664_HEM_W</b>	<b>mg/L</b>	<b>4/7/2016</b>	<b>106798</b>						
<b>Client ID: LCSW</b>	<b>Batch ID: 56923</b>	<b>TestNo: EPA 1664_H</b>		<b>Analysis Date: 4/7/2016</b>	<b>SeqNo: 2286734</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:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
<b>N019329-001AMS</b>	<b>MS</b>	<b>1664_HEM_W</b>	<b>mg/L</b>	<b>4/7/2016</b>	<b>106798</b>						
<b>Client ID: ZZZZZZ</b>	<b>Batch ID: 56923</b>	<b>TestNo: EPA 1664_H</b>		<b>Analysis Date: 4/7/2016</b>	<b>SeqNo: 2286736</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oil & Grease	38.706	4.7	47.06	0.7143	80.7	78	114				

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
<b>N019329-001AMSD</b>	<b>MSD</b>	<b>1664_HEM_W</b>	<b>mg/L</b>	<b>4/7/2016</b>	<b>106798</b>						
<b>Client ID: ZZZZZZ</b>	<b>Batch ID: 56923</b>	<b>TestNo: EPA 1664_H</b>		<b>Analysis Date: 4/7/2016</b>	<b>SeqNo: 2286737</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oil & Grease	34.362	4.3	42.55	0.7143	79.1	78	114	38.71	11.9	18	

**Qualifiers:**

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



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**CLIENT:** CH2MHill  
**Work Order:** N019329  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 200.8\_W\_DRC**

Sample ID: <b>MB-56907</b>	SampType: <b>MBLK</b>	TestCode: <b>200.8_W_DR</b>	Units: <b>µg/L</b>	Prep Date: <b>4/6/2016</b>	RunNo: <b>106817</b>						
Client ID: <b>PBW</b>	Batch ID: <b>56907</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>4/7/2016</b>	SeqNo: <b>2289250</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-56907</b>	SampType: <b>LCS</b>	TestCode: <b>200.8_W_DR</b>	Units: <b>µg/L</b>	Prep Date: <b>4/6/2016</b>	RunNo: <b>106817</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>56907</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>4/7/2016</b>	SeqNo: <b>2289251</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	8.693	0.50	10.00	0	86.9	85	115				

Sample ID: <b>N019329-001H-MS</b>	SampType: <b>MS</b>	TestCode: <b>200.8_W_DR</b>	Units: <b>µg/L</b>	Prep Date: <b>4/6/2016</b>	RunNo: <b>106817</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>56907</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>4/7/2016</b>	SeqNo: <b>2289255</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	8.360	0.50	10.00	0	83.6	75	125				

Sample ID: <b>N019329-001H-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>200.8_W_DR</b>	Units: <b>µg/L</b>	Prep Date: <b>4/6/2016</b>	RunNo: <b>106817</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>56907</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>4/7/2016</b>	SeqNo: <b>2289256</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	8.259	0.50	10.00	0	82.6	75	125	8.360	1.21	20	

**Qualifiers:**

- |  |  |  |
|--|--|--|
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**CLIENT:** CH2MHill  
**Work Order:** N019329  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 200.8\_W\_SFPP**

Sample ID: <b>MB-56907</b>		SampType: <b>MBLK</b>		TestCode: <b>200.8_W_SFPP</b> Units: <b>µg/L</b>			Prep Date: <b>4/6/2016</b>		RunNo: <b>106817</b>		
Client ID: <b>PBW</b>		Batch ID: <b>56907</b>		TestNo: <b>EPA 200.8</b>			Analysis Date: <b>4/7/2016</b>		SeqNo: <b>2289181</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.314	0.50									J
Lead	ND	0.50									
Thallium	ND	0.50									
Zinc	ND	10									

Sample ID: <b>LCS-56907</b>		SampType: <b>LCS</b>		TestCode: <b>200.8_W_SFPP</b> Units: <b>µg/L</b>			Prep Date: <b>4/6/2016</b>		RunNo: <b>106817</b>		
Client ID: <b>LCSW</b>		Batch ID: <b>56907</b>		TestNo: <b>EPA 200.8</b>			Analysis Date: <b>4/7/2016</b>		SeqNo: <b>2289182</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	9.514	0.50	10.00	0	95.1	85	115				
Lead	9.989	0.50	10.00	0	99.9	85	115				
Thallium	9.837	0.50	10.00	0	98.4	85	115				
Zinc	106.119	10	100.0	0	106	85	115				

Sample ID: <b>N019329-001H-MS</b>		SampType: <b>MS</b>		TestCode: <b>200.8_W_SFPP</b> Units: <b>µg/L</b>			Prep Date: <b>4/6/2016</b>		RunNo: <b>106817</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>56907</b>		TestNo: <b>EPA 200.8</b>			Analysis Date: <b>4/7/2016</b>		SeqNo: <b>2289186</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	7.169	0.50	10.00	0	71.7	75	125				S
Lead	10.096	0.50	10.00	0	101	75	125				
Thallium	9.443	0.50	10.00	0.03693	94.1	75	125				
Zinc	80.432	10	100.0	0.9138	79.5	75	125				

Sample ID: <b>N019329-001H-MSD</b>		SampType: <b>MSD</b>		TestCode: <b>200.8_W_SFPP</b> Units: <b>µg/L</b>			Prep Date: <b>4/6/2016</b>		RunNo: <b>106817</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>56907</b>		TestNo: <b>EPA 200.8</b>			Analysis Date: <b>4/7/2016</b>		SeqNo: <b>2289187</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	7.092	0.50	10.00	0	70.9	75	125	7.169	1.07	20	S
Lead	10.071	0.50	10.00	0	101	75	125	10.10	0.247	20	

**Qualifiers:**

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



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**CLIENT:** CH2MHill  
**Work Order:** N019329  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 200.8\_W\_SFPP**

Sample ID: <b>N019329-001H-MSD</b>		SampType: <b>MSD</b>		TestCode: <b>200.8_W_SFPP</b> Units: <b>µg/L</b>			Prep Date: <b>4/6/2016</b>		RunNo: <b>106817</b>		
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>56907</b>		TestNo: <b>EPA 200.8</b>			Analysis Date: <b>4/7/2016</b>		SeqNo: <b>2289187</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Thallium	9.486	0.50	10.00	0.03693	94.5	75	125	9.443	0.453	20	
Zinc	79.877	10	100.0	0.9138	79.0	75	125	80.43	0.692	20	

**Qualifiers:**

- |  |  |  |
|--|--|--|
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**CLIENT:** CH2MHill  
**Work Order:** N019329  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 245.1\_W\_LL**

Sample ID: <b>MB-56906</b>	SampType: <b>MBLK</b>	TestCode: <b>245.1_W_LL</b>	Units: <b>µg/L</b>	Prep Date: <b>4/6/2016</b>	RunNo: <b>106801</b>						
Client ID: <b>PBW</b>	Batch ID: <b>56906</b>	TestNo: <b>EPA 245.1</b>		Analysis Date: <b>4/7/2016</b>	SeqNo: <b>2286912</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-56906</b>	SampType: <b>LCS</b>	TestCode: <b>245.1_W_LL</b>	Units: <b>µg/L</b>	Prep Date: <b>4/6/2016</b>	RunNo: <b>106801</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>56906</b>	TestNo: <b>EPA 245.1</b>		Analysis Date: <b>4/7/2016</b>	SeqNo: <b>2286913</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 2.192 0.050 2.500 0 87.7 85 115

Sample ID: <b>N019329-001H-MS</b>	SampType: <b>MS</b>	TestCode: <b>245.1_W_LL</b>	Units: <b>µg/L</b>	Prep Date: <b>4/6/2016</b>	RunNo: <b>106801</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>56906</b>	TestNo: <b>EPA 245.1</b>		Analysis Date: <b>4/7/2016</b>	SeqNo: <b>2286914</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 2.545 0.050 2.500 0 102 75 125

Sample ID: <b>N019329-001H-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>245.1_W_LL</b>	Units: <b>µg/L</b>	Prep Date: <b>4/6/2016</b>	RunNo: <b>106801</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>56906</b>	TestNo: <b>EPA 245.1</b>		Analysis Date: <b>4/7/2016</b>	SeqNo: <b>2286915</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 2.591 0.050 2.500 0 104 75 125 2.545 1.78 20

**Qualifiers:**

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



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**CLIENT:** CH2MHill  
**Work Order:** N019329  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 7199\_WPGE**

Sample ID: <b>MB-R106784</b>	SampType: <b>MBLK</b>	TestCode: <b>7199_WPGE</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>106784</b>						
Client ID: <b>PBW</b>	Batch ID: <b>R106784</b>	TestNo: <b>EPA 7199</b>	Analysis Date: <b>4/6/2016</b>	SeqNo: <b>2285655</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexavalent Chromium ND 0.20

Sample ID: <b>LCS-R106784</b>	SampType: <b>LCS</b>	TestCode: <b>7199_WPGE</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>106784</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>R106784</b>	TestNo: <b>EPA 7199</b>	Analysis Date: <b>4/6/2016</b>	SeqNo: <b>2285656</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexavalent Chromium 5.074 0.20 5.000 0 101 90 110

Sample ID: <b>N019329-001EDUP</b>	SampType: <b>DUP</b>	TestCode: <b>7199_WPGE</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>106784</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R106784</b>	TestNo: <b>EPA 7199</b>	Analysis Date: <b>4/6/2016</b>	SeqNo: <b>2285658</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexavalent Chromium ND 0.20 0 0 20

Sample ID: <b>N019329-001EMS</b>	SampType: <b>MS</b>	TestCode: <b>7199_WPGE</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>106784</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R106784</b>	TestNo: <b>EPA 7199</b>	Analysis Date: <b>4/6/2016</b>	SeqNo: <b>2285659</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexavalent Chromium 5.138 0.20 5.000 0 103 85 115

Sample ID: <b>N019329-001EMSD</b>	SampType: <b>MSD</b>	TestCode: <b>7199_WPGE</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>106784</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R106784</b>	TestNo: <b>EPA 7199</b>	Analysis Date: <b>4/6/2016</b>	SeqNo: <b>2285660</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexavalent Chromium 5.206 0.20 5.000 0 104 85 115 5.138 1.31 20

**Qualifiers:**

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



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**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

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

Sample ID: <b>MB-56917</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_W_FP_</b>	Units: <b>ug/L</b>	Prep Date: <b>4/7/2016</b>	RunNo: <b>106837</b>						
Client ID: <b>PBW</b>	Batch ID: <b>56917</b>	TestNo: <b>EPA 8015B EPA 3510C</b>		Analysis Date: <b>4/9/2016</b>	SeqNo: <b>2290174</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	106.957		80.00		134	26	152				
Surr: p-Terphenyl	96.073		80.00		120	57	132				

**Qualifiers:**

- |  |  |  |
|--|--|--|
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**Work Order:** N019329  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_W\_SFPPTOT**

Sample ID: <b>MB-R106837</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_W_SFP</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>106837</b>						
Client ID: <b>PBW</b>	Batch ID: <b>R106837</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>4/9/2016</b>	SeqNo: <b>2290178</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>E160413LCS</b>		SampType: <b>LCS</b>		TestCode: <b>8015GAS_WS</b> Units: <b>ug/L</b>		Prep Date:		RunNo: <b>106934</b>			
Client ID: <b>LCSW</b>		Batch ID: <b>E16VW024</b>		TestNo: <b>EPA 8015B</b>		Analysis Date: <b>4/13/2016</b>		SeqNo: <b>2296042</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	902.000	50	1000	0	90.2	67	136				B
Surr: Chlorobenzene - d5	46975.000		50000		94.0	74	138				

Sample ID: <b>E160413MB1</b>		SampType: <b>MBLK</b>		TestCode: <b>8015GAS_WS</b> Units: <b>ug/L</b>		Prep Date:		RunNo: <b>106934</b>			
Client ID: <b>PBW</b>		Batch ID: <b>E16VW024</b>		TestNo: <b>EPA 8015B</b>		Analysis Date: <b>4/13/2016</b>		SeqNo: <b>2296043</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	68.000	50									
Surr: Chlorobenzene - d5	50266.000		50000		101	74	138				

Sample ID: <b>N019329-001JMS</b>		SampType: <b>MS</b>		TestCode: <b>8015GAS_WS</b> Units: <b>ug/L</b>		Prep Date:		RunNo: <b>106934</b>			
Client ID: <b>ZZZZZ</b>		Batch ID: <b>E16VW024</b>		TestNo: <b>EPA 8015B</b>		Analysis Date: <b>4/13/2016</b>		SeqNo: <b>2296050</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	876.000	50	1000	39.00	83.7	67	136				B
Surr: Chlorobenzene - d5	51191.000		50000		102	74	138				

Sample ID: <b>N019329-001JMSD</b>		SampType: <b>MSD</b>		TestCode: <b>8015GAS_WS</b> Units: <b>ug/L</b>		Prep Date:		RunNo: <b>106934</b>			
Client ID: <b>ZZZZZ</b>		Batch ID: <b>E16VW024</b>		TestNo: <b>EPA 8015B</b>		Analysis Date: <b>4/13/2016</b>		SeqNo: <b>2296051</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	797.000	50	1000	39.00	75.8	67	136	876.0	9.44	30	B
Surr: Chlorobenzene - d5	46789.000		50000		93.6	74	138		0	0	

**Qualifiers:**

- |  |  |  |
|--|--|--|
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**CLIENT:** CH2MHill  
**Work Order:** N019329  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_SFPP**

Sample ID: <b>P160406LCS</b>		SampType: <b>LCS</b>		TestCode: <b>8260_WP_SF</b>		Units: <b>ug/L</b>		Prep Date:		RunNo: <b>106809</b>		
Client ID: <b>LCSSW</b>		Batch ID: <b>P16VW071</b>		TestNo: <b>EPA 8260B</b>				Analysis Date: <b>4/6/2016</b>		SeqNo: <b>2287773</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1-Dichloroethane	19.360	0.50	20.00	0	96.8	69	133					
1,2-Dichloroethane	20.220	0.50	20.00	0	101	69	132					
Benzene	20.760	1.0	20.00	0	104	81	122					
Ethylbenzene	20.330	1.0	20.00	0	102	73	127					
m,p-Xylene	41.350	1.0	40.00	0	103	76	128					
MTBE	20.390	1.0	20.00	0	102	65	123					
o-Xylene	20.890	1.0	20.00	0	104	80	121					
Tert-Butanol	111.360	5.0	100.0	0	111	70	130					
Toluene	20.470	2.0	20.00	0	102	77	122					
Xylenes, Total	62.240	2.0	60.00	0	104	75	125					
Surr: 1,2-Dichloroethane-d4	25.310		25.00		101	72	119					
Surr: 4-Bromofluorobenzene	25.670		25.00		103	76	119					
Surr: Dibromofluoromethane	25.330		25.00		101	85	115					
Surr: Toluene-d8	25.740		25.00		103	81	120					

Sample ID: <b>P160406LCSD</b>		SampType: <b>LCSD</b>		TestCode: <b>8260_WP_SF</b>		Units: <b>ug/L</b>		Prep Date:		RunNo: <b>106809</b>		
Client ID: <b>LCSS02</b>		Batch ID: <b>P16VW071</b>		TestNo: <b>EPA 8260B</b>				Analysis Date: <b>4/6/2016</b>		SeqNo: <b>2287774</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1-Dichloroethane	19.450	0.50	20.00	0	97.3	69	133	19.36	0.464	20		
1,2-Dichloroethane	20.270	0.50	20.00	0	101	69	132	20.22	0.247	20		
Benzene	20.190	1.0	20.00	0	101	81	122	20.76	2.78	20		
Ethylbenzene	19.820	1.0	20.00	0	99.1	73	127	20.33	2.54	20		
m,p-Xylene	41.020	1.0	40.00	0	103	76	128	41.35	0.801	20		
MTBE	20.450	1.0	20.00	0	102	65	123	20.39	0.294	20		
o-Xylene	20.620	1.0	20.00	0	103	80	121	20.89	1.30	20		
Tert-Butanol	108.710	5.0	100.0	0	109	70	130	111.4	2.41	20		
Toluene	20.140	2.0	20.00	0	101	77	122	20.47	1.63	20		
Xylenes, Total	61.640	2.0	60.00	0	103	75	125	62.24	0.969	20		
Surr: 1,2-Dichloroethane-d4	25.060		25.00		100	72	119		0			

**Qualifiers:**

- |  |  |  |
|--|--|--|
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**CLIENT:** CH2MHill  
**Work Order:** N019329  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_SFPP**

Sample ID: <b>P160406LCSD</b>	SampType: <b>LCSD</b>	TestCode: <b>8260_WP_SF</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>106809</b>						
Client ID: <b>LCSS02</b>	Batch ID: <b>P16VW071</b>	TestNo: <b>EPA 8260B</b>	Analysis Date: <b>4/6/2016</b>	SeqNo: <b>2287774</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	25.140		25.00		101	76	119		0		
Surr: Dibromofluoromethane	25.220		25.00		101	85	115		0		
Surr: Toluene-d8	24.920		25.00		99.7	81	120		0		

Sample ID: <b>P160406MB3</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_SF</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>106809</b>						
Client ID: <b>PBW</b>	Batch ID: <b>P16VW071</b>	TestNo: <b>EPA 8260B</b>	Analysis Date: <b>4/6/2016</b>	SeqNo: <b>2287777</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									
Ethylbenzene	ND	1.0									
m,p-Xylene	0.030	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	24.900		25.00		99.6	72	119				
Surr: 4-Bromofluorobenzene	24.860		25.00		99.4	76	119				
Surr: Dibromofluoromethane	25.490		25.00		102	85	115				
Surr: Toluene-d8	25.440		25.00		102	81	120				

**Qualifiers:**

- |  |  |  |
|--|--|--|
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 Marlon Cartin (marlon@atl-labs.com)

**CHAIN OF CUSTODY RECORD**

DATE: 4/5/16  
 PAGE: 1 OF 1

T: 3.3°C JR #2

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		
TEL: <b>714-560-4802</b>	FAX: <b>714-560-4601</b>	E-MAIL: <b>james.dye@kindermorgan.com</b>						

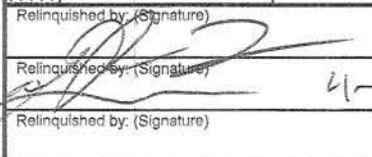
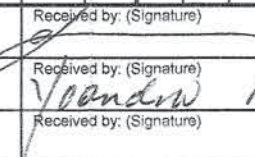
TURNAROUND TIME  
 SAME DAY  24 HR  48HR  72 HR  5 DAYS  10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)  
 RWQCB REPORTING  ARCHIVE SAMPLES UNTIL \_\_\_/\_\_\_/\_\_\_

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

**REQUESTED ANALYSIS**

LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING		MAT- RIX	NO. OF CONT.	Oil & Grease (1664)	TPH-g, TPH-d, and TPH-oil (8015B)	Settleable Solids (SM2540F)	Total Suspended Solids (SM2540D)	Phenol (420.1)	BTEX, 1,1-DCA, 1,2-DCA (8260B)	MTBE and TBA, (8260B) 48HR TAT	Cu, Pb, Se, Ti, and Zn (200.8); 48 Hr TAT	Hg (245.1); 48 Hr TAT	Cr-VI (7199)	Comments
			DATE	TIME													
	EFF-04-05	Effluent	4/5/16	1130	WW	17	X	X	X	X	X	X	X	X	X	X	N019329 - 01

Relinquished by: (Signature) 	Received by: (Signature) 	Date: <u>4-5-16</u>	Time: <u>15:06</u>
Relinquished by: (Signature) <u>4-5-16 15:46</u>	Received by: (Signature) <u>Yoandry Rodriguez 4/6/16 8:00 am</u>	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

# 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: 4/6/2016 Workorder: N019329  
 Rep sample Temp (Deg C): 3.3 IR Gun ID: 2  
 Temp Blank:  Yes  No  
 Carrier name: Golden State Overnight  
 Last 4 digits of Tracking No.: 2479 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"/><br>Yes <input type="checkbox"/> | No <input type="checkbox"/><br>No <input type="checkbox"/> | NA <input checked="" type="checkbox"/><br>NA <input checked="" type="checkbox"/> |

Comments:

Checklist Completed By: YR For:  4/6/2016

Reviewed By:  04/06/16

# ASSET Laboratories

## WORK ORDER Summary

07-Apr-16

WorkOrder: N019329

Client ID: CH2HI03

Project: SFPP - Norwalk Site

QC Level: RTNE

Date Received: 4/6/2016

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
N019329-001A	EFF-04-05	4/5/2016 11:30:00 AM	4/13/2016	Wastewater		Oil and Grease Sample Prep	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			4/13/2016		EPA 1664 _HEM	Hexane Extractable Material (HEM)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N019329-001B			4/8/2016		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Consume
N019329-001C			4/13/2016		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			4/13/2016		EPA 8015B	TPH EXTRACTABLE BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			4/13/2016		EPA 8015B	Total TPH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N019329-001D			4/13/2016		SM2540F	SETTLEABLE MATTER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Consume
			4/13/2016			Setteable Matter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Consume
N019329-001E			4/13/2016		EPA 7199	Hexavalent Chromium by IC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	JJS
N019329-001F			4/13/2016		EPA 420.1	PHENOLICS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N019329-001H			4/8/2016			AQPREP TOTAL METALS: ICP, FLAA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			4/8/2016		EPA 200.8	TOTAL METALS BY COLLISION/REACTION CELL ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			4/8/2016		EPA 200.8	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			4/8/2016		EPA 245.1	MERCURY BY COLD VAPOR TECHNIQUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			4/8/2016			MERCURY PREP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N019329-001I			4/13/2016		SM2540D	TOTAL NON-FILTERABLE RESIDUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			4/13/2016			Total Suspended Solids Prep	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N019329-001J			4/13/2016		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VW
N019329-002A	FOLDER		4/8/2016		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB





**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:**

BC Labs  
4100 Atlas Court  
Bakersfield, CA 93308

TEL: (661) 327-4911  
FAX: (661) 327-1918  
Acct #:

Field Sampler: James Dye

07-Apr-16

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests		
				EPA 420.1		
N019329-001F / EFF-04-05	Wastewater	4/5/2016 11:30:00 AM	32OZA	1		

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

Please use PO#: N19329A Please email Invoices and Account Receivable Statements to AssetAP@assetlaboratories.com. For questions, call Molky at (562)-219-7435. Please e-mail results to reports@assetlaboratories.com by: Normal TAT.

Please analyze for Phenol by 420.1

Relinquished by: <i>For: Yoandra Rodriguez</i>	Date/Time: <i>4/7/16</i>	Received by: _____	Date/Time: _____
Relinquished by: _____	Date/Time: _____	Received by: _____	Date/Time: _____





Kc Labs

ASSET LABORATORIES  
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

# CHAIN OF CUSTODY RECORD

Contact us:  
Nevada: 3151 W. Post Road, Las Vegas, NV 89118  
P: 702.307.2659 F: 702.3072691  
California: 11060 Artesia Blvd., Ste C, Cerritos, CA 90703  
P: 562.219.7435 F: 562.219.7436  
www.assetlaboratories.com

Page 1 of 1

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"/>		RWOCB <input type="checkbox"/>		1. Chilled <input type="checkbox"/>	
Phone:		Address:		Email to:		Labspec <input type="checkbox"/>		CalTrans <input type="checkbox"/>		2. Headspace <input type="checkbox"/>	
Fax:				PO#		Others <input type="checkbox"/>		Level III <input type="checkbox"/>		3. Container Intact <input type="checkbox"/>	
Submitted By: <b>Molky Brar</b>				Phone:		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"/>				Sample Temp:	
Project Name:						Sediment <input type="checkbox"/>				Turn Around Time	
<b>SFP- Norwalk site</b>						Potable <input type="checkbox"/>				No. of container	
Project Number:						NPOES <input type="checkbox"/>				Container Type	
						Other Solid <input type="checkbox"/>				PRESERVATION	
						Surface <input type="checkbox"/>				Courier:	
										Tracking No.	

Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others	Remarks
1		<b>EFF-04-05</b>	<b>4/5/16</b>	<b>11:30</b>	<b>X</b>		<b>X</b>	<b>ELG</b>
2								
3								
4								
5								
6								
7								
8								
9								
10								

Relinquished by (Signature and Printed Name):	Date / Time: <b>4-5-16 15:46</b>	Received by (Signature and Printed Name):	Date / Time:	Turn Around Time (TAT) <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 2:00 PM.</b>	Special Instruction:
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:  
Last 24 hrs = 200% Next Day = 100% 2 Workdays = 50% 3 Workdays = 30% 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. Surcharges applied on total project price.  
5. Trip Blanks and Equipment Blanks are billable samples.  
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 = NaOH/Na2O2

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



800-322-5555 www.gso.com

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

Tracking #: 531482479

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



50264841

Print Date: 4/5/2016 4:13 PM

Package 2 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.

3.3°C  
JR # 2



Date of Report: 04/14/2016

Molky Brar

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

Client Project: SFPP-Norwalk Site  
BCL Project: Cerritos  
BCL Work Order: 1609716  
Invoice ID: B232528

Enclosed are the results of analyses for samples received by the laboratory on 4/6/2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Vanessa Sandoval  
Client Service Rep

Authorized Signature

Certifications: CA ELAP #1186; NV #CA00014; OR ELAP #4032-001; AK UST101

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**Laboratories, Inc.**

Environmental Testing Laboratory Since 1949

**Chain of Custody and Cooler Receipt Form for 1609716 Page 1 of 2**

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

**CHAIN OF CUSTODY RECORD**



Bc Labs

16-09716

16-09083 10/24/16

Client: <b>Asset Labs</b>		Report to: <b>Asset Labs</b>		Bill to: <b>Asset Labs</b>	
Company: <b>Asset Labs</b>		Address: <b>16-09083 10/24/16</b>		Address: <b>16-09083 10/24/16</b>	
Email: <b>Asset Labs</b>		Email to: <b>Asset Labs</b>		Email to: <b>Asset Labs</b>	
Address: <b>Asset Labs</b>		Phone: <b>Asset Labs</b>		Phone: <b>Asset Labs</b>	
Submitted By: <b>Molky Brar</b>		Date: <b>4-5-16</b>		Date: <b>4-6-16</b>	
Signature: <b>Molky Brar</b>		Signature: <b>[Signature]</b>		Signature: <b>[Signature]</b>	
Project Name: <b>SFPP-Norwalk site</b>		Sample ID/Location: <b>EFF-04-05</b>		Date / Time: <b>4-6-16 10:25</b>	
Project Number: <b>1</b>		Date: <b>4/5/16 11:30</b>		Date / Time: <b>4-6-16 10:25</b>	
I hereby authorize ASSET Labs to perform the tests indicated below:		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.		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.	
Matrix: <b>Phenol (H2O.1)</b>		Ground: <input type="checkbox"/>		Sludges: <input type="checkbox"/>	
Water: <input checked="" type="checkbox"/>		Pebbles: <input type="checkbox"/>		Soil: <input type="checkbox"/>	
Others: <input type="checkbox"/>		HIDES: <input type="checkbox"/>		Other Solid: <input type="checkbox"/>	
Surface: <input type="checkbox"/>		Surface: <input type="checkbox"/>		Surface: <input type="checkbox"/>	
Analyses Requested: <b>Phenol (H2O.1)</b>		Ground: <input type="checkbox"/>		Sludges: <input type="checkbox"/>	
Water: <input checked="" type="checkbox"/>		Pebbles: <input type="checkbox"/>		Soil: <input type="checkbox"/>	
Others: <input type="checkbox"/>		HIDES: <input type="checkbox"/>		Other Solid: <input type="checkbox"/>	
Surface: <input type="checkbox"/>		Surface: <input type="checkbox"/>		Surface: <input type="checkbox"/>	
EDD Requirement: <input type="checkbox"/>		Evoil EDD: <input type="checkbox"/>		RTNE: <input type="checkbox"/>	
GeoTracker: <input type="checkbox"/>		RWOCB: <input type="checkbox"/>		CatTrans: <input type="checkbox"/>	
LabSpec: <input type="checkbox"/>		Level III: <input type="checkbox"/>		LEVEL IV: <input type="checkbox"/>	
Others: <input type="checkbox"/>		Regulatory: <input type="checkbox"/>		Specify State: <input type="checkbox"/>	
Specify:		Global ID: <input type="checkbox"/>		Sample Receipt Condition: <input type="checkbox"/>	
Global ID:		Sample Temp: <input type="checkbox"/>		1. Chilled: <input type="checkbox"/>	
Sample Temp:		2. Heated: <input type="checkbox"/>		3. Container intact: <input type="checkbox"/>	
1. Chilled: <input type="checkbox"/>		3. Container intact: <input type="checkbox"/>		4. Seal Present: <input type="checkbox"/>	
2. Heated: <input type="checkbox"/>		4. Seal Present: <input type="checkbox"/>		5. RI number: <input type="checkbox"/>	
3. Container intact: <input type="checkbox"/>		5. RI number: <input type="checkbox"/>		6. Method of Cooling: <input type="checkbox"/>	
4. Seal Present: <input type="checkbox"/>		6. Method of Cooling: <input type="checkbox"/>		Y = Yes	
5. RI number: <input type="checkbox"/>		6. Method of Cooling: <input type="checkbox"/>		N = No	
6. Method of Cooling: <input type="checkbox"/>		6. Method of Cooling: <input type="checkbox"/>			
Special Instruction: <b>Turn Around Time (TAT)</b>		No. of containers: <b>1</b>		Container Type: <b>EA</b>	
<input type="checkbox"/> A = 24 Hrs or Same Day TAT		Turn Around Time: <b>1</b>		No. of containers: <b>1</b>	
<input type="checkbox"/> B = Next Workday		Carrier: <b>PRESEVATION</b>		Trucking No.:	
<input type="checkbox"/> C = 2 Workdays		Remarks: <b>EA</b>			
<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.					
Preparation: <b>H = HCl, N = HNO3, S = H2SO4, C = 4°C, Z = ZVOC, O = NODH, T = HexSoh</b>					
Others Specify: <b>Others Specify</b>					
Container Type: <b>EA</b>					
I = Tube, J = Jar, K = Tiedjar, L = Glass					

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BC LABORATORIES INC. COOLER RECEIPT FORM Page 1 Of 1

Submission #: 16-09716

**SHIPPING INFORMATION**  
 Fed Ex  UPS  Ontrac  Hand Delivery   
 BC Lab Field Service  Other (Specify) 950

**SHIPPING CONTAINER**  
 Ice Chest  None  Box   
 Other (Specify) \_\_\_\_\_

**FREE LIQUID**  
 YES  NO

Refrigerant: Ice  Blue Ice  None  Other  Comments: \_\_\_\_\_

Custody Seals Ice Chest  Containers  None  Comments: \_\_\_\_\_  
 Intact? Yes  No  Intact? Yes  No

All samples received? Yes  No  All samples containers intact? Yes  No  Description(s) match COC? Yes  No

COC Received YES  NO  Emissivity: 95 Container: PE Thermometer ID: 208 Date/Time: 4-6-16 10:25  
 Temperature: (A) 4.3 °C / (C) 4.4 °C Analyst Init: [Signature]

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr <sup>6+</sup>										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS <u>32oz I32</u> <u>A</u>										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270 <u>ARC 4-6-16</u>										
8oz / 16oz <u>32oz</u> AMBER <u>ARC</u>										
8oz / 16oz / 32oz JAR <u>4-6-16</u>										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments: \_\_\_\_\_ Date/Time: 4-6-16 1147 Rev 20 07/24/2015  
 Sample Numbering Completed By: ARC / JDC  
 A = Actual / C = Corrected [S:\WPDoc\WordPerfect\LAB\_DOCS\FORMS\SAMRECrev 20]

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

**Reported:** 04/14/2016 16:17  
**Project:** Cerritos  
**Project Number:** SFPP-Norwalk Site  
**Project Manager:** Molky Brar

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1609716-01	<b>COC Number:</b>	---	<b>Receive Date:</b>	04/06/2016 10:25
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	04/05/2016 11:30
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	EFF-04-05	<b>Lab Matrix:</b>	Water
	<b>Sampled By:</b>	Client	<b>Sample Type:</b>	Water

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

**Reported:** 04/14/2016 16:17  
**Project:** Cerritos  
**Project Number:** SFPP-Norwalk Site  
**Project Manager:** Molky Brar

### Water Analysis (General Chemistry)

<b>BCL Sample ID:</b> 1609716-01	<b>Client Sample Name:</b> EFF-04-05, 4/5/2016 11:30:00AM, Client
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Total Phenolics	ND	ug/L	50	10	EPA-420.4	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-420.4	04/08/16	04/11/16 13:31	JMH	KONE-1	1	BZD0667

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

**Reported:** 04/14/2016 16:17  
**Project:** Cerritos  
**Project Number:** SFPP-Norwalk Site  
**Project Manager:** Molky Brar

## Water Analysis (General Chemistry)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BZD0667</b>						
Total Phenolics	BZD0667-BLK1	ND	ug/L	50	10	

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Las Vegas, NV 89118

**Reported:** 04/14/2016 16:17  
**Project:** Cerritos  
**Project Number:** SFPP-Norwalk Site  
**Project Manager:** Molky Brar

## Water Analysis (General Chemistry)

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: BZD0667</b>										
Total Phenolics	BZD0667-BS1	LCS	520.66	500.00	ug/L	104		85 - 115		

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Las Vegas, NV 89118

**Reported:** 04/14/2016 16:17  
**Project:** Cerritos  
**Project Number:** SFPP-Norwalk Site  
**Project Manager:** Molky Brar

## Water Analysis (General Chemistry)

### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits		Lab Quals
									RPD	Percent Recovery	
<b>QC Batch ID: BZD0667</b>		Used client sample: N									
Total Phenolics	DUP	1609760-02	ND	ND		ug/L			20		
	MS	1609760-02	ND	505.61	500.00	ug/L		101		80 - 120	
	MSD	1609760-02	ND	512.04	500.00	ug/L	1.3	102	20	80 - 120	

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Las Vegas, NV 89118

**Reported:** 04/14/2016 16:17  
**Project:** Cerritos  
**Project Number:** SFPP-Norwalk Site  
**Project Manager:** Molky Brar

**Notes And Definitions**

- MDL Method Detection Limit
- ND Analyte Not Detected
- PQL Practical Quantitation Limit

May 12, 2016

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

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

TEL:

FAX:

Workorder No.: N019608

RE: SFPP - Norwalk Site


Attention: Dan Jablonski

Enclosed are the results for sample(s) received on May 04, 2016 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:** N019608

**CASE NARRATIVE**

**SAMPLE RECEIVING/GENERAL COMMENTS:**

Samples were received intact with proper chain of custody documentation.

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

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

Samples were analyzed within method holding time.

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

**Subcontracted Analyses:**

Ammonia, MBAS, Phenols and Oil and Grease were subcontracted to BC Labs- Bakersfield,CA.

**Analytical Comments for EPA 200.8:**

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for Copper on QC samples N019614-001C-MS and N019614-001C-MSD possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.



**CLIENT:** CH2MHill  
**Project:** SFPP - Norwalk Site  
**Lab Order:** N019608  
**Contract No:**

**Work Order Sample Summary**

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N019608-001A	EFF-05-03	Wastewater	5/3/2016 9:45:00 AM	5/4/2016	5/12/2016
N019608-001B	EFF-05-03	Wastewater	5/3/2016 9:45:00 AM	5/4/2016	5/12/2016
N019608-001C	EFF-05-03	Wastewater	5/3/2016 9:45:00 AM	5/4/2016	5/12/2016
N019608-001D	EFF-05-03	Wastewater	5/3/2016 9:45:00 AM	5/4/2016	5/12/2016
N019608-001E	EFF-05-03	Wastewater	5/3/2016 9:45:00 AM	5/4/2016	5/12/2016
N019608-001F	EFF-05-03	Wastewater	5/3/2016 9:45:00 AM	5/4/2016	5/12/2016
N019608-001G	EFF-05-03	Wastewater	5/3/2016 9:45:00 AM	5/4/2016	5/12/2016
N019608-001H	EFF-05-03	Wastewater	5/3/2016 9:45:00 AM	5/4/2016	5/12/2016
N019608-001I	EFF-05-03	Wastewater	5/3/2016 9:45:00 AM	5/4/2016	5/12/2016
N019608-001J	EFF-05-03	Wastewater	5/3/2016 9:45:00 AM	5/4/2016	5/12/2016
N019608-001K	EFF-05-03	Wastewater	5/3/2016 9:45:00 AM	5/4/2016	5/12/2016



**ASSET Laboratories**

**ANALYTICAL RESULTS**

Print Date: 12-May-16

**CLIENT:** CH2MHill  
**Lab Order:** N019608  
**Project:** SFPP - Norwalk Site  
**Lab ID:** N019608-001

**Client Sample ID:** EFF-05-03  
**Collection Date:** 5/3/2016 9:45:00 AM  
**Matrix:** WASTEWATER

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

**SM2540D**

RunID: <b>WETCHEM_160510D</b>	QC Batch: <b>58367</b>				PrepDate: <b>5/10/2016</b>		Analyst: <b>QBM</b>
Suspended Solids (Residue, Non-Filterable)	ND	10	10		mg/L	1	5/10/2016

**SETTLABLE MATTER**

**SM2540F**

RunID: <b>WETCHEM_160504F</b>	QC Batch: <b>57296</b>				PrepDate: <b>5/4/2016</b>		Analyst: <b>QBM</b>
Settleable Matter	ND	0.088	0.088		ml/L	1	5/4/2016

**TURBIDITY**

**SM 2130B**

RunID: <b>WETCHEM_160504B</b>	QC Batch: <b>R108241</b>				PrepDate:		Analyst: <b>RB</b>
Turbidity	0.18	0.10	0.10		NTU	1	5/4/2016

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: <b>MS5_160504A</b>	QC Batch: <b>P16VW087</b>				PrepDate:		Analyst: <b>RB</b>
1,1-Dichloroethane	ND	0.022	0.50		ug/L	1	5/4/2016 01:27 PM
1,2-Dichloroethane	ND	0.064	0.50		ug/L	1	5/4/2016 01:27 PM
2-Butanone	ND	0.48	10		ug/L	1	5/4/2016 01:27 PM
Benzene	ND	0.036	1.0		ug/L	1	5/4/2016 01:27 PM
Di-isopropyl ether	ND	0.017	1.0		ug/L	1	5/4/2016 01:27 PM
Ethylbenzene	ND	0.036	1.0		ug/L	1	5/4/2016 01:27 PM
m,p-Xylene	0.040	0.024	1.0	J	ug/L	1	5/4/2016 01:27 PM
MTBE	ND	0.062	1.0		ug/L	1	5/4/2016 01:27 PM
o-Xylene	ND	0.042	1.0		ug/L	1	5/4/2016 01:27 PM
Tert-amyl methyl ether	ND	0.039	1.0		ug/L	1	5/4/2016 01:27 PM
Tert-Butanol	ND	0.30	5.0		ug/L	1	5/4/2016 01:27 PM
Toluene	ND	0.042	2.0		ug/L	1	5/4/2016 01:27 PM
Xylenes, Total	ND	1.5	2.0		ug/L	1	5/4/2016 01:27 PM
Surr: 1,2-Dichloroethane-d4	98.8	0	72-119		%REC	1	5/4/2016 01:27 PM
Surr: 4-Bromofluorobenzene	100	0	76-119		%REC	1	5/4/2016 01:27 PM
Surr: Dibromofluoromethane	109	0	85-115		%REC	1	5/4/2016 01:27 PM
Surr: Toluene-d8	108	0	81-120		%REC	1	5/4/2016 01:27 PM

**TPH EXTRACTABLE BY GC/FID**

**EPA 3510C**

**EPA 8015B**

RunID: <b>GC3_160505C</b>	QC Batch: <b>57292</b>				PrepDate: <b>5/4/2016</b>		Analyst: <b>FJ</b>
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<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: 12-May-16

**CLIENT:** CH2Mhill  
**Lab Order:** N019608  
**Project:** SFPP - Norwalk Site  
**Lab ID:** N019608-001

**Client Sample ID:** EFF-05-03  
**Collection Date:** 5/3/2016 9:45:00 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_160505C</b>	QC Batch: <b>57292</b>			PrepDate: <b>5/4/2016</b>		Analyst: <b>FJ</b>
TPH-Diesel (C13-C22)	ND	16	25	ug/L	1	5/5/2016 01:42 PM
TPH-Oil (C23-C36)	26	14	25	ug/L	1	5/5/2016 01:42 PM
Surr: Octacosane	102	0	26-152	%REC	1	5/5/2016 01:42 PM
Surr: p-Terphenyl	96.4	0	57-132	%REC	1	5/5/2016 01:42 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: <b>GC4_160505A</b>	QC Batch: <b>E16VW031</b>			PrepDate:		Analyst: <b>QBM</b>
TPH-Gasoline (C4-C12)	32	16	50	J ug/L	1	5/5/2016 12:03 PM
Surr: Chlorobenzene - d5	98.3	0	74-138	%REC	1	5/5/2016 12:03 PM

**HEXAVALENT CHROMIUM BY IC**

**EPA 7199**

RunID: <b>IC6_160504A</b>	QC Batch: <b>R108255</b>			PrepDate:		Analyst: <b>JJS</b>
Hexavalent Chromium	ND	0.066	0.20	µg/L	1	5/4/2016 09:13 AM

**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 245.1**

RunID: <b>AA1_160505C</b>	QC Batch: <b>57291</b>			PrepDate: <b>5/4/2016</b>		Analyst: <b>AM</b>
Mercury	ND	0.018	0.050	µg/L	1	5/5/2016 12:04 PM

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

**EPA 200.8**

RunID: <b>ICP7_160505A</b>	QC Batch: <b>57302</b>			PrepDate: <b>5/4/2016</b>		Analyst: <b>CEI</b>
Selenium	ND	0.070	0.50	µg/L	1	5/5/2016 01:18 PM

**TOTAL METALS BY ICPMS**

**EPA 200.8**

RunID: <b>ICP7_160505A</b>	QC Batch: <b>57302</b>			PrepDate: <b>5/4/2016</b>		Analyst: <b>CEI</b>
Copper	ND	0.26	0.50	µg/L	1	5/5/2016 01:18 PM
Lead	ND	0.053	0.50	µg/L	1	5/5/2016 01:18 PM
Thallium	ND	0.034	0.50	µg/L	1	5/5/2016 01:18 PM
Zinc	ND	0.039	10	µg/L	1	5/5/2016 01:18 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: 12-May-16

**CLIENT:** CH2MHill  
**Lab Order:** N019608  
**Project:** SFPP - Norwalk Site  
**Lab ID:** N019608-001

**Client Sample ID:** EFF-05-03  
**Collection Date:** 5/3/2016 9:45:00 AM  
**Matrix:** WASTEWATER

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

**EPA 8015B**

RunID: **GC3\_160505C**      QC Batch: **R108338**      PrepDate:      Analyst: **FJ**  
Total TPH      58    16      50      ug/L      1      5/5/2016

---

<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:** N019608  
**Project:** SFPP - Norwalk Site

**ANALYTICAL QC SUMMARY REPORT**

**TestCode: 160.2\_2540D\_W**

Sample ID: <b>LCS-58367</b>	SampType: <b>LCS</b>	TestCode: <b>160.2_2540D</b>	Units: <b>mg/L</b>	Prep Date: <b>5/10/2016</b>	RunNo: <b>108402</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>58367</b>	TestNo: <b>SM2540D</b>		Analysis Date: <b>5/10/2016</b>	SeqNo: <b>2323774</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter)	941.000	10	1000	0	94.1	80	120				

Sample ID: <b>MB-58367</b>	SampType: <b>MBLK</b>	TestCode: <b>160.2_2540D</b>	Units: <b>mg/L</b>	Prep Date: <b>5/10/2016</b>	RunNo: <b>108402</b>						
Client ID: <b>PBW</b>	Batch ID: <b>58367</b>	TestNo: <b>SM2540D</b>		Analysis Date: <b>5/10/2016</b>	SeqNo: <b>2323775</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>N019608-001E-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>160.2_2540D</b>	Units: <b>mg/L</b>	Prep Date: <b>5/10/2016</b>	RunNo: <b>108402</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>58367</b>	TestNo: <b>SM2540D</b>		Analysis Date: <b>5/10/2016</b>	SeqNo: <b>2323777</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:** N019608  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 160.5\_2540F\_W**

Sample ID: <b>MB-57296</b>	SampType: <b>MBLK</b>	TestCode: <b>160.5_2540F_</b> Units: <b>ml/L</b>	Prep Date: <b>5/4/2016</b>	RunNo: <b>108419</b>							
Client ID: <b>PBW</b>	Batch ID: <b>57296</b>	TestNo: <b>SM2540F</b>	Analysis Date: <b>5/4/2016</b>	SeqNo: <b>2324422</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:** N019608  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 200.8\_W\_DRC**

Sample ID: <b>MB-57302</b>	SampType: <b>MBLK</b>	TestCode: <b>200.8_W_DR</b>	Units: <b>µg/L</b>	Prep Date: <b>5/4/2016</b>	RunNo: <b>108287</b>						
Client ID: <b>PBW</b>	Batch ID: <b>57302</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>5/5/2016</b>	SeqNo: <b>2317227</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-57302</b>	SampType: <b>LCS</b>	TestCode: <b>200.8_W_DR</b>	Units: <b>µg/L</b>	Prep Date: <b>5/4/2016</b>	RunNo: <b>108287</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>57302</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>5/5/2016</b>	SeqNo: <b>2317228</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium 10.226 0.50 10.00 0 102 85 115

Sample ID: <b>N019614-001C-MS</b>	SampType: <b>MS</b>	TestCode: <b>200.8_W_DR</b>	Units: <b>µg/L</b>	Prep Date: <b>5/4/2016</b>	RunNo: <b>108287</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>57302</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>5/5/2016</b>	SeqNo: <b>2317244</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium 12.521 0.50 10.00 3.390 91.3 75 125

Sample ID: <b>N019614-001C-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>200.8_W_DR</b>	Units: <b>µg/L</b>	Prep Date: <b>5/4/2016</b>	RunNo: <b>108287</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>57302</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>5/5/2016</b>	SeqNo: <b>2317245</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium 12.298 0.50 10.00 3.390 89.1 75 125 12.52 1.80 20

**Qualifiers:**

- |  |  |  |
|--|--|--|
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**CLIENT:** CH2MHill  
**Work Order:** N019608  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 200.8\_W\_SFPP**

Sample ID: <b>MB-57302</b>	SampType: <b>MBLK</b>	TestCode: <b>200.8_W_SFPP</b> Units: <b>µg/L</b>	Prep Date: <b>5/4/2016</b>	RunNo: <b>108287</b>							
Client ID: <b>PBW</b>	Batch ID: <b>57302</b>	TestNo: <b>EPA 200.8</b>	Analysis Date: <b>5/5/2016</b>	SeqNo: <b>2317279</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.50									
Lead	ND	0.50									
Thallium	ND	0.50									
Zinc	ND	10									

Sample ID: <b>LCS-57302</b>	SampType: <b>LCS</b>	TestCode: <b>200.8_W_SFPP</b> Units: <b>µg/L</b>	Prep Date: <b>5/4/2016</b>	RunNo: <b>108287</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>57302</b>	TestNo: <b>EPA 200.8</b>	Analysis Date: <b>5/5/2016</b>	SeqNo: <b>2317280</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	9.644	0.50	10.00	0	96.4	85	115				
Lead	10.666	0.50	10.00	0	107	85	115				
Thallium	10.677	0.50	10.00	0	107	85	115				
Zinc	100.806	10	100.0	0	101	85	115				

Sample ID: <b>N019614-001C-MS</b>	SampType: <b>MS</b>	TestCode: <b>200.8_W_SFPP</b> Units: <b>µg/L</b>	Prep Date: <b>5/4/2016</b>	RunNo: <b>108287</b>							
Client ID: <b>ZZZZZ</b>	Batch ID: <b>57302</b>	TestNo: <b>EPA 200.8</b>	Analysis Date: <b>5/5/2016</b>	SeqNo: <b>2317296</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	4.611	0.50	10.00	0	46.1	75	125				S
Lead	10.609	0.50	10.00	0	106	75	125				
Thallium	9.326	0.50	10.00	0.07616	92.5	75	125				
Zinc	82.503	10	100.0	0	82.5	75	125				

Sample ID: <b>N019614-001C-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>200.8_W_SFPP</b> Units: <b>µg/L</b>	Prep Date: <b>5/4/2016</b>	RunNo: <b>108287</b>							
Client ID: <b>ZZZZZ</b>	Batch ID: <b>57302</b>	TestNo: <b>EPA 200.8</b>	Analysis Date: <b>5/5/2016</b>	SeqNo: <b>2317297</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	4.909	0.50	10.00	0	49.1	75	125	4.611	6.25	20	S
Lead	10.553	0.50	10.00	0	106	75	125	10.61	0.528	20	

**Qualifiers:**

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|--|--|--|
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**Work Order:** N019608  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 200.8\_W\_SFPP**

Sample ID: <b>N019614-001C-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>200.8_W_SFPP</b>	Units: <b>µg/L</b>	Prep Date: <b>5/4/2016</b>	RunNo: <b>108287</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>57302</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>5/5/2016</b>	SeqNo: <b>2317297</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Thallium	9.438	0.50	10.00	0.07616	93.6	75	125	9.326	1.20	20	
Zinc	81.122	10	100.0	0	81.1	75	125	82.50	1.69	20	

**Qualifiers:**

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

**TestCode: 2130\_W**

Sample ID: <b>MB-R108241</b>	SampType: <b>MBLK</b>	TestCode: <b>2130_W</b>	Units: <b>NTU</b>	Prep Date:	RunNo: <b>108241</b>						
Client ID: <b>PBW</b>	Batch ID: <b>R108241</b>	TestNo: <b>SM 2130B</b>	Analysis Date: <b>5/4/2016</b>	SeqNo: <b>2315001</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>N019614-002ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>2130_W</b>	Units: <b>NTU</b>	Prep Date:	RunNo: <b>108241</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>R108241</b>	TestNo: <b>SM 2130B</b>	Analysis Date: <b>5/4/2016</b>	SeqNo: <b>2315006</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Turbidity ND 0.10 0 0 30

Sample ID: <b>N019608-001EDUP</b>	SampType: <b>DUP</b>	TestCode: <b>2130_W</b>	Units: <b>NTU</b>	Prep Date:	RunNo: <b>108241</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>R108241</b>	TestNo: <b>SM 2130B</b>	Analysis Date: <b>5/4/2016</b>	SeqNo: <b>2315034</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Turbidity 0.160 0.10 0.1800 11.8 30

**Qualifiers:**

- |  |  |  |
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## ANALYTICAL QC SUMMARY REPORT

**TestCode: 245.1\_W\_LL**

Sample ID: <b>MB-57291</b>	SampType: <b>MBLK</b>	TestCode: <b>245.1_W_LL</b>	Units: <b>µg/L</b>	Prep Date: <b>5/4/2016</b>	RunNo: <b>108267</b>						
Client ID: <b>PBW</b>	Batch ID: <b>57291</b>	TestNo: <b>EPA 245.1</b>		Analysis Date: <b>5/5/2016</b>	SeqNo: <b>2316206</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-57291</b>	SampType: <b>LCS</b>	TestCode: <b>245.1_W_LL</b>	Units: <b>µg/L</b>	Prep Date: <b>5/4/2016</b>	RunNo: <b>108267</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>57291</b>	TestNo: <b>EPA 245.1</b>		Analysis Date: <b>5/5/2016</b>	SeqNo: <b>2316207</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.825	0.050	2.500	0	113	85	115				

Sample ID: <b>N019608-001H-MS</b>	SampType: <b>MS</b>	TestCode: <b>245.1_W_LL</b>	Units: <b>µg/L</b>	Prep Date: <b>5/4/2016</b>	RunNo: <b>108267</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>57291</b>	TestNo: <b>EPA 245.1</b>		Analysis Date: <b>5/5/2016</b>	SeqNo: <b>2316208</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.769	0.050	2.500	0	111	75	125				

Sample ID: <b>N019608-001H-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>245.1_W_LL</b>	Units: <b>µg/L</b>	Prep Date: <b>5/4/2016</b>	RunNo: <b>108267</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>57291</b>	TestNo: <b>EPA 245.1</b>		Analysis Date: <b>5/5/2016</b>	SeqNo: <b>2316209</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.722	0.050	2.500	0	109	75	125	2.769	1.70	20	

**Qualifiers:**

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## ANALYTICAL QC SUMMARY REPORT

**TestCode: 7199\_WPGE**

Sample ID: <b>MB-R108255</b>	SampType: <b>MBLK</b>	TestCode: <b>7199_WPGE</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>108255</b>						
Client ID: <b>PBW</b>	Batch ID: <b>R108255</b>	TestNo: <b>EPA 7199</b>		Analysis Date: <b>5/4/2016</b>	SeqNo: <b>2315519</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>LCS-R108255</b>	SampType: <b>LCS</b>	TestCode: <b>7199_WPGE</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>108255</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>R108255</b>	TestNo: <b>EPA 7199</b>		Analysis Date: <b>5/4/2016</b>	SeqNo: <b>2315520</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexavalent Chromium	4.990	0.20	5.000	0	99.8	90	110
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Sample ID: <b>N019608-001IREP</b>	SampType: <b>DUP</b>	TestCode: <b>7199_WPGE</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>108255</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R108255</b>	TestNo: <b>EPA 7199</b>		Analysis Date: <b>5/4/2016</b>	SeqNo: <b>2315522</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexavalent Chromium	ND	0.20				0	0	20
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Sample ID: <b>N019597-001ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>7199_WPGE</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>108255</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R108255</b>	TestNo: <b>EPA 7199</b>		Analysis Date: <b>5/4/2016</b>	SeqNo: <b>2315524</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexavalent Chromium	1.195	0.20				1.108	7.62	20
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Sample ID: <b>N019597-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>7199_WPGE</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>108255</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R108255</b>	TestNo: <b>EPA 7199</b>		Analysis Date: <b>5/4/2016</b>	SeqNo: <b>2315525</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexavalent Chromium	6.388	0.20	5.000	1.108	106	85	115
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**Qualifiers:**

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## ANALYTICAL QC SUMMARY REPORT

**TestCode: 7199\_WPGE**

Sample ID: <b>N019597-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>7199_WPGE</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>108255</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R108255</b>	TestNo: <b>EPA 7199</b>	Analysis Date: <b>5/4/2016</b>	SeqNo: <b>2315526</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium	6.171	0.20	5.000	1.108	101	85	115	6.388	3.46	20	

**Qualifiers:**

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## ANALYTICAL QC SUMMARY REPORT

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

Sample ID: <b>MB-57292</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_W_FP_</b>	Units: <b>ug/L</b>	Prep Date: <b>5/4/2016</b>	RunNo: <b>108338</b>						
Client ID: <b>PBW</b>	Batch ID: <b>57292</b>	TestNo: <b>EPA 8015B EPA 3510C</b>		Analysis Date: <b>5/5/2016</b>	SeqNo: <b>2319453</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Diesel (C13-C22)	15.404	25									J
TPH-Oil (C23-C36)	15.271	25									J
Surr: Octacosane	81.954		80.00		102	26	152				
Surr: p-Terphenyl	78.120		80.00		97.6	57	132				

**Qualifiers:**

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

**TestCode: 8015\_W\_SFPPTOT**

Sample ID: <b>MB-R108338</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_W_SFP</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>108338</b>						
Client ID: <b>PBW</b>	Batch ID: <b>R108338</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>5/5/2016</b>	SeqNo: <b>2319457</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>E160505LCS</b>	SampType: <b>LCS</b>	TestCode: <b>8015GAS_WS</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>108268</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>E16VW031</b>	TestNo: <b>EPA 8015B</b>	Analysis Date: <b>5/5/2016</b>	SeqNo: <b>2316227</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	860.000	50	1000	0	86.0	67	136				
Surr: Chlorobenzene - d5	42933.000		50000		85.9	74	138				

Sample ID: <b>E160505MB1</b>	SampType: <b>MBLK</b>	TestCode: <b>8015GAS_WS</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>108268</b>						
Client ID: <b>PBW</b>	Batch ID: <b>E16VW031</b>	TestNo: <b>EPA 8015B</b>	Analysis Date: <b>5/5/2016</b>	SeqNo: <b>2316228</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	44.000	50									J
Surr: Chlorobenzene - d5	45200.000		50000		90.4	74	138				

Sample ID: <b>N019608-001BMS</b>	SampType: <b>MS</b>	TestCode: <b>8015GAS_WS</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>108268</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E16VW031</b>	TestNo: <b>EPA 8015B</b>	Analysis Date: <b>5/5/2016</b>	SeqNo: <b>2316232</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	834.000	50	1000	32.00	80.2	67	136				
Surr: Chlorobenzene - d5	43328.000		50000		86.7	74	138				

Sample ID: <b>N019608-001BMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015GAS_WS</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>108268</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E16VW031</b>	TestNo: <b>EPA 8015B</b>	Analysis Date: <b>5/5/2016</b>	SeqNo: <b>2316233</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	871.000	50	1000	32.00	83.9	67	136	834.0	4.34	30	
Surr: Chlorobenzene - d5	43029.000		50000		86.1	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**  
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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:** N019608  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_SFPP**

Sample ID: <b>P160504LCS</b>		SampType: <b>LCS</b>		TestCode: <b>8260_WP_SF</b>		Units: <b>ug/L</b>		Prep Date:		RunNo: <b>108264</b>	
Client ID: <b>LCSW</b>		Batch ID: <b>P16VW087</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>5/4/2016</b>				SeqNo: <b>2316058</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	19.120	0.50	20.00	0	95.6	69	133				
1,2-Dichloroethane	19.220	0.50	20.00	0	96.1	69	132				
2-Butanone	178.940	10	200.0	0	89.5	49	136				
Benzene	18.950	1.0	20.00	0	94.8	81	122				
Di-isopropyl ether	17.180	1.0	20.00	0	85.9	70	130				
Ethylbenzene	18.710	1.0	20.00	0	93.6	73	127				
m,p-Xylene	37.620	1.0	40.00	0	94.1	76	128				
MTBE	17.030	1.0	20.00	0	85.2	65	123				
o-Xylene	18.140	1.0	20.00	0	90.7	80	121				
Tert-amyl methyl ether	17.970	1.0	20.00	0	89.8	70	130				
Tert-Butanol	98.260	5.0	100.0	0	98.3	70	130				
Toluene	18.900	2.0	20.00	0	94.5	77	122				
Xylenes, Total	55.760	2.0	60.00	0	92.9	75	125				
Surr: 1,2-Dichloroethane-d4	23.920		25.00		95.7	72	119				
Surr: 4-Bromofluorobenzene	24.540		25.00		98.2	76	119				
Surr: Dibromofluoromethane	25.790		25.00		103	85	115				
Surr: Toluene-d8	24.220		25.00		96.9	81	120				

Sample ID: <b>P160504LCSD</b>		SampType: <b>LCSD</b>		TestCode: <b>8260_WP_SF</b>		Units: <b>ug/L</b>		Prep Date:		RunNo: <b>108264</b>	
Client ID: <b>LCSS02</b>		Batch ID: <b>P16VW087</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>5/4/2016</b>				SeqNo: <b>2316059</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	19.100	0.50	20.00	0	95.5	69	133	19.12	0.105	20	
1,2-Dichloroethane	19.790	0.50	20.00	0	99.0	69	132	19.22	2.92	20	
2-Butanone	178.670	10	200.0	0	89.3	49	136	178.9	0.151	20	
Benzene	19.310	1.0	20.00	0	96.6	81	122	18.95	1.88	20	
Di-isopropyl ether	17.930	1.0	20.00	0	89.7	70	130	17.18	4.27	20	
Ethylbenzene	18.620	1.0	20.00	0	93.1	73	127	18.71	0.482	20	
m,p-Xylene	38.130	1.0	40.00	0	95.3	76	128	37.62	1.35	20	
MTBE	17.710	1.0	20.00	0	88.6	65	123	17.03	3.91	20	

**Qualifiers:**

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



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NEVADA  
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 P: 702.307.2659 F: 702.307.2691

"Serving Clients with Passion and Professionalism"

**CLIENT:** CH2MHill  
**Work Order:** N019608  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_SFPP**

Sample ID: <b>P160504LCSD</b>		SampType: <b>LCSD</b>		TestCode: <b>8260_WP_SF</b> Units: <b>ug/L</b>			Prep Date:			RunNo: <b>108264</b>		
Client ID: <b>LCSS02</b>		Batch ID: <b>P16VW087</b>		TestNo: <b>EPA 8260B</b>			Analysis Date: <b>5/4/2016</b>			SeqNo: <b>2316059</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
o-Xylene	18.700	1.0	20.00	0	93.5	80	121	18.14	3.04	20		
Tert-amyl methyl ether	18.710	1.0	20.00	0	93.6	70	130	17.97	4.03	20		
Tert-Butanol	110.300	5.0	100.0	0	110	70	130	98.26	11.5	20		
Toluene	20.010	2.0	20.00	0	100	77	122	18.90	5.71	20		
Xylenes, Total	56.830	2.0	60.00	0	94.7	75	125	55.76	1.90	20		
Surr: 1,2-Dichloroethane-d4	25.700		25.00		103	72	119		0			
Surr: 4-Bromofluorobenzene	25.190		25.00		101	76	119		0			
Surr: Dibromofluoromethane	27.300		25.00		109	85	115		0			
Surr: Toluene-d8	26.180		25.00		105	81	120		0			

Sample ID: <b>P160504MB3</b>		SampType: <b>MBLK</b>		TestCode: <b>8260_WP_SF</b> Units: <b>ug/L</b>			Prep Date:			RunNo: <b>108264</b>		
Client ID: <b>PBW</b>		Batch ID: <b>P16VW087</b>		TestNo: <b>EPA 8260B</b>			Analysis Date: <b>5/4/2016</b>			SeqNo: <b>2316062</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										
2-Butanone	ND	10										
Benzene	ND	1.0										
Di-isopropyl ether	ND	1.0										
Ethylbenzene	ND	1.0										
m,p-Xylene	ND	1.0										
MTBE	ND	1.0										
o-Xylene	ND	1.0										
Tert-amyl methyl ether	ND	1.0										
Tert-Butanol	ND	5.0										
Toluene	ND	2.0										
Xylenes, Total	ND	2.0										
Surr: 1,2-Dichloroethane-d4	25.310		25.00		101	72	119					
Surr: 4-Bromofluorobenzene	24.590		25.00		98.4	76	119					
Surr: Dibromofluoromethane	26.910		25.00		108	85	115					

**Qualifiers:**

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



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**CLIENT:** CH2MHill  
**Work Order:** N019608  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_SFPP**

Sample ID: <b>P160504MB3</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_SF</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>108264</b>						
Client ID: <b>PBW</b>	Batch ID: <b>P16VW087</b>	TestNo: <b>EPA 8260B</b>	Analysis Date: <b>5/4/2016</b>	SeqNo: <b>2316062</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	26.100		25.00		104	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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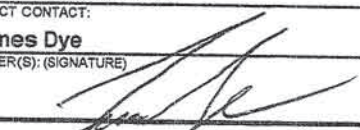
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Advanced Technology Laboratories  
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 Tel: 702-307-2659 Fax: 702-307-2691  
 Marlon Cartin (marlon@atl-labs.com)

CHAIN OF CUSTODY RECORD

DATE: 5/3/16  
 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"/>		
TEL: <b>714-560-4802</b>	FAX: <b>714-560-4601</b>	E-MAIL: <b>James.dye@kindermorgan.com</b>						

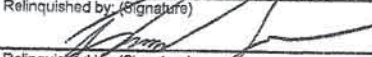
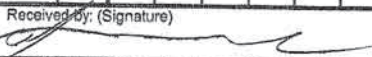
TURNAROUND TIME  
 SAME DAY  24 HR  48HR  72 HR  5 DAYS  10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)  
 RWQCB REPORTING  ARCHIVE SAMPLES UNTIL    /    /   

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

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING		MAT- RIX	NO. OF CONT.	Oil & Grease (1664)	TPH-g, TPH-oil, and TPH-oil (8015B)	Settleable Solids (SM2540F)	Total Suspended Solids (SM2540D)	Phenol (420.1)	BTEX, 1,1-DCA, 1,2-DCA (8260B)	MTBE and TBA, (8260B) 48HR TAT	Cu, Pb, Se, Ti, and Zn (200.8); 48 Hr TAT	Hg (246-1); 48 Hr TAT	Cr VI (7199)	Ammonia Nitrogen (as N) (SM-4500 NH3C)	DIPE, TAME, and MEK (8260B)	MBAs (SM 5540C)	Turbidity (SM2130B)	Comments	
			DATE	TIME																		
	EFF-05-03	Effluent	5/3/16	0945	WW	19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N019608-01	

Relinquished by: (Signature) 	Received by: (Signature) 	Date: <b>5-3-16</b>	Time: <b>16:10</b>
Relinquished by: (Signature) <b>5-3-16 17:05</b>	Received by: (Signature) <b>Yoenberw Rodriguez</b>	Date: <b>5/4/16</b>	Time: <b>8:10 am</b>
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

# 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: 5/4/2016 Workorder: N019608  
 Rep sample Temp (Deg C): 4.8 IR Gun ID: 2  
 Temp Blank:  Yes  No  
 Carrier name: Golden State Overnight  
 Last 4 digits of Tracking No.: 4440 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  No  Not Present
2. Custody seals intact, signed, dated on shipping container/cooler? Yes  No  Not Present
3. Custody seals intact on sample bottles? Yes  No  Not Present
4. Chain of custody present? Yes  No
5. Sampler's name present in COC? Yes  No
6. Chain of custody signed when relinquished and received? Yes  No
7. Chain of custody agrees with sample labels? Yes  No
8. Samples in proper container/bottle? Yes  No
9. Sample containers intact? Yes  No
10. Sufficient sample volume for indicated test? Yes  No
11. All samples received within holding time? Yes  No
12. Temperature of rep sample or Temp Blank within acceptable limit? Yes  No  NA
13. Water - VOA vials have zero headspace? Yes  No  NA
14. Water - pH acceptable upon receipt?  
 Example: pH > 12 for (CN,S); pH<2 for Metals  
 Yes  No  NA
15. Did the bottle labels indicate correct preservatives used? Yes  No  NA
16. Were there Non-Conformance issues at login?  
 Was Client notified? Yes  No  NA

Comments:

Checklist Completed By: YR HR For: HR 5/4/2016

Reviewed By: gag 05/09/16

# ASSET Laboratories

## WORK ORDER Summary

04-May-16

WorkOrder: N019608

Client ID: CH2HI03

Project: SFPP - Norwalk Site

QC Level: RTNE

Date Received: 5/4/2016

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
N019608-001A	EFF-05-03	5/3/2016 9:45:00 AM	5/11/2016	Wastewater		Oil and Grease Sample Prep	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
			5/11/2016		EPA 1664 _HEM BOD	Hexane Extractable Material (HEM)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N019608-001B			5/11/2016		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VW
N019608-001C			5/11/2016		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			5/11/2016		EPA 8015B	TPH EXTRACTABLE BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			5/11/2016		EPA 8015B	Total TPH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N019608-001D			5/11/2016		SM2540F	SETTLEABLE MATTER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Consumed
			5/11/2016			Settleable Matter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Consumed
N019608-001E			5/11/2016		SM2540D	TOTAL NON-FILTERABLE RESIDUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	QBM
			5/11/2016			Total Suspended Solids Prep	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	QBM
			5/11/2016		SM 2130B	TURBIDITY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	QBM
N019608-001F			5/11/2016		EPA 420.1	PHENOLICS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N019608-001G			5/6/2016		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VW
N019608-001H			5/6/2016			AQPREP TOTAL METALS: ICP, FLAA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			5/6/2016		EPA 200.8	TOTAL METALS BY COLLISION/REACTION CELL ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			5/6/2016		EPA 200.8	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			5/6/2016		EPA 245.1	MERCURY BY COLD VAPOR TECHNIQUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			5/6/2016			MERCURY PREP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N019608-001I			5/11/2016		EPA 7199	Hexavalent Chromium by IC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	JJS
N019608-001J			5/11/2016		SM4500-NH3C	AMMONIA-N	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB

# ASSET Laboratories

## WORK ORDER Summary

04-May-16

**WorkOrder:** N019608

**Client ID:** CH2HI03

**Project:** SFPP - Norwalk Site

**QC Level:** RTNE

**Date Received:** 5/4/2016

**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
N019608-001K	EFF-05-03	5/3/2016 9:45:00 AM	5/11/2016	Wastewater	SM 5540 C	SURFACTANTS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N019608-002A	FOLDER		5/6/2016		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB





**ASSET Laboratories**

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www.atl-labs.com  
TEL: 7023072659 FAX: 7023072691

# CHAIN-OF-CUSTODY RECORD

QC Level: RTNE

Subcontractor:

BC Labs  
4100 Atlas Court  
Bakersfield, CA 93308

TEL: (661) 327-4911  
FAX: (661) 327-1918  
Acct #:

Field Sampler: James Dye

04-May-16

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests		
				SM4500-NH3C		
N019608-001A / EFF-05-03	Wastewater	5/3/2016 9:45:00 AM	32OZG			
N019608-001F / EFF-05-03	Wastewater	5/3/2016 9:45:00 AM	32OZA			
N019608-001J / EFF-05-03	Wastewater	5/3/2016 9:45:00 AM	16OZP	1		
N019608-001K / EFF-05-03	Wastewater	5/3/2016 9:45:00 AM	32OZP			

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

Please use PO#: N19608A Please email Invoices and Account Receivable Statements to AssetAP@assetlaboratories.com. For questions, call Marlon at (702)-307-2659. Please e-mail results to reports.lv@assetlaboratories.com by: Normal TAT.

Please analyze for Oil & Grease, Ammonia, Phenols and MBAs.

		Date/Time	650 #: 531817762			Date/Time
Relinquished by:	<i>Yoandry Rodriguez</i>	4/5/16 17:00	Received by:	_____	_____	_____
Relinquished by:	_____	_____	Received by:	_____	_____	_____



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# CHAIN-OF-CUSTODY RECORD

QC Level: RTNE

**Subcontractor:**

BC Labs  
4100 Atlas Court  
Bakersfield, CA 93308

TEL: (661) 327-4911  
FAX: (661) 327-1918  
Acct #:

Field Sampler: James Dye

04-May-16

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests		
				EPA 1664_HEM Rev E	EPA 420.1	SM 5540 C
N019608-001A / EFF-05-03	Wastewater	5/3/2016 9:45:00 AM	32OZG	1		
N019608-001F / EFF-05-03	Wastewater	5/3/2016 9:45:00 AM	32OZA		1	
N019608-001J / EFF-05-03	Wastewater	5/3/2016 9:45:00 AM	16OZP			
N019608-001K / EFF-05-03	Wastewater	5/3/2016 9:45:00 AM	32OZP			1

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

Please use PO#: N19608A Please email Invoices and Account Receivable Statements to AssetAP@assetlaboratories.com. For questions, call Marlon at (702)-307-2659. Please e-mail results to reports.lv@assetlaboratories.com by: Normal TAT.

Please analyze for Oil & Grease, Ammonia, Phenols and MBAs.

	Date/Time	650 #: 531817762	Date/Time
Relinquished by: <u>Yoonaw Rodriguez</u>	<u>4/5/16 17:00</u>	Received by: _____	_____
Relinquished by: _____	_____	Received by: _____	_____



# CHAIN OF CUSTODY RECORD

Contact us:  
 Nevada: 3151 W. Post Road, Las Vegas, NV 89118  
 P: 702.307.2659 F: 702.3072691  
 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 1 of 1

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"/>	
Phone: Fax:		Address:		Email to: PO#		Labspec <input type="checkbox"/>		CalTrans <input type="checkbox"/>		2. Headspace <input type="checkbox"/>	
Submitted By: <b>Molky Brar</b>		Address:		Email to: PO#		Others <input type="checkbox"/>		Level III <input type="checkbox"/>		3. Container Intact <input type="checkbox"/>	
Title:		Phone: Fax:		Phone: Fax:		Specify:		LEVEL IV <input type="checkbox"/>		4. Seal Present <input type="checkbox"/>	
Signature: Date:		Sampled By:		Signature: Date:		Global ID:		Regulatory <input type="checkbox"/>		5. IR number	
I hereby authorize ASSET Labs to perform the tests indicated below:		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.						Specify State:		6. Method of Cooling	
Project Name: <b>SPPP-Norwalk site</b>										Sample Temp:	
Project Number:		Signature: Date:									

Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others	Remarks
1		EFF-05-03	5/3/16	9:45	ww		Phenol (470.1) MBAS (SM 5540C) Ammonia nitrogen	3 E
2								
3								
4								
5								
6								
7								
8								
9								
10								

Relinquished by (Signature and Printed Name):	Date / Time: <b>5-3-16 17:05</b>	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 checked="" 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> <b>5 Day TAT Req.</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 3 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% 1 Workday = 50% 3 Workdays = 30% 4 Workdays = 20%  
 3. Custom EDD formats will be an additional 1% 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.

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

**Preservatives:**  
 H = HCl N = HNO3 S = H2SO4 C = 4°C  
 Z = Zn(Ac) D = NaOH T = NaOH/O2

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

Others/Specify: \_\_\_\_\_  
 Values & Units: \_\_\_\_\_

White = Laboratory Copy





# 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](http://www.assetlaboratories.com)

Page 1 of 1

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"/>	
Phone: Fax:		Address:		Email to: PO#		Labspec <input type="checkbox"/>		CalTrans <input type="checkbox"/>		2. Headspace <input type="checkbox"/>	
Submitted By: <b>Molky Brar</b>		Address:		Email to: PO#		Others <input type="checkbox"/>		Level III <input type="checkbox"/>		3. Container Intact <input type="checkbox"/>	
Title:		Phone: Fax:		Phone: Fax:		Specify:		LEVEL IV <input type="checkbox"/>		4. Seal Present <input type="checkbox"/>	
Signature: Date:		Sampled By:		Signature: Date:		Global ID:		Regulatory <input type="checkbox"/>		5. IR number	
I hereby authorize ASSET Labs to perform the tests indicated below:		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.						Specify State:		6. Method of Cooling	
Project Name: <b>SPPP-Norwalk site</b>										Sample Temp:	
Project Number:		Signature: Date:									

Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others	Remarks
1		EFF-05-03	5/3/16	9:45	ww		Phenol (470.1) MBAS (SM 5540C) Ammonia nitrogen	3 E
2								
3								
4								
5								
6								
7								
8								
9								
10								

Relinquished by (Signature and Printed Name):	Date / Time: <b>5-3-16 17:05</b>	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 checked="" 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> <b>5 Day TAT Req.</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 3 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% 1 Workday = 50% 3 Workdays = 30% 4 Workdays = 20%  
 3. Custom EDD formats will be an additional 1% 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.

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

White = Laboratory Copy

<b>Preservatives:</b>				<b>Container Type:</b>		
H = HCl	N = HNO <sub>3</sub>	S = H <sub>2</sub> SO <sub>4</sub>	C = 4°C	T = Tube	V = VOA	P = Pint
Z = Zn(Ac)	D = NaOH	T = NaOAc/O <sub>2</sub>		J = Jar	B = Tedlar	G = Glass
Others/Specify:				M = Metal	P = Plastic	C = Can



800-322-5555 www.gso.com

**Ship From**  
ASSET LABORATORIES  
MOLKY BRAR  
11110 ARTESIA BLVD. SUITE B  
CERRITOS, CA 90703

Tracking #: 531804440

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



51402337

Print Date: 5/3/2016 5:32 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.

4.8°C  
JR# 2



Date of Report: 0/ 216201M

Requested by: Arar

3SSET Laboratories

51/ 1-51/ 5 W. Post Rd  
Las Vegas, NV 89118

Client Project: N019M08: SFPP - Norwalk Site

ACL Project: Cerritos

ACL Work Order: 1M16478

Invoice ID: A654885

Enclosed are the results of analyses for samples received by the laboratory on / 216201M. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Vanessa Sandoval  
Client Service Rep

Authorized Signature

Certifications: C3 EL3P #118M NV #C300014; OR EL3P #4056-001; 3K UST101

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CHAIN-OF-CUSTODY RECORD



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

16-12478

QC Level: RTNE

Subcontractor:

BC Labs
4100 Atlas Court
Bakersfield, CA 93308

TEL: (661) 327-4911
FAX: (661) 327-1918
Acct #:

Field Sampler: James Dye

04-May-16

Table with columns: Sample ID, Matrix, Date Collected, Bottle Type, EPA 1664\_HEM Rev E, EPA 420.1, Requested Tests, SM 5540 C. Rows include sample IDs N019608-001A through 001K with corresponding matrix and collection data.

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

Please use PO#: N19608A Please email Invoices and Account Receivable Statements to AssetAP@assetlaboratories.com. For questions, call Marlon at (702)-307-2659. Please e-mail results to reports.lv@assetlaboratories.com by: Normal TAT.

Please analyze for Oil & Grease, Ammonia, Phenols and MBAs.

Relinquished by: Yoanbra Rodriguez Date/Time: 4/5/16 17:00
Received by: [Signature] Date/Time: 5.5.16 16:11



Page 2 of 2

# CHAIN-OF-CUSTODY RECORD

16-12478

**ASSET Laboratories**  
 3151-3753 W Post Rd., Las Vegas, NV 89118  
 www.aill-labs.com  
 TEL: 7023072659 FAX: 7023072691

Subcontractor:  
 BC Labs  
 4100 Atlas Court  
 Bakersfield, CA 93308

TEL: (661) 327-4911  
 FAX: (661) 327-1918  
 Acct #:

QC Level: RTNE

Field Sampler: James Dye

04-May-16

Sample ID	Matrix	Date Collected	Bottle Type	SM4500-NH3C	Requested Tests
N019608-001A / EFF-05-03	Wastewater	5/3/2016 9:45:00 AM	32OZG		
N019608-001F / EFF-05-03	Wastewater	5/3/2016 9:45:00 AM	32OZA		
N019608-001J / EFF-05-03	Wastewater	5/3/2016 9:45:00 AM	16OZP	1	
N019608-001K / EFF-05-03	Wastewater	5/3/2016 9:45:00 AM	32OZP		

General Comments: Please email sample receipt acknowledgement to the PM.  
 Please use PO#: N19608A Please email Invoices and Account Receivable Statements to AssetAP@assetlaboratories.com. For questions, call Marlon at (702)-307-2659. Please e-mail results to reports.lv@assetlaboratories.com by: Normal TAT  
 Please analyze for Oil & Grease, Ammonia, Phenols and MBAs.

Relinquished by: Yvandro Rodriguez Date/Time: 4/5/16 17:00

Received by: [Signature] Date/Time: 5.5.16 10:11

Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

OSO #: 531817762

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16-12478

**Vanessa Sandoval**

**From:** Hanah Glodoviza <hanah.glodoviza@assetlaboratories.com>  
**Sent:** Wednesday, May 04, 2016 8:46 PM  
**To:** Vanessa Sandoval  
**Cc:** 'Molky Brar'  
**Subject:** Official Sub COC for BCL No. 1612478

Hi Vanessa,

We ship out Oil and Grease sample today for tomorrow's delivery.

Please log it in together with our Ammonia, Phenol and MBAS sample with ID EFF-05-03 (BCL # 1612478).

Please refer invoice to the specified PO number.

Thanks,

**Hanah Glodoviza**



**ASSET LABORATORIES**  
ANALYTICAL SERVICES | ENVIRONMENTAL TECHNOLOGIES

California: 11060 Artesia Blvd., Ste. C, Cerritos, CA 90703 | P: 562.219.7435 | F: 562.219.7436  
 Nevada: 3151 W. Post Road, Las Vegas, NV 89118 | P: 702.307.2659 | F: 702.307.2691  
[www.assetlaboratories.com](http://www.assetlaboratories.com)

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BC LABORATORIES INC. COOLER RECEIPT FORM Page 1 Of 2

Submission #: 16-12478

SHIPPING INFORMATION: Fed Ex  UPS  Ontrac  Hand Delivery  BC Lab Field Service  Other  (Specify) SSO

SHIPPING CONTAINER: Ice Chest  None  Box  Other  (Specify) \_\_\_\_\_

FREE LIQUID: YES  NO

Refrigerant: Ice  Blue Ice  None  Other  Comments: \_\_\_\_\_

Custody Seals: Ice Chest  Containers  None  Intact? Yes  No  Intact? Yes  No  Comments: \_\_\_\_\_

All samples received? Yes  No  All samples containers intact? Yes  No  Description(s) match COC? Yes  No

COC Received:  YES  NO

Emissivity: 0.95 Container: PE Thermometer ID: 208 Date/Time: 5/16/10

Temperature: (A) 7.7 °C / (C) 7.8 °C Analyst Init: VMB

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES	B									
4oz / 8oz / 16oz PE UNPRES										
2oz Cr*										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS	A									
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS <u>32oz</u>	C									
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664	DIST									
PT ODOR	SLH									
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments: \_\_\_\_\_

Sample Numbering Completed By: JPC Date/Time: 5-4-10 1410 Rev 20 07/24/2015

Actual / C = Corrected

IS:\WPDoc\WordPerfect\LAB\_DCS\FORMS\SAMRECrev 20



BC LABORATORIES INC. COOLER RECEIPT FORM Page 2 of 2

Submission #: 16-12478

SHIPPING INFORMATION: Fed Ex  UPS  Ontrac  Hand Delivery  BC Lab Field Service  Other  (Specify) G50

SHIPPING CONTAINER: Ice Chest  None  Box  Other  (Specify)

FREE LIQUID: YES  NO

Refrigerant: Ice  Blue Ice  None  Other  Comments:

Custody Seals: Ice Chest  Containers  None  Intact? Yes  No

All samples received? Yes  No  All samples containers intact? Yes  No  Description(s) match COC? Yes  No

COC Received: YES  NO  Emissivity: 97 Container: Glass Thermometer ID: 208 Date/Time: 5.5.16 Analyst Init: [Signature]

Temperature: (A) 2.9 °C / (C) 2.8 °C

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr <sup>6</sup>										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664		DGF								
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments: [Signature]

Sample Numbering Completed By: [Signature] Date/Time: 5/5/16 1418 Rev 20 07/24/2015

A = Actual / C = Corrected

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3SSET Laboratories  
51/ 1-51/ 5 W. Post Rd  
Las Vegas, NV 89118

**Reported:** 0/ 216201M 9:0M  
**Project:** Cerritos  
**Project Number:** N019M08: SFPP - NorwalB Site  
**Project Manager:** k olBy Arar

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1612478-01	<b>COC Number:</b>	---	<b>Receive Date:</b>	0/ 204201M 10:40
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	0/ 205201M 09:4/
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	EFF-0/ -05	<b>Lab Matrix:</b>	Water
	<b>Sampled By:</b>	Client	<b>Sample Type:</b>	Wastewater

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3SSET Laboratories  
51/ 1-51/ 5 W. Post Rd  
Las Vegas, NV 89118

**Reported:** 0/ 216201M 9:0M  
**Project:** Cerritos  
**Project Number:** N019M08: SFPP - NorwalB Site  
**Project Manager:** k olBy Arar

### EPA Method 1664

<b>BCL Sample ID:</b> 1M16478-01	<b>Client Sample Name:</b> EFF-0/ -05, / 2201M 9:4/ :003k , Client
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Oil and Grease	ND	mg/L	/.0	0.7M	EP3-1M#3 J Ek	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EP3-1M#3 J Ek	0/ 2092M	0/ 2092M 10:00	k 3k	k 3N-SV	1	AHE08/ 8

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3SSET Laboratories  
51/ 1-51/ 5 W. Post Rd  
Las Vegas, NV 89118

**Reported:** 0/ 216201M 9:0M  
**Project:** Cerritos  
**Project Number:** N019M08: SFPP - NorwalB Site  
**Project Manager:** k olBy Arar

### Water Analysis (General Chemistry)

<b>BCL Sample ID:</b> 1M16478-01	<b>Client Sample Name:</b> EFF-0/ -05, / 20201M 9:4/ :003k , Client
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ammonia as N	ND	mg/L	0.10	0.01/	EP3-46/ .1	ND		1
<b>Total Phenolics</b>	<b>19</b>	<b>ug/L</b>	<b>50</b>	<b>10</b>	<b>EPA-420.4</b>	61	J	6
Ammonia as N	ND	mg/L	0.15	0.050	EP3-5/ 0.1	ND		5

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EP3-46/ .1	0/ 2021M	0/ 2021M 1M00	Zk N	k 3NU3L	1	AHE051/
6	EP3-460.4	0/ 20/ 21M	0/ 2021M 09:64	Zk J	KONE-1	1	AHE04/ 0
5	EP3-5/ 0.1	0/ 20/ 21M	0/ 20/ 21M 15:/ 5	Zk J	SC-1	1	AHE059M

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3SSET Laboratories  
51/ 1-51/ 5 W. Post Rd  
Las Vegas, NV 89118

**Reported:** 0/ 216201M 9:0M  
**Project:** Cerritos  
**Project Number:** N019M08: SFPP - NorwalB Site  
**Project Manager:** k olBy Arar

### EPA Method 1664

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BZE0858</b>						
Oil and Grease	AHE08/ 8-ALK1	ND	mg/L	1.0	0.7M	

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3SSET Laboratories  
51/ 1-51/ 5 W. Post Rd  
Las Vegas, NV 89118

**Reported:** 0/ 216201M 9:0M  
**Project:** Cerritos  
**Project Number:** N019M08: SFPP - NorwalB Site  
**Project Manager:** k olBy Arar

### EPA Method 1664

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: BZE0858</b>										
Oil and Grease	AHE08/ 8-AS1	LCS	40.500	46.500	mg2	9/ .5		78 - 114		

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Las Vegas, NV 89118

**Reported:** 0/ 216201M 9:0M  
**Project:** Cerritos  
**Project Number:** N019M08: SFPP - NorwalB Site  
**Project Manager:** k olBy Arar

### EPA Method 1664

### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent		Lab Quals
								Recovery	RPD	
<b>QC Batch ID: BZE0858</b>		Used client sample: N								
Oil and Grease	DUP	1M07674-88	ND	ND		mgL				18
	k S	1M07674-88	ND	59.800	46.500	mgL		94.1		78 - 114
	k SD	1M07674-88	ND	57. / 00	46.500	mgL	M0	88.7	18	78 - 114

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**Reported:** 0/ 216201M 9:0M  
**Project:** Cerritos  
**Project Number:** N019M08: SFPP - NorwalB Site  
**Project Manager:** k olBy Arar

## Water Analysis (General Chemistry)

### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BZE0315</b>						
Ammonia as N	AHE051/-ALK1	ND	mg/L	0.10	0.01	
<b>QC Batch ID: BZE0396</b>						
Ammonia as N	AHE059MALK1	ND	mg/L	0.15	0.050	
<b>QC Batch ID: BZE0450</b>						
Total Phenolics	BZE0450-BLK1	21.030	ug/L	50	10	J

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**Reported:** 0/ 216201M 9:0M  
Project: Cerritos  
Project Number: N019M08: SFPP - NorwalB Site  
Project manager: k olBy Arar

## Water Analysis (General Chemistry)

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: BZE0315</b>										
Ammonia as N	AHE051/ -AS1	LCS	0.60M0	0.60000	mg/L	105		8/ - 11/		
<b>QC Batch ID: BZE0396</b>										
Ammonia as N	AHE059MAS1	LCS	1.61M#	1.61M0	mg/L	100		90 - 110		
<b>QC Batch ID: BZE0450</b>										
Total Phenolics	AHE04/ 0-AS1	LCS	1.5/ .76	1.00.00	ug/L	107		8/ - 11/		

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Reported: 0/ 216201M 9:0M  
Project: Cerritos  
Project Number: N019M08: SFPP - NorwalB Site  
Project Manager: k olBy Arar

### Water Analysis (General Chemistry)

### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab
								Percent Recovery	Percent Recovery	
<b>QC Batch ID: BZE0315</b>		Used client sample: N								
k A3S	DUP	1M165/ 6-01	ND	ND		mg2			60	
	k S	1M165/ 6-01	ND	0.41840	0.40000	mg2		10/	80 - 160	
	k SD	1M165/ 6-01	ND	0.46580	0.40000	mg2	1.5	10M	60	80 - 160
<b>QC Batch ID: BZE0396</b>		Used client sample: N								
Ammonia as NH3	DUP	1612286-01	0.062259	0.048518		mg/L	24.8		10	J,A02
	k S	1612286-01	0.062259	1.3596	1.3511	mg/L		96.0	90 - 110	
	k SD	1612286-01	0.062259	1.3838	1.3511	mg/L	1.8	97.8	10	90 - 110
<b>QC Batch ID: BZE0450</b>		Used client sample: N								
Total Phenolics	DUP	1M119/ 9-01	5/ .6M	5M590		ug2	5.6		60	Z
	k S	1M119/ 9-01	5/ .6M	// 7.44	/ 00.00	ug2		104	80 - 160	
	k SD	1M119/ 9-01	5/ .6M	/ 5/ .66	/ 00.00	ug2	4.1	100	60	80 - 160

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**Reported:** 0/ 216201M 9:0M  
**Project:** Cerritos  
**Project Number:** N019M08: SFPP - NorwalB Site  
**Project Manager:** k olBy Arar

**Notes And Definitions**

- Z Estimated Value (CLP Flag)
- k DL k ethod Detection Limit
- ND 3 nalyte Not Detected
- PQL Practical Quantitation Limit
- 306 The difference between duplicate readings is less than the quantitation limit.

June 23, 2016

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

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

TEL:  
FAX:

Workorder No.: N020073

RE: SFPP - Norwalk Site

Attention: Dan Jablonski

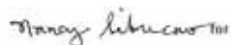
Enclosed are the results for sample(s) received on June 14, 2016 by ASSET Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

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

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

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

Sincerely,



Puri Romualdo  
Laboratory Director

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



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3151 W. Post Rd., Las Vegas, NV 89118  
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**CLIENT:** CH2MHill  
**Project:** SFPP - Norwalk Site  
**Lab Order:** N020073

**CASE NARRATIVE**

**SAMPLE RECEIVING/GENERAL COMMENTS:**

Samples were received intact with proper chain of custody documentation.

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

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

Samples were analyzed within method holding time.

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

**Subcontracted Analyses:**

Phenols was subcontracted to BC Labs- Bakersfield,CA.

**Analytical Comments for EPA 200.8:**

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for Copper & Zinc in QC samples N020073-001H-MS and N020073-001H-MSD possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.



**CLIENT:** CH2MHill  
**Project:** SFPP - Norwalk Site  
**Lab Order:** N020073  
**Contract No:**

**Work Order Sample Summary**

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N020073-001A	EFF-06-14	Wastewater	6/14/2016 1:00:00 PM	6/14/2016	6/23/2016
N020073-001B	EFF-06-14	Wastewater	6/14/2016 1:00:00 PM	6/14/2016	6/23/2016
N020073-001C	EFF-06-14	Wastewater	6/14/2016 1:00:00 PM	6/14/2016	6/23/2016
N020073-001D	EFF-06-14	Wastewater	6/14/2016 1:00:00 PM	6/14/2016	6/23/2016
N020073-001E	EFF-06-14	Wastewater	6/14/2016 1:00:00 PM	6/14/2016	6/23/2016
N020073-001F	EFF-06-14	Wastewater	6/14/2016 1:00:00 PM	6/14/2016	6/23/2016
N020073-001H	EFF-06-14	Wastewater	6/14/2016 1:00:00 PM	6/14/2016	6/23/2016
N020073-001I	EFF-06-14	Wastewater	6/14/2016 1:00:00 PM	6/14/2016	6/23/2016
N020073-001J	EFF-06-14	Wastewater	6/14/2016 1:00:00 PM	6/14/2016	6/23/2016



**ASSET Laboratories**

**ANALYTICAL RESULTS**

Print Date: 23-Jun-16

**CLIENT:** CH2MHill  
**Lab Order:** N020073  
**Project:** SFPP - Norwalk Site  
**Lab ID:** N020073-001

**Client Sample ID:** EFF-06-14  
**Collection Date:** 6/14/2016 1:00:00 PM  
**Matrix:** WASTEWATER

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

**SM2540D**

RunID: <b>WETCHEM_160616B</b>	QC Batch: <b>58758</b>				PrepDate	<b>6/16/2016</b>	Analyst: <b>LR</b>
Suspended Solids (Residue, Non-Filterable)	ND	10	10		mg/L	1	6/16/2016 10:19 AM

**SETTLABLE MATTER**

**SM2540F**

RunID: <b>WETCHEM_160615F</b>	QC Batch: <b>58744</b>				PrepDate	<b>6/15/2016</b>	Analyst: <b>QBM</b>
Settleable Matter	ND	0.090	0.090		ml/L	1	6/15/2016

**HEXANE EXTRACTABLE MATERIAL (HEM)**

**EPA 1664 \_HEM REV B**

RunID: <b>WETCHEM_160615A</b>	QC Batch: <b>58742</b>				PrepDate	<b>6/15/2016</b>	Analyst: <b>LR</b>
Oil & Grease	ND	0.68	4.2		mg/L	1	6/15/2016 08:45 AM

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: <b>MS5_160615A</b>	QC Batch: <b>P16VW120</b>				PrepDate		Analyst: <b>RB</b>
1,1-Dichloroethane	ND	0.022	0.50		ug/L	1	6/15/2016 01:02 PM
1,2-Dichloroethane	ND	0.064	0.50		ug/L	1	6/15/2016 01:02 PM
Benzene	ND	0.036	1.0		ug/L	1	6/15/2016 01:02 PM
Ethylbenzene	ND	0.036	1.0		ug/L	1	6/15/2016 01:02 PM
m,p-Xylene	ND	0.024	1.0		ug/L	1	6/15/2016 01:02 PM
MTBE	ND	0.062	1.0		ug/L	1	6/15/2016 01:02 PM
o-Xylene	ND	0.042	1.0		ug/L	1	6/15/2016 01:02 PM
Tert-Butanol	ND	0.30	5.0		ug/L	1	6/15/2016 01:02 PM
Toluene	ND	0.042	2.0		ug/L	1	6/15/2016 01:02 PM
Xylenes, Total	ND	1.5	2.0		ug/L	1	6/15/2016 01:02 PM
Surr: 1,2-Dichloroethane-d4	110	0	72-119		%REC	1	6/15/2016 01:02 PM
Surr: 4-Bromofluorobenzene	99.3	0	76-119		%REC	1	6/15/2016 01:02 PM
Surr: Dibromofluoromethane	114	0	85-115		%REC	1	6/15/2016 01:02 PM
Surr: Toluene-d8	101	0	81-120		%REC	1	6/15/2016 01:02 PM

**TPH EXTRACTABLE BY GC/FID**

**EPA 3510C**

**EPA 8015B**

RunID: <b>GC3_160617A</b>	QC Batch: <b>58754</b>				PrepDate	<b>6/16/2016</b>	Analyst: <b>FJ</b>
TPH-Diesel (C13-C22)	ND	16	26		ug/L	1	6/23/2016 12:46 PM
TPH-Oil (C23-C36)	24	14	26	J	ug/L	1	6/23/2016 12:46 PM
Surr: Octacosane	88.6	0	26-152		%REC	1	6/23/2016 12:46 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: 23-Jun-16

<b>CLIENT:</b> CH2MHill	<b>Client Sample ID:</b> EFF-06-14
<b>Lab Order:</b> N020073	<b>Collection Date:</b> 6/14/2016 1:00:00 PM
<b>Project:</b> SFPP - Norwalk Site	<b>Matrix:</b> WASTEWATER
<b>Lab ID:</b> N020073-001	

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_160617A</b>	QC Batch: <b>58754</b>			PrepDate	<b>6/16/2016</b>		Analyst: <b>FJ</b>
Surr: p-Terphenyl	84.4	0	57-132	%REC	1		6/23/2016 12:46 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: <b>GC4_160623A</b>	QC Batch: <b>E16VW040</b>			PrepDate			Analyst: <b>QBM</b>
TPH-Gasoline (C4-C12)	40	16	50	J	ug/L	1	6/23/2016 12:52 PM
Surr: Chlorobenzene - d5	118	0	74-138	%REC	1		6/23/2016 12:52 PM

**HEXAVALENT CHROMIUM BY IC**

**EPA 7199**

RunID: <b>IC7_160615A</b>	QC Batch: <b>R108960</b>			PrepDate			Analyst: <b>JJS</b>
Hexavalent Chromium	ND	0.066	0.20		ug/L	1	6/15/2016 12:01 PM

**MERCURY BY COLD VAPOR TECHNIQUE**

**EPA 245.1**

RunID: <b>AA1_160615B</b>	QC Batch: <b>58733</b>			PrepDate	<b>6/15/2016</b>		Analyst: <b>AM</b>
Mercury	ND	0.018	0.050		ug/L	1	6/15/2016 12:32 PM

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

**EPA 200.8**

RunID: <b>ICP7_160615A</b>	QC Batch: <b>58735</b>			PrepDate	<b>6/15/2016</b>		Analyst: <b>CEI</b>
Selenium	0.10	0.070	0.50	J	ug/L	1	6/15/2016 08:28 PM

**TOTAL METALS BY ICPMS**

**EPA 200.8**

RunID: <b>ICP7_160615A</b>	QC Batch: <b>58735</b>			PrepDate	<b>6/15/2016</b>		Analyst: <b>CEI</b>
Copper	ND	0.26	0.50		ug/L	1	6/15/2016 08:28 PM
Lead	ND	0.053	0.50		ug/L	1	6/15/2016 08:28 PM
Thallium	0.81	0.034	0.50		ug/L	1	6/15/2016 08:28 PM
Zinc	ND	0.039	10		ug/L	1	6/15/2016 08:28 PM

**TOTAL TPH**

**EPA 8015B**

RunID: <b>GC3_160617A</b>	QC Batch: <b>R109024</b>			PrepDate			Analyst: <b>FJ</b>
Total TPH	64	16	50		ug/L	1	6/23/2016

<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:** N020073  
**Project:** SFPP - Norwalk Site

**ANALYTICAL QC SUMMARY REPORT**

**TestCode: 160.2\_2540D\_W**

Sample ID	<b>LCS-58758</b>	SampType:	<b>LCS</b>	TestCode:	<b>160.2_2540D</b>	Units:	<b>mg/L</b>	Prep Date:	<b>6/16/2016</b>	RunNo:	<b>108988</b>			
Client ID:	<b>LCSW</b>	Batch ID:	<b>58758</b>	TestNo:	<b>SM2540D</b>			Analysis Date:	<b>6/16/2016</b>	SeqNo:	<b>2353625</b>			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter)		879.000		10	1000	0		87.9	80	120				

Sample ID	<b>MBLK-58758</b>	SampType:	<b>MBLK</b>	TestCode:	<b>160.2_2540D</b>	Units:	<b>mg/L</b>	Prep Date:	<b>6/16/2016</b>	RunNo:	<b>108988</b>			
Client ID:	<b>PBW</b>	Batch ID:	<b>58758</b>	TestNo:	<b>SM2540D</b>			Analysis Date:	<b>6/16/2016</b>	SeqNo:	<b>2353626</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>N020073-001DUP</b>	SampType:	<b>DUP</b>	TestCode:	<b>160.2_2540D</b>	Units:	<b>mg/L</b>	Prep Date:	<b>6/16/2016</b>	RunNo:	<b>108988</b>			
Client ID:	<b>ZZZZZ</b>	Batch ID:	<b>58758</b>	TestNo:	<b>SM2540D</b>			Analysis Date:	<b>6/16/2016</b>	SeqNo:	<b>2353628</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:** N020073  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 160.5\_2540F\_W**

Sample ID <b>MB-58744</b>	SampType: <b>MBLK</b>	TestCode: <b>160.5_2540F_</b> Units: <b>mI/L</b>	Prep Date: <b>6/15/2016</b>	RunNo: <b>109047</b>							
Client ID: <b>PBW</b>	Batch ID: <b>58744</b>	TestNo: <b>SM2540F</b>	Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2355689</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:** N020073  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 1664\_HEM\_W**

Sample ID <b>MB-58742</b>	SampType: <b>MBLK</b>	TestCode: <b>1664_HEM_</b>	Units: <b>mg/L</b>	Prep Date: <b>6/15/2016</b>	RunNo: <b>108956</b>						
Client ID: <b>PBW</b>	Batch ID: <b>58742</b>	TestNo: <b>EPA 1664_H</b>		Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2351728</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Oil & Grease	ND	4.0									
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Sample ID <b>LCS-58742</b>	SampType: <b>LCS</b>	TestCode: <b>1664_HEM_</b>	Units: <b>mg/L</b>	Prep Date: <b>6/15/2016</b>	RunNo: <b>108956</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>58742</b>	TestNo: <b>EPA 1664_H</b>		Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2351729</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Oil & Grease	32.100	4.0	40.00	0	80.3	78	114				
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Sample ID <b>N020073-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>1664_HEM_</b>	Units: <b>mg/L</b>	Prep Date: <b>6/15/2016</b>	RunNo: <b>108956</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>58742</b>	TestNo: <b>EPA 1664_H</b>		Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2351732</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Oil & Grease	33.021	4.2	41.67	0	79.3	78	114				
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Sample ID <b>N020073-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>1664_HEM_</b>	Units: <b>mg/L</b>	Prep Date: <b>6/15/2016</b>	RunNo: <b>108956</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>58742</b>	TestNo: <b>EPA 1664_H</b>		Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2351733</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Oil & Grease	34.348	4.3	43.48	0	79.0	78	114	33.02	3.94	18	
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**Qualifiers:**

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



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**Work Order:** N020073  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 200.8\_W\_DRC**

Sample ID <b>MB-58735</b>	SampType: <b>MBLK</b>	TestCode: <b>200.8_W_DR</b>	Units: <b>µg/L</b>	Prep Date: <b>6/15/2016</b>	RunNo: <b>108983</b>						
Client ID: <b>PBW</b>	Batch ID: <b>58735</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2353323</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-58735</b>	SampType: <b>LCS</b>	TestCode: <b>200.8_W_DR</b>	Units: <b>µg/L</b>	Prep Date: <b>6/15/2016</b>	RunNo: <b>108983</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>58735</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2353324</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium 10.318 0.50 10.00 0 103 85 115

Sample ID <b>N020073-001H-MS</b>	SampType: <b>MS</b>	TestCode: <b>200.8_W_DR</b>	Units: <b>µg/L</b>	Prep Date: <b>6/15/2016</b>	RunNo: <b>108983</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>58735</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2353328</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium 8.607 0.50 10.00 0.1002 85.1 75 125

Sample ID <b>N020073-001H-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>200.8_W_DR</b>	Units: <b>µg/L</b>	Prep Date: <b>6/15/2016</b>	RunNo: <b>108983</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>58735</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2353329</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium 8.345 0.50 10.00 0.1002 82.5 75 125 8.607 3.09 20

**Qualifiers:**

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

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 200.8\_W\_SFPP**

Sample ID: <b>MB-58735</b>	SampType: <b>MBLK</b>	TestCode: <b>200.8_W_SF</b>	Units: <b>µg/L</b>	Prep Date: <b>6/15/2016</b>	RunNo: <b>108983</b>						
Client ID: <b>PBW</b>	Batch ID: <b>58735</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2353367</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.50									J
Lead	ND	0.50									J
Thallium	0.076	0.50									
Zinc	0.358	10									

Sample ID: <b>LCS-58735</b>	SampType: <b>LCS</b>	TestCode: <b>200.8_W_SF</b>	Units: <b>µg/L</b>	Prep Date: <b>6/15/2016</b>	RunNo: <b>108983</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>58735</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2353368</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	9.899	0.50	10.00	0	99.0	85	115				
Lead	10.095	0.50	10.00	0	101	85	115				
Thallium	9.971	0.50	10.00	0	99.7	85	115				
Zinc	104.179	10	100.0	0	104	85	115				

Sample ID: <b>N020073-001H-MS</b>	SampType: <b>MS</b>	TestCode: <b>200.8_W_SF</b>	Units: <b>µg/L</b>	Prep Date: <b>6/15/2016</b>	RunNo: <b>108983</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>58735</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2353372</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	6.819	0.50	10.00	0	68.2	75	125				S
Lead	10.208	0.50	10.00	0	102	75	125				
Thallium	10.476	0.50	10.00	0.8080	96.7	75	125				
Zinc	77.571	10	100.0	0	77.6	75	125				

Sample ID: <b>N020073-001H-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>200.8_W_SF</b>	Units: <b>µg/L</b>	Prep Date: <b>6/15/2016</b>	RunNo: <b>108983</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>58735</b>	TestNo: <b>EPA 200.8</b>		Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2353373</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	6.698	0.50	10.00	0	67.0	75	125	6.819	1.79	20	S
Lead	10.208	0.50	10.00	0	102	75	125	10.21	0.00684	20	

**Qualifiers:**

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**Work Order:** N020073  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 200.8\_W\_SFPP**

Sample ID	<b>N020073-001H-MSD</b>	SampType:	<b>MSD</b>	TestCode:	<b>200.8_W_SF</b>	Units:	<b>µg/L</b>	Prep Date:	<b>6/15/2016</b>	RunNo:	<b>108983</b>		
Client ID:	<b>ZZZZZZ</b>	Batch ID:	<b>58735</b>	TestNo:	<b>EPA 200.8</b>			Analysis Date:	<b>6/15/2016</b>	SeqNo:	<b>2353373</b>		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Thallium		10.424		0.50	10.00	0.8080	96.2	75	125	10.48	0.498	20	
Zinc		74.968		10	100.0	0	75.0	75	125	77.57	3.41	20	S

**Qualifiers:**

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

**TestCode: 245.1\_W\_LL**

Sample ID <b>MB-58733</b>	SampType: <b>MBLK</b>	TestCode: <b>245.1_W_LL</b>	Units: <b>µg/L</b>	Prep Date: <b>6/15/2016</b>	RunNo: <b>108965</b>						
Client ID: <b>PBW</b>	Batch ID: <b>58733</b>	TestNo: <b>EPA 245.1</b>		Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2351848</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-58733</b>	SampType: <b>LCS</b>	TestCode: <b>245.1_W_LL</b>	Units: <b>µg/L</b>	Prep Date: <b>6/15/2016</b>	RunNo: <b>108965</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>58733</b>	TestNo: <b>EPA 245.1</b>		Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2351849</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 2.719 0.050 2.500 0 109 85 115

Sample ID <b>N020073-001H-MS</b>	SampType: <b>MS</b>	TestCode: <b>245.1_W_LL</b>	Units: <b>µg/L</b>	Prep Date: <b>6/15/2016</b>	RunNo: <b>108965</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>58733</b>	TestNo: <b>EPA 245.1</b>		Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2351850</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 2.550 0.050 2.500 0 102 75 125

Sample ID <b>N020073-001H-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>245.1_W_LL</b>	Units: <b>µg/L</b>	Prep Date: <b>6/15/2016</b>	RunNo: <b>108965</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>58733</b>	TestNo: <b>EPA 245.1</b>		Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2351851</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 2.548 0.050 2.500 0 102 75 125 2.550 0.0862 20

**Qualifiers:**

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

**TestCode: 7199\_WPGE**

Sample ID <b>MB-R108960</b>	SampType: <b>MBLK</b>	TestCode: <b>7199_WPGE</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>108960</b>						
Client ID: <b>PBW</b>	Batch ID: <b>R108960</b>	TestNo: <b>EPA 7199</b>		Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2351773</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>LCS-R108960</b>	SampType: <b>LCS</b>	TestCode: <b>7199_WPGE</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>108960</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>R108960</b>	TestNo: <b>EPA 7199</b>		Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2351774</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexavalent Chromium	5.092	0.20	5.000	0	102	90	110				
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Sample ID <b>N020073-001EREP</b>	SampType: <b>DUP</b>	TestCode: <b>7199_WPGE</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>108960</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R108960</b>	TestNo: <b>EPA 7199</b>		Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2351776</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexavalent Chromium	ND	0.20						0	0	20	
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Sample ID <b>N020060-001ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>7199_WPGE</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>108960</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R108960</b>	TestNo: <b>EPA 7199</b>		Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2351778</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexavalent Chromium	11.528	0.20						11.49	0.297	20	
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Sample ID <b>N020060-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>7199_WPGE</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>108960</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R108960</b>	TestNo: <b>EPA 7199</b>		Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2351779</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexavalent Chromium	16.633	0.20	5.000	11.49	103	85	115				
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**Qualifiers:**

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

**TestCode: 7199\_WPGE**

Sample ID <b>N020060-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>7199_WPGE</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>108960</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>R108960</b>	TestNo: <b>EPA 7199</b>		Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2351780</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexavalent Chromium	16.643	0.20	5.000	11.49	103	85	115	16.63	0.0595	20	

**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 |
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## ANALYTICAL QC SUMMARY REPORT

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

Sample ID <b>MB-58754</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_W_FP_</b>	Units: <b>ug/L</b>	Prep Date: <b>6/16/2016</b>	RunNo: <b>109024</b>						
Client ID: <b>PBW</b>	Batch ID: <b>58754</b>	TestNo: <b>EPA 8015B EPA 3510C</b>		Analysis Date: <b>6/17/2016</b>	SeqNo: <b>2354952</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)	24.200	25									J
Surr: Octacosane	76.287		80.00		95.4	26	152				
Surr: p-Terphenyl	71.952		80.00		89.9	57	132				

**Qualifiers:**

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## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_W\_SFPPTOT**

Sample ID <b>MB-R109024</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_W_SFP</b> Units: <b>ug/L</b>	Prep Date:	RunNo: <b>109024</b>							
Client ID: <b>PBW</b>	Batch ID: <b>R109024</b>	TestNo: <b>EPA 8015B</b>	Analysis Date: <b>6/17/2016</b>	SeqNo: <b>2354955</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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 P: 702.307.2659 F: 702.307.2691

"Serving Clients with Passion and Professionalism"

**CLIENT:** CH2MHill  
**Work Order:** N020073  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015GAS\_WSFPP**

Sample ID <b>E160623LCS</b>	SampType: <b>LCS</b>	TestCode: <b>8015GAS_W</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>109093</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>E16VW040</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>6/23/2016</b>	SeqNo: <b>2357759</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	959.000	50	1000	0	95.9	67	136				
Surr: Chlorobenzene - d5	51394.000		50000		103	74	138				

Sample ID <b>E160623MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8015GAS_W</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>109093</b>						
Client ID: <b>PBW</b>	Batch ID: <b>E16VW040</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>6/23/2016</b>	SeqNo: <b>2357760</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	37.000	50									J
Surr: Chlorobenzene - d5	56197.000		50000		112	74	138				

Sample ID <b>N020073-001JMS</b>	SampType: <b>MS</b>	TestCode: <b>8015GAS_W</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>109093</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E16VW040</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>6/23/2016</b>	SeqNo: <b>2357762</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	894.000	50	1000	40.00	85.4	67	136				
Surr: Chlorobenzene - d5	51043.000		50000		102	74	138				

Sample ID <b>N020073-001JMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015GAS_W</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>109093</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E16VW040</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>6/23/2016</b>	SeqNo: <b>2357763</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-Gasoline (C4-C12)	959.000	50	1000	40.00	91.9	67	136	894.0	7.02	30	
Surr: Chlorobenzene - d5	53744.000		50000		107	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                 |



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**CLIENT:** CH2MHill  
**Work Order:** N020073  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_SFPP**

Sample ID	SampType	TestCode	Units	Prep Date	RunNo						
<b>P160615LCS</b>	<b>LCS</b>	<b>8260_WP_SF</b>	<b>ug/L</b>		<b>108981</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>P16VW120</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2352905</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	15.290	0.50	20.00	0	76.5	69	133				
1,2-Dichloroethane	19.960	0.50	20.00	0	99.8	69	132				
Benzene	18.120	1.0	20.00	0	90.6	81	122				
Ethylbenzene	20.200	1.0	20.00	0	101	73	127				
m,p-Xylene	43.260	1.0	40.00	0	108	76	128				
MTBE	17.010	1.0	20.00	0	85.0	65	123				
o-Xylene	21.550	1.0	20.00	0	108	80	121				
Tert-Butanol	93.530	5.0	100.0	0	93.5	70	130				
Toluene	19.750	2.0	20.00	0	98.8	77	122				
Xylenes, Total	64.810	2.0	60.00	0	108	75	125				
Surr: 1,2-Dichloroethane-d4	25.760		25.00		103	72	119				
Surr: 4-Bromofluorobenzene	25.750		25.00		103	76	119				
Surr: Dibromofluoromethane	25.550		25.00		102	85	115				
Surr: Toluene-d8	25.640		25.00		103	81	120				

Sample ID	SampType	TestCode	Units	Prep Date	RunNo						
<b>P160615LCS D</b>	<b>LCS D</b>	<b>8260_WP_SF</b>	<b>ug/L</b>		<b>108981</b>						
Client ID: <b>LCSS02</b>	Batch ID: <b>P16VW120</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2352906</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	15.770	0.50	20.00	0	78.8	69	133	15.29	3.09	20	
1,2-Dichloroethane	20.250	0.50	20.00	0	101	69	132	19.96	1.44	20	
Benzene	18.660	1.0	20.00	0	93.3	81	122	18.12	2.94	20	
Ethylbenzene	20.950	1.0	20.00	0	105	73	127	20.20	3.65	20	
m,p-Xylene	44.380	1.0	40.00	0	111	76	128	43.26	2.56	20	
MTBE	17.770	1.0	20.00	0	88.8	65	123	17.01	4.37	20	
o-Xylene	22.130	1.0	20.00	0	111	80	121	21.55	2.66	20	
Tert-Butanol	105.010	5.0	100.0	0	105	70	130	93.53	11.6	20	
Toluene	20.050	2.0	20.00	0	100	77	122	19.75	1.51	20	
Xylenes, Total	66.510	2.0	60.00	0	111	75	125	64.81	2.59	20	
Surr: 1,2-Dichloroethane-d4	25.720		25.00		103	72	119		0		

**Qualifiers:**

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



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**CLIENT:** CH2MHill  
**Work Order:** N020073  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_SFPP**

Sample ID <b>P160615LCSD</b>	SampType: <b>LCSD</b>	TestCode: <b>8260_WP_SF</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>108981</b>						
Client ID: <b>LCSS02</b>	Batch ID: <b>P16VW120</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2352906</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	26.190		25.00		105	76	119		0		
Surr: Dibromofluoromethane	25.350		25.00		101	85	115		0		
Surr: Toluene-d8	25.960		25.00		104	81	120		0		

Sample ID <b>P160615MB3</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_SF</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>108981</b>						
Client ID: <b>PBW</b>	Batch ID: <b>P16VW120</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2352909</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									
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	26.580		25.00		106	72	119				
Surr: 4-Bromofluorobenzene	24.040		25.00		96.2	76	119				
Surr: Dibromofluoromethane	27.430		25.00		110	85	115				
Surr: Toluene-d8	25.290		25.00		101	81	120				

Sample ID <b>N020073-001BMS</b>	SampType: <b>MS</b>	TestCode: <b>8260_WP_SF</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>108981</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>P16VW120</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2352926</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	16.970	0.50	20.00	0	84.8	69	133				
1,2-Dichloroethane	19.460	0.50	20.00	0	97.3	69	132				
Benzene	17.330	1.0	20.00	0	86.7	81	122				

**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:** N020073  
**Project:** SFPP - Norwalk Site

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_SFPP**

Sample ID	SampType: <b>MS</b>	TestCode: <b>8260_WP_SF</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>108981</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>P16VW120</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2352926</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	20.440	1.0	20.00	0	102	73	127				
m,p-Xylene	43.580	1.0	40.00	0	109	76	128				
MTBE	18.310	1.0	20.00	0	91.6	65	123				
o-Xylene	21.770	1.0	20.00	0	109	80	121				
Tert-Butanol	109.880	5.0	100.0	0	110	70	130				
Toluene	19.580	2.0	20.00	0	97.9	77	122				
Xylenes, Total	65.350	2.0	60.00	0	109	75	125				
Surr: 1,2-Dichloroethane-d4	25.940		25.00		104	72	119				
Surr: 4-Bromofluorobenzene	25.990		25.00		104	76	119				
Surr: Dibromofluoromethane	24.710		25.00		98.8	85	115				
Surr: Toluene-d8	25.340		25.00		101	81	120				

Sample ID	SampType: <b>MSD</b>	TestCode: <b>8260_WP_SF</b>	Units: <b>ug/L</b>	Prep Date:	RunNo: <b>108981</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>P16VW120</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>6/15/2016</b>	SeqNo: <b>2352927</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	15.620	0.50	20.00	0	78.1	69	133	16.97	8.28	20	
1,2-Dichloroethane	19.970	0.50	20.00	0	99.8	69	132	19.46	2.59	20	
Benzene	17.250	1.0	20.00	0	86.2	81	122	17.33	0.463	20	
Ethylbenzene	20.570	1.0	20.00	0	103	73	127	20.44	0.634	20	
m,p-Xylene	43.800	1.0	40.00	0	110	76	128	43.58	0.504	20	
MTBE	17.550	1.0	20.00	0	87.8	65	123	18.31	4.24	20	
o-Xylene	22.280	1.0	20.00	0	111	80	121	21.77	2.32	20	
Tert-Butanol	117.080	5.0	100.0	0	117	70	130	109.9	6.34	20	
Toluene	20.000	2.0	20.00	0	100	77	122	19.58	2.12	20	
Xylenes, Total	66.080	2.0	60.00	0	110	75	125	65.35	1.11	20	
Surr: 1,2-Dichloroethane-d4	26.370		25.00		105	72	119		0		
Surr: 4-Bromofluorobenzene	26.020		25.00		104	76	119		0		
Surr: Dibromofluoromethane	24.820		25.00		99.3	85	115		0		
Surr: Toluene-d8	25.850		25.00		103	81	120		0		

**Qualifiers:**

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



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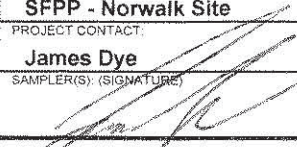
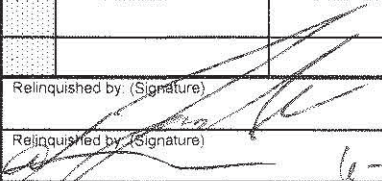
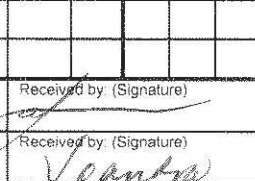
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 Tel: 702-307-2659 Fax: 702-307-2691  
 Marlon Cartin (marlon@atl-labs.com)

**CHAIN OF CUSTODY RECORD**

DATE: 6/14/16  
 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: <small>atl@atl-labs.com</small>		<b>REQUESTED ANALYSIS</b>						1-600 JR #2									
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 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.	TESTS														Comments
			DATE	TIME			Oil & Grease (1664)	TPH-g, TPH-d, and TPH-oil (8015B)	Settleable Solids (SM2540F)	Total Suspended Solids (SM2540D)	Phenol (420.1)	BTEX, 1,1-DCA, 1,2-DCA (8260B)	MTBE and TBA, (8260E) 48HR TAT	Cu, Pb, Se, Tl, and Zn (200.8): 48 Hr TAT	Hg (245.1): 48 Hr TAT	Cr VI (7199)					
	EFF-06-14	Effluent	6/14/16	1300	WW	17	X	X	X	X	X	X	X	X	X	X	X	N020073 -01			
Relinquished by: (Signature) 						Received by: (Signature) 						Date: <u>6/14/16</u>		Time: <u>13:42</u>							
Relinquished by: (Signature) <u>6-14-16 16:00</u>						Received by: (Signature) <u>Veronica Rodriguez</u>						Date: <u>6/15/16</u>		Time: <u>8:20 am</u>							
Relinquished by: (Signature)						Received by: (Signature)						Date:		Time:							

# 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: 6/14/2016 Workorder: N020073  
 Rep sample Temp (Deg C): 1.6 IR Gun ID: 2  
 Temp Blank:  Yes  No  
 Carrier name: Golden State Overnight  
 Last 4 digits of Tracking No.: 3971 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?   | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>          |
| Was Client notified?  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>          |

Comments:

Checklist Completed B YR  6/15/2016

Reviewed By:  06/16/16



**ASSET Laboratories**

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# CHAIN-OF-CUSTODY RECORD

**QC Level: RTNE**

**Subcontractor:**

BC Labs  
4100 Atlas Court  
Bakersfield, CA 93308

TEL: (661) 327-4911  
FAX: (661) 327-1918  
Acct #:

Field Sampler:

**15-Jun-16**

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests		
				EPA 420.4		
N020073-001F / EFF-06-14	Wastewater	6/14/2016 1:00:00 PM	32OZA	1		

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

Please use PO#: N20073A Please email Invoices and Account Receivable Statements to AssetAP@assetlaboratories.com. For questions, call Marlon at (702)-307-2659. Please e-mail results to reports.lv@assetlaboratories.com by: 5-dat TAT Reg.

Please analyze for Phenol by EPA 420.1

	<b>Date/Time</b>		<b>Date/Time</b>
Relinquished by: _____	6/15/2016	Received by: _____	
Relinquished by: _____		Received by: _____	

For:



# 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

Page 1 of 1

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"/>
Phone:		Address:	Email to:	LabSpec	<input type="checkbox"/>	CaTrans	<input type="checkbox"/>	2. HeadSpace	<input type="checkbox"/>
Fax:			PO#	Others	<input type="checkbox"/>	Level III	<input type="checkbox"/>	3. Container Intact	<input type="checkbox"/>
Submitted By: <b>Molky Bran</b>			Phone:	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:	Matrix		Analyses Requested				
I hereby authorize ASSET Labs to perform the tests indicated below:		Sampled By:		Ground	<input type="checkbox"/>	Sediment	<input type="checkbox"/>		
Project Name:		Signature:		Potable	<input type="checkbox"/>	Soil	<input type="checkbox"/>		
Project Number:		Date:		NPOES	<input type="checkbox"/>	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		EFF-06-14	6/14/16	1300	X		X (Phend (420.1))	ELG
2								
3								
4								
5								
6								
7								
8								
9								
10								

Relinquished by (Signature and Printed Name):	Date / Time: 6/14/16 16:00	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 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> 5 Day TAT Req
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 1 year upon submission of final report.  
 2. Regular TAT is 5-7 business days, surcharges will apply for rush analysis.  
 Less than 24 Hrs = 100% Next Day = 100% 2 Workdays = 50% 3 Workdays = 25% 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. Surcharges applied on total project price.

5. Trip Blanks and Equipment Blanks are billable samples.  
 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 = Na2SO4  
 Others/Specify:

**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

15-Jun-16

WorkOrder: N020073

Client ID: CH2HI03

Project: SFPP - Norwalk Site

QC Level: RTNE

Date Received: 6/14/2016

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
N020073-001A	EFF-06-14	6/14/2016 1:00:00 PM	6/20/2016	Wastewater		Oil and Grease Sample Prep	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LR
			6/20/2016		EPA 1664 _HEM BOD	Hexane Extractable Material (HEM)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LR
N020073-001B			6/16/2016		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VW
N020073-001C			6/20/2016		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/20/2016		EPA 8015B	TPH EXTRACTABLE BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/20/2016		EPA 8015B	Total TPH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N020073-001D			6/20/2016		SM2540F	SETTLEABLE MATTER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Consumed
			6/20/2016			Setteable Matter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Consumed
N020073-001E			6/20/2016		EPA 7199	Hexavalent Chromium by IC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	JJS
N020073-001F			6/20/2016		EPA 420.4	PHENOLICS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SUB
N020073-001H			6/16/2016			AQPREP TOTAL METALS: ICP, FLAA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/16/2016		EPA 200.8	TOTAL METALS BY COLLISION/REACTION CELL ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/16/2016		EPA 200.8	TOTAL METALS BY ICPMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/16/2016		EPA 245.1	MERCURY BY COLD VAPOR TECHNIQUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/16/2016			MERCURY PREP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N020073-001I			6/20/2016		SM2540D	TOTAL NON-FILTERABLE RESIDUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/20/2016			Total Suspended Solids Prep	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N020073-001J			6/20/2016		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VW
N020073-002A	FOLDER		6/16/2016		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB





800-322-5555 www.gso.com

**Ship From**

ASSET LABORATORIES  
MOLKY BRAR  
11110 ARTESIA BLVD. SUITE B  
CERRITOS, CA 90703

Tracking #: 532263971

**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)

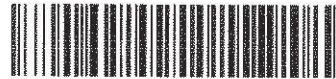
**Reference:**

**C89102A**

**Delivery Instructions:**

HOLD FOR PICK UP

**Signature Type:** REQUIRED



53019678

Print Date: 6/14/2016 5:04 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.

1.6°C  
FR # 2

**nancy@assetlaboratories.com**

---

**From:** [Vidal.Cortes@ch2m.com](mailto:Vidal.Cortes@ch2m.com)  
**Sent:** Thursday, June 23, 2016 10:26 AM  
**To:** [hanah.glodoviza@assetlaboratories.com](mailto:hanah.glodoviza@assetlaboratories.com)  
**Cc:** [nancy@assetlaboratories.com](mailto:nancy@assetlaboratories.com); [marlon@assetlaboratories.com](mailto:marlon@assetlaboratories.com);  
[samplecontrol.lv@assetlaboratories.com](mailto:samplecontrol.lv@assetlaboratories.com); [yoandra@assetlaboratories.com](mailto:yoandra@assetlaboratories.com)  
**Subject:** RE: SFPP - Norwalk Site (ASSET No. N020073)

Hi Hanah,

Please re-analyze. Results by COB today would be great.

Thank you,

**Vidal Cortes**  
*Environmental Engineer*  
**D** 1 714 435 6255  
**M** 1 949 400 0608

**CH2M**  
6 Hutton Centre Dr  
Suite 700  
Santa Ana, CA 92707  
[www.ch2m.com](http://www.ch2m.com) | [LinkedIn](#) | [Twitter](#) | [Facebook](#)

---

**From:** Hanah Glodoviza [<mailto:hanah.glodoviza@assetlaboratories.com>]  
**Sent:** Thursday, June 23, 2016 10:20 AM  
**To:** Cortes, Vidal/SCO <[Vidal.Cortes@ch2m.com](mailto:Vidal.Cortes@ch2m.com)>  
**Cc:** 'Nancy Sibucão' <[nancy@assetlaboratories.com](mailto:nancy@assetlaboratories.com)>; 'Marlon B. Cartin' <[marlon@assetlaboratories.com](mailto:marlon@assetlaboratories.com)>; 'Sample Control LV' <[samplecontrol.lv@assetlaboratories.com](mailto:samplecontrol.lv@assetlaboratories.com)>; 'Yoandra Rodriguez' <[yoandra@assetlaboratories.com](mailto:yoandra@assetlaboratories.com)>  
**Subject:** SFPP - Norwalk Site (ASSET No. N020073)

Hi Vidal,

Just to confirm your phone call, we'll re-analyze TPH-g, TPH-d and TPH-oil on ASAP TAT.

Also, just want to inform you that we already used all 3 amber container for TPH-d/oil but we still have the extract so we can still re-analyze but re-extraction won't be possible anymore.

We'll turn your request by COB today.

Thanks,

Hanah Glodoviza



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

Nevada: 3151 W. Post Road, Las Vegas, NV 89118 | P: 702.307.2659 Ext. 400 | F: 702.307.2691 | M : 702.755.8158  
California: 11110 Artesia Blvd., Ste. B, Cerritos, CA 90703 | P: 562.219.7435 | F: 562.219.7436

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Date of Report: 06/23/2016

Molky Brar

ASSET Laboratories

3151-3153 W. Post Rd

Las Vegas, NV 89118

Client Project: N020073

BCL Project: Cerritos

BCL Work Order: 1616464

Invoice ID: B238714

Enclosed are the results of analyses for samples received by the laboratory on 6/15/2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Vanessa Sandoval  
Client Service Rep

Authorized Signature

Certifications: CA ELAP #1186; NV #CA00014; OR ELAP #4032-001; AK UST101

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

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



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

**Reported:** 06/23/2016 13:56  
**Project:** Cerritos  
**Project Number:** N020073  
**Project Manager:** Molky Brar

### Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1616464-01	<b>COC Number:</b>	---	<b>Receive Date:</b>	06/15/2016 09:30
	<b>Project Number:</b>	---	<b>Sampling Date:</b>	06/14/2016 13:00
	<b>Sampling Location:</b>	---	<b>Sample Depth:</b>	---
	<b>Sampling Point:</b>	N020073-001F / EFF-06-14	<b>Lab Matrix:</b>	Water
	<b>Sampled By:</b>	Client	<b>Sample Type:</b>	Water

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

**Reported:** 06/23/2016 13:56  
**Project:** Cerritos  
**Project Number:** N020073  
**Project Manager:** Molky Brar

### Water Analysis (General Chemistry)

<b>BCL Sample ID:</b> 1616464-01	<b>Client Sample Name:</b> N020073-001F / EFF-06-14, 6/14/2016 1:00:00PM, Client
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Total Phenolics	ND	ug/L	50	10	EPA-420.4	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-420.4	06/17/16	06/17/16 10:29	RCC	KONE-1	1	BZF1501

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

**Reported:** 06/23/2016 13:56  
**Project:** Cerritos  
**Project Number:** N020073  
**Project Manager:** Molky Brar

### Water Analysis (General Chemistry)

#### Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
<b>QC Batch ID: BZF1501</b>						
Total Phenolics	BZF1501-BLK1	ND	ug/L	50	10	

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

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

**Reported:** 06/23/2016 13:56  
**Project:** Cerritos  
**Project Number:** N020073  
**Project Manager:** Molky Brar

## Water Analysis (General Chemistry)

### Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
<b>QC Batch ID: BZF1501</b>										
Total Phenolics	BZF1501-BS1	LCS	514.08	500.00	ug/L	103		85 - 115		

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

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

**Reported:** 06/23/2016 13:56  
**Project:** Cerritos  
**Project Number:** N020073  
**Project Manager:** Molky Brar

## Water Analysis (General Chemistry)

### Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab Quals
								Percent Recovery	Percent Recovery	
<b>QC Batch ID: BZF1501</b>		Used client sample: Y - Description: N020073-001F / EFF-06-14, 06/14/2016 13:00								
Total Phenolics	DUP	1616464-01	ND	ND		ug/L			20	
	MS	1616464-01	ND	526.01	500.00	ug/L		105		80 - 120
	MSD	1616464-01	ND	526.25	500.00	ug/L	0.0	105	20	80 - 120

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

**Reported:** 06/23/2016 13:56  
**Project:** Cerritos  
**Project Number:** N020073  
**Project Manager:** Molky Brar

**Notes And Definitions**


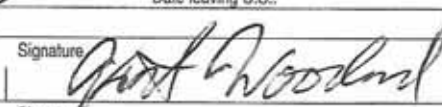
- MDL Method Detection Limit
- ND Analyte Not Detected
- PQL Practical Quantitation Limit

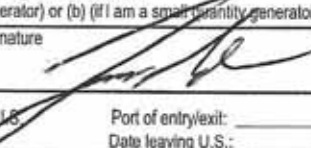



# Appendix B

## Waste Manifests

GENERATOR  
INT'L  
TRANSPORTER  
DESIGNATED FACILITY


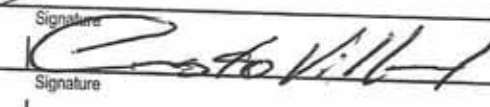
<b>NON-HAZARDOUS WASTE MANIFEST</b>	1. Generator ID Number <b>C A T 0 8 0 0 3 3 9 8 2</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800-424-8300</b>	4. Waste Tracking Number <b>NH - 1 8 5 5 1 9</b>	
5. Generator's Name and Mailing Address <b>SFPP, LP 1100 Town &amp; Country Rd Orange CA 92868</b>		Att: <b>Karina Hankins</b> Generator's Site Address (if different than mailing address) <b>SFPP, L.P. Norwalk Station 15306 Norwalk Blvd Norwalk CA 90651</b>			
Generator's Phone: <b>714 560-4873</b>					
6. Transporter 1 Company Name <b>Environmental Logistics, Inc.</b>			U.S. EPA ID Number <b>C A R 0 0 0 1 7 2 4 6 0</b>		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address <b>Filter Recycling Services, Inc. 180 W. Monte Avenue Bloomington CA 92316</b>			U.S. EPA ID Number <b>C A D 9 8 2 4 4 4 4 8 1</b>		
Facility's Phone: <b>909 421-2012</b>					
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
1. Non-Hazardous Waste Solid (TPH Contaminated Solids - Non-Haz)		<b>001</b>	<b>DM</b>	<b>500</b>	<b>P</b>
2. Non-Hazardous Waste Solid (TPH Contaminated Solids - Non-Haz)		<b>001</b>	<b>DM</b>	<b>40</b>	<b>P</b>
3. Non-Hazardous Waste Solid (California Empty Containers)		<b>002</b>	<b>DM</b>	<b>60</b>	<b>P</b>
4.					
13. Special Handling Instructions and Additional Information <b>1)(S) TPH Contaminated Solids (TBA Treatment System Sludge) - Non-Haz - 12031525 2)(S) TPH Contaminated Solids (Rags/Gloves from Treatment System) - Non-Haz - 12031525 3)(S) California Empty Containers (Empty Rusted Drum) - 13011809 Invoice #185519</b>  <b>4x55</b>					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Offeror's Printed/Typed Name <b>JAMES DICK</b>			Signature 		Month Day Year <b>4 5 16</b>
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____					
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name <b>Kerth Woodard</b>			Signature 		Month Day Year <b>4 5 16</b>
Transporter 2 Printed/Typed Name			Signature		Month Day Year
17. Discrepancy					
17a. 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: _____					
17b. Alternate Facility (or Generator)			U.S. EPA ID Number		
Facility's Phone: _____					
17c. Signature of Alternate Facility (or Generator)			Month Day Year		
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name			Signature		Month Day Year

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>	1. Generator ID Number <b>C A T 0 8 0 0 3 3 9 6 2</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800-424-9300</b>	4. Manifest Tracking Number <b>015024008 JJK</b>		
5. Generator's Name and Mailing Address <b>SFPP, LP 1100 Town &amp; Country Rd Orange CA 92868</b>		Att: <b>Karina Hankins</b>		Generator's Site Address (if different than mailing address) <b>SFPP, L.P. Norwalk Station 15306 Norwalk Blvd Norwalk CA 90651</b>		
Generator's Phone: <b>7 1 4 5 6 0 - 4 8 7 3</b>						
6. Transporter 1 Company Name <b>Environmental Logistics, Inc.</b>			U.S. EPA ID Number <b>C A R 0 0 0 1 7 2 4 6 0</b>			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address <b>Filter Recycling Services, Inc. 180 W. Monte Avenue Bloomington CA 92316</b>			U.S. EPA ID Number <b>C A D 9 8 2 4 4 4 4 8 1</b>			
Facility's Phone: <b>909 421-2012</b>						
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
	1. <b>Non-RCRA Hazardous Waste Solid (Filters)</b>	<b>002 DM</b>		<b>300</b>	<b>P</b>	<b>352</b>
	2.					
	3.					
	4.					
14. Special Handling Instructions and Additional Information <b>1)(S) Groundwater treatment system upstream bag filters - 12031523 Invoice #185519</b> <b>2x55</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 DYK</b>			Signature 		Month Day Year <b>4 5 16</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>Kerik Woodard</b>			Signature 		Month Day Year <b>4 5 16</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						
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. _____		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			Signature		Month Day Year	



Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number CAT080033962		2. Page 1 of 1		3. Emergency Response Phone 800-624-9136		4. Manifest Tracking Number <b>015284553 JJK</b>							
		5. Generator's Name and Mailing Address SFPP, LP (NORWALK STATION) 1100 TOWN AND COUNTRY RD. ATTN: Karina H. ORANGE CA 92868 Generator's Phone: 714-560-4887						Generator's Site Address (if different than mailing address) 15306 NORWALK BLVD. NORWALK, CA 90651							
6. Transporter 1 Company Name PATRIOT ENVIRONMENTAL SERVICES								U.S. EPA ID Number CAD053866794							
7. Transporter 2 Company Name								U.S. EPA ID Number							
8. Designated Facility Name and Site Address DEMENNO KERDOON 2000 N. ALAMEDA ST. COMPTON CA 90222 Facility's Phone: 310-537-7100								U.S. EPA ID Number CAT080013352							
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				
	X		1. UN1993, WASTE FLAMMABLE LIQUID, NOS, 3, PG II (GASOLINE)				001	TT	2,400	G	D001 D018				
			2.								134				
			3.												
			4.												
14. Special Handling Instructions and Additional Information WEAR APPROPRIATE PPE WHEN HANDLING 9b1.) PROFILE NUMBER: 393888 (REMEDIATION SYSTEM RINSATE)  PATRIOT JOB NUMBER: BILL TO SFPP, LP ATTN: STEVE DEFFBAUGH															
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		Signature				Month		Day		Year					
X JAMES D'NE						4		14		16					
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input checked="" 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		Signature				Month		Day		Year					
Enredo Villacreal						4		14		16					
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:						
	Facility's Phone:								U.S. EPA ID Number						
	18c. Signature of Alternate Facility (or Generator)								Month		Day		Year		
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)															
1.			2.			3.			4.						
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a															
Printed/Typed Name								Signature		Month		Day		Year	





**Bakersfield Office**  
 969 Carrier Parkway  
 Bakersfield, CA 93308  
 (661) 414-9075  
 Fax (661) 393-7367

**Saugus Office**  
 26000 Springbrook Ave. Suite 107  
 Saugus, CA 91350  
 (661) 287-3737  
 Fax (661) 287-3998

**Inland Empire Office**  
 1840 E. Elm Street  
 Ontario, CA 91761  
 (909) 947-9630  
 Fax (909) 923-1035

**Santa Paula Office**  
 918-E1 Mission Rock Rd.  
 Santa Paula, CA 93060  
 (805) 921-1112  
 Fax (805) 921-0400

**Wilmington Office**  
 508 East E Street, Unit A  
 Wilmington, CA 90744  
 (562) 436-2614  
 Fax (562) 436-2688

**San Diego Office**  
 3464 Pickett St.  
 San Diego, CA 92110  
 (619) 449-9014  
 Fax (619) 296-1774

Page 1 of 1

DATE: <u>4-14-16</u> S M T W <u>Th</u> F S	Project Number: _____ PO Number: _____	<input checked="" type="checkbox"/> DAILY WORK REPORT <input type="checkbox"/> CHANGE ORDER <input type="checkbox"/> EMERGENCY RESPONSE <input type="checkbox"/> PROJECT SERVICE
---	---	---

Client: Kindes Morgan

Description: Pressure Wash Various Small Tanks

Phone: \_\_\_\_\_

Project Location: 15306 Norwalk Bl. Norwalk Ca 90651

**PATRIOT LABOR**

POSITION	NAME	START	END	START	END	STRAIGHT TIME		OVERTIME		PREMIUM		AMOUNT
						HOURS	RATE	HOURS	RATE	HOURS	RATE	
SUP	<u>Ernesto Villarreal</u>	<u>0500</u>										
TE	<u>Jose S. Gonzalez</u>											
TE	<u>Adrian Coronado</u>											
TE	<u>Ernesto Chavez</u>											
TD	<u>Elias Garcia</u>											
PATRIOT LABOR SUB-TOTAL												

**PATRIOT EQUIPMENT**

DESCRIPTION	QTY	UOM	RATE	AMOUNT
<u>Vac Truck</u>	<u>1</u>			
<u>Gas Truck</u>	<u>1</u>			
<u>Pressure Washer</u>	<u>1</u>			
<u>4 Gas Motors</u>	<u>1</u>			
<u>Pick up</u>	<u>1</u>			
PATRIOT EQUIPMENT SUB-TOTAL				

**PATRIOT MATERIALS**

DESCRIPTION	QTY	UOM	RATE	AMOUNT
<u>WT Tyre K</u>	<u>3</u>			
<u>PVC Gloves</u>	<u>3</u>			
<u>Face Shield</u>	<u>2</u>			
PATRIOT MATERIALS SUB-TOTAL				

**OUTSIDE SERVICES**

DESCRIPTION	QTY	UOM	RATE	AMOUNT
OUTSIDE SERVICES SUB-TOTAL				
MARKUP				
OUTSIDE SERVICES TOTAL				

PATRIOT LABOR	_____
PATRIOT EQUIPMENT	_____
PATRIOT MATERIALS	_____
OUTSIDE SERVICES	_____
<b>TOTAL</b>	_____

**ACKNOWLEDGEMENT**

Patriot Representative Signature: <u>Ernesto Villarreal</u>	Client Representative Signature: <u>[Signature]</u>
Printed Name and Title: <u>Ernesto Villarreal / sup</u>	Printed Name and Title: <u>JAMES DYE TECH</u>



**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number  
**CAT080033962**

2. Page 1 of  
**1**

3. Emergency Response Phone  
**800-424-9300**

4. Waste Tracking Number  
**NH-186402**

5. Generator's Name and Mailing Address  
**SFPF, LP  
1100 Town & Country Rd  
Orange CA 92868**

**At: Karina Hankins**

Generator's Site Address (if different than mailing address)  
**SFPF, L.P. Norwalk Station  
15306 Norwalk Blvd  
Norwalk CA 90651**

Generator's Phone: **714 560-4873**

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**

U.S. EPA ID Number

Facility's Phone: **909 421-2012**

**CAD932444481**

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

1 Non-Hazardous Waste Solid (Wastewater Filters)

No.

Type

1

DM

250

P

2.

3.

4.

13. Special Handling Instructions and Additional Information  
**1(S) Wastewater Filters - 15031530 Invoice # 186402**

*1XSSDM*

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

Generator's/Offloror's Printed/Typed Name

**JAMES DUKE**

Signature

*[Signature]*

Month Day Year  
**10/17/16**

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

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

**GARY DPOOL 185**

Signature

*[Signature]*

Month Day Year  
**10/17/16**

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

17b. Alternate Facility (or Generator)

Manifest Reference Number:

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)


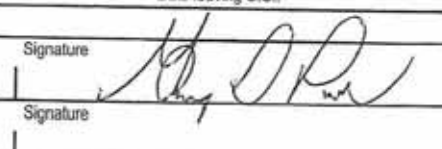
Month Day Year

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

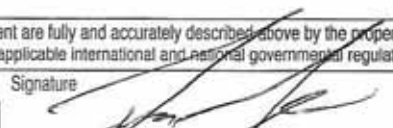
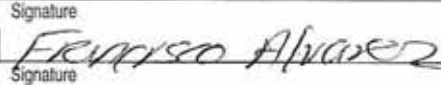
Printed/Typed Name

Signature

Month Day Year

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>C A T 0 8 0 0 3 3 9 6 2</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800-424-9300</b>	4. Manifest Tracking Number <b>015024427 JJK</b>	
5. Generator's Name and Mailing Address <b>SFPP, LP 1100 Town &amp; Country Rd Orange CA 92868</b>			Attn: <b>Karina Hankins</b>		Generator's Site Address (if different than mailing address) <b>SFPP, L.P. Norwalk Station 15306 Norwalk Blvd Norwalk CA 90651</b>	
Generator's Phone: <b>7 1 4 5 6 0 - 4 8 7 3</b>						
6. Transporter 1 Company Name <b>Environmental Logistics, Inc.</b>				U.S. EPA ID Number <b>C A R 0 0 0 1 7 2 4 6 0</b>		
7. Transporter 2 Company Name				U.S. EPA ID Number		
8. Designated Facility Name and Site Address <b>Filter Recycling Services, Inc. 180 W. Monte Avenue Bloomington CA 92316</b>				U.S. EPA ID Number <b>C A D 9 8 2 4 4 4 4 8 1</b>		
Facility's Phone: <b>909 421-2012</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 WL/Vol.	13. Waste Codes
		No.	Type			
	1. Non-RCRA Hazardous Waste Solid (Filters)	<b>1</b>	<b>DM</b>	<b>300</b>	<b>P</b>	<b>352</b>
	2.					
	3.					
	4.					
14. Special Handling Instructions and Additional Information <b>1(S) Filters - 12031523, Invoice # 186402 Wear proper PPE Ground water treatment system upstream of filters IUSDm ATR: STEVE DREINBOY</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 DYK</b>				Signature 		Month Day Year <b>10/17/16</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>Gary Pool 125</b>				Signature 		Month Day Year <b>10/17/16</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						
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.	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				Signature		Month Day Year



<b>NON-HAZARDOUS WASTE MANIFEST</b>	1. Generator ID Number <b>NOT REQUIRED</b>	2. Page 1 of 1	3. Emergency Response Phone (800) 624-9136	4. Waste Tracking Number <b>07 020502</b>		
5. Generator's Name and Mailing Address SFPP, LP (NORWALK STATION) 1100 TOWN AND COUNTRY RD. ATTN: KARINA HANKINS ORANGE CA 92668 Generator's Phone: 714-560-4400		Generator's Site Address (if different than mailing address) 15306 NORWALK BLVD NORWALK, CA 90650				
6. Transporter 1 Company Name PATRIOT ENVIRONMENTAL SERVICES			U.S. EPA ID Number CA053686794			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address DEMNNO KERDOON 2000 N. ALAMEDA ST. COMPTON CA 90222 Facility's Phone: 310-537-7100		U.S. EPA ID Number CA1080013352				
GENERATOR	9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	1. NON HAZARDOUS WASTE, LIQUID (CONDENSATE WATER WITH TRACE OIL)		No.	Type		
			006	DM	330	G
	2.					
	3.					
4.						
13. Special Handling Instructions and Additional Information WEAR APPROPRIATE PPE WHEN HANDLING WASTE 9b1.) PROFILE NUMBER:  PATRIOT JOB NUMBER:01-15-00 ATTN: STEVE DEFIBAUGH BILL DIRECT TO: SFPP-LP						
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.						
Generator's/Offeror's Printed/Typed Name <b>JAMES DYER</b>		Signature 		Month Day Year <b>6 28 16</b>		
TRANSPORTER	15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____					
	16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name <b>Francisco Alvarez</b>		Signature 		Month Day Year <b>6 28 16</b>		
Transporter 2 Printed/Typed Name		Signature		Month Day Year		
DESIGNATED FACILITY	17. Discrepancy					
	17a. 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					
	17b. Alternate Facility (or Generator)		Manifest Reference Number:		U.S. EPA ID Number	
	Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)				Month Day Year		
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a						
Printed/Typed Name		Signature		Month Day Year		



**UNIFORM HAZARDOUS WASTE MANIFEST** 1. Generator ID Number **CAT080033962** 2. Page 1 of 1 3. Emergency Response Phone **800-624-9136** 4. Manifest Tracking Number **015282873 JJK**

5. Generator's Name and Mailing Address  
**SFPP, LP (NORWALK STATION)**  
**1100 TOWN AND COUNTRY RD. ATTN: Karina H.**  
**ORANGE CA 92868**  
 Generator's Phone: **714-560-4887**

Generator's Site Address (if different than mailing address)  
**15306 NORWALK BLVD.**  
**NORWALK, CA 90651**

6. Transporter 1 Company Name **PATRIOT ENVIRONMENTAL SERVICES** U.S. EPA ID Number **CAD053866794**

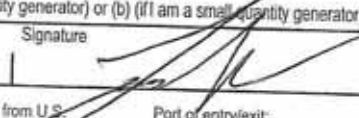
7. Transporter 2 Company Name U.S. EPA ID Number

8. Designated Facility Name and Site Address  
**DEMENNO KERDOON**  
**2000 N. ALAMEDA ST.**  
**COMPTON CA 90222**  
 Facility's Phone: **310-537-7100** U.S. EPA ID Number **CAT080013352**

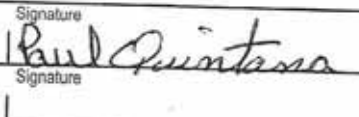
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
X	1. UN1993, WASTE FLAMMABLE LIQUID, NOS, 3, PG II (GASOLINE)	001	TT	1500	G	D001	D018
	2.					134	
	3.						
	4.						

14. Special Handling Instructions and Additional Information  
**WEAR APPROPRIATE PPE WHEN HANDLING**  
**9b1.) PROFILE NUMBER: 393888 (REMIEDIATION SYSTEM RINSATE)**  
**PATRIOT JOB NUMBER: BILL TO SFPP, LP ATTN: STEVE DEFIKAUGH**

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 **JAMES DYK** Signature  Month **6** Day **28** Year **16**

16. International Shipments  Import to U.S.  Export from U.S. Port of entry/exit: Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials  
 Transporter 1 Printed/Typed Name **PAUL QUINTANA** Signature  Month **6** Day **28** Year **16**

18. Discrepancy  
 18a. Discrepancy Indication Space  Quantity  Type  Residue  Partial Rejection  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. 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 Signature Month Day Year

GENERATOR  
INTL  
TRANSPORTER  
DESIGNATED FACILITY