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July 13, 2015

Alameda County Health Care Services Agency
Environmental Health Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

RECEIVED

By Alameda County Environmental Health 3:25 pm, Jul 15, 2015

Re: Unocal No. 5781 (351640)
3535 Pierson Street, Oakland, California
Fuel Leak Case No. RO0000253
GeoTracker Global ID #T0600101467

I have reviewed the attached report dated July 13, 2015.

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by AECOM, upon whose assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code Section 13257(b)(1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge.

Sincerely,

A handwritten signature in blue ink, appearing to read "Nicole Arceneaux".

Nicole Arceneaux
Project Manager

Attachment: Site Assessment Report by AECOM

July 13, 2015

Mr. Keith Nowell
Alameda County Health Care Services Agency
Environmental Health Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577
(via internet upload)

**Subject: Site Assessment Report
Unocal No. 5781 (351640)
3535 Pierson Street, Oakland, California
Fuel Leak Case No. RO0000253
GeoTracker Site ID T0600101467**

Dear Mr. Nowell,

On behalf of Chevron Environmental Management Company's (EMC's) affiliate, Union Oil Company of California ("Union Oil"), AECOM is pleased to present this Site Assessment Report for the above-referenced site. In correspondences dated January 8, 2015 and April 16, 2015, Alameda County Environmental Health (ACEH) concurred with AECOM's December 23, 2014 Data Gap Investigation Work Plan and AECOM's response to ACEH's technical comments (**Attachment A**).

BACKGROUND

Site Location

The site is an active service station located at the northwestern corner of the intersection of Pierson Street and MacArthur Boulevard in Oakland, California (**Figure 1**). The current site configuration includes a station building, two 12,000-gallon gasoline underground storage tanks (USTs), and four dispensers on two islands (**Figure 2**). The station building consists of a market/deli (formerly a vehicle repair shop) and an office area. A City of Oakland sewer easement crosses the west and southeast corner of the Site (Delta 2011).

The site is located in a primarily residential area. To the north of the site is an off-ramp for east-bound Interstate 580, to the east is MacArthur Boulevard and the Julia Morgan School for Girls (Mills College), to the south is Pierson Street and residential apartments, and to the west is the parking lot for the Kingdom Hall of Jehovah's Witnesses. The entire site, with the exception of planter areas along the perimeter, is paved with concrete and asphalt.

Site Geology and Hydrogeology

The site is located on the western flank of the Oakland Hills which are underlain by the Quaternary San Antonio Formation and Holocene alluvium of the Temescal Formation. The San Antonio Formation consists of gravels with a silt and clay matrix. The Temescal Formation consists of alluvial deposits composed of unconsolidated, moderately sorted permeable silt with coarse sand and gravel (California Geological Survey 2002; 2010).

The majority of the site is underlain by fine-grained relatively low-permeability silt and clay which contain scattered deposits of clayey sand and silty sand to the depth explored. A zone of "well graded" and "poorly graded" gravel with silt and sand between 14 to 18 feet below ground surface (bgs) was described in boring logs for MW-2, MW-A, SB-3, and SB-6. A similar, more permeable zone within the same depth range was described as clayey sand with gravel and sandy clay from boring logs for MW-9 and MW-5, respectively.

The site is located in the Santa Clara Valley Groundwater Basin and the East Bay Plain Subbasin (DWR 2004). Groundwater appears to be locally semi-confined. Several borings drilled to the same depth as water observed in site monitoring wells were dry. Additionally, groundwater in all monitoring wells purge dry during sampling and are very slow to recover (greater than 2-hour recovery time). Due to the slow recovery, no purge samples are collected and submitted for laboratory analysis if the wells do not recharge.

A re-evaluation of historical groundwater contours and the most current contour by AECOM with all given data points within the same relative shallow aquifer suggests the site is in an area of groundwater convergence with a generally east/southeast trending swale which is consistent with the site's topographic setting. The presence of this swale leads to shifts in the groundwater flow direction and the groundwater elevations rise and fall.

UST History

In 1967, one 10,000-gallon premium gasoline UST, one 10,000-gallon unleaded gasoline UST, and one 280-gallon waste-oil UST were installed at the site. In December 1989 the two 10,000-gallon fuel USTs, one the 280-gallon waste-oil UST, and associated product piping was removed. The second generation waste-oil UST was installed at the rear of the station building. Seven confirmation soil samples were collected from the gasoline UST excavation and product piping trench.

In April 2008, the second-generation waste-oil UST was removed and four soil samples (WO1-WO4) were collected from the excavation. The samples were all non-detect for all analysis; therefore, no over-excavation was conducted. The stockpiled soil was backfilled into the tank cavity following receipt of the laboratory results and the tank was not replaced.

Assessment History

Since 1990, various consultants have advanced 15 soil borings (MW-1 through MW-3, EB1, EB2, SB-1 through SB-8, SWC-2, SWD-2) and installed 7 groundwater monitoring wells (MW-A, and MW-4 through MW-9) and collected soil samples during UST removal activities at the site (**Figure 2**). Based on historical analytical data, data gaps were identified in the analysis of the first generation former waste oil tank.

Groundwater monitoring has been conducted quarterly for all site wells since their installation. During the fourth quarter of 2012, 0.39 feet of free product was observed in well MW-5. Free product has not been observed in MW-5 since that time. Currently, hydrocarbons in groundwater have not been delineated down-gradient of MW-5 for all groundwater flow directions.

Remediation History

In February 1990, the waste oil UST pit was over-excavated to 16 feet bgs. The excavation was reported to extend 35 feet to the east, 10 feet to the west, 15 feet to the south, and 2 feet to the

north from the waste oil UST location. Approximately 50 cubic yards of soil were removed. Further excavation was not possible due to utility lines in the area. The gasoline UST pit was not over-excavated due to low concentrations on the side walls and bottom of the excavation. No holes or cracks were observed in the gasoline USTs. After confirmation sampling approximately 5,000 gallons of groundwater were removed from the excavation and disposed of offsite.

In April 2010, a portion of the sidewall of manhole cover #2 (MH-2) , located approximately 10 feet west of MW-4, was observed to be leaking liquid into the storm drain. Innovative Construction Solutions (ICS) placed a permanent patch on the portion of the storm drain that had been identified to be seeping water into the storm drain. Follow-up inspections and PID observations of the manhole repair indicated the repair was intact and no further water was seeping into the storm drain manhole.

SITE ASSESSMENT

This site assessment was focused on two site areas based on the remaining site data gaps presented in the ACEH email dated April 10, 2014.

AECOM advanced six soil borings, three in the area of the first generation waste oil tank and three to the east of MW-5. The actual locations of the soil borings varied slightly from the proposed locations based on underground utilities and accessibility.

Pre-field Activities

Prior to the site assessment activities, AECOM performed the following activities:

- Developed a health and safety plan that incorporated the proposed assessment tasks and requirements for the types of personal protective equipment to be used, air monitoring requirements, and potential chemical exposure hazards;
- Obtained the necessary permits from Alameda County Public Works Agency (ACPW) (**Attachment B**);
- Obtained the necessary encroachment permits from the California Department of Transportation (**Attachment B**);
- Delineated the proposed locations in white paint and notified Underground Service Alert of Northern California at least 48 hours prior to conducting the work;
- Utilized a private utility locator to check for subsurface utilities; and
- Notified ACEH and relevant stakeholders of the field schedule at least 72 hours prior to conducting the field work.

Soil Assessment

On June 16 and 17, 2015, AECOM supervised the advancement of six soil borings to between 18 and 24 feet bgs. The soil borings were advanced using hand-auger techniques to 8 feet and then with direct-push technology to either refusal depth or the target depth. The boreholes were backfilled after the ACPW grout inspector arrived on site with cement grout and the surface was completed to match the existing surface in that area.

The soil lithology observed in the six soil borings was generally similar to previous site investigations. The zone of coarser material present from 14-18 feet was only observed in SB-12 and SB-13, past investigation and water yield indicate that this layer is not continuous across the site. Silts and lean clays are the most common soil types encountered and were typically very dense and dry. Boring logs are included as **Attachment C**. AECOM submitted well completion reports to the Department of Water Resources.

Soil samples were submitted to BC Laboratories (BC Labs), a California State-certified laboratory, using standard chain-of-custody and sample preservation methods. The BC Labs analytical report dated July 2, 2015, is included as **Attachment D**. All samples were analyzed for total petroleum hydrocarbons (TPH) as gasoline (TPHg), TPH as diesel (TPHd), and TPH as motor oil (TPHmo) by Environmental Protection Agency (EPA) Method 8015; volatile organic compounds (VOCs) using EPA Method 8260B, and semi-volatile organic compounds (SVOCs) by EPA 8270C.

Based on the analytical results from the samples collected from soil borings SB-10 through SB-15, TPHg, BTEX, SVOCs, and oxygenates were not detected above laboratory reporting limits.

Analytical results from the soil borings near the first generation waste oil tank, SB-10, SB-11, and SB-12, detected TPHmo at all locations, see below. Based on the concentrations in SB-10 and SB-12, TPHmo is laterally delineated to below the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) Environmental Screening Levels, May 2013 update (ESLs). Vertical delineation was encountered at SB-10 through SB-12 based on non-detect concentrations of all constituents, see below and **Tables 1, 2, and 3**.

Soil Boring	Sample Depth (ft bgs)	Date	TPHd (mg/kg)	TPHmo (mg/kg)
SB-10	2	6/16/2015	<2.0	6.7
	5	6/16/2015	<2.0	<4.0
	10	6/16/2015	<2.0	<4.0
	14.5	6/16/2015	<2.0	<4.0
SB-11	2	6/16/2015	<170	1,300
	5	6/16/2015	<190	2,600
	10	6/16/2015	370	6,100
	15	6/16/2015	<2.0	<4.0
SB-12	2	6/16/2015	<2.0	6.1
	5	6/16/2015	<2.0	27
	10	6/16/2015	<2.0	<4.0
	15	6/16/2015	<2.0	<4.0

Off-site soil concentrations were only found in SB-13 and SB-14. In SB-13 the only detection was within the wet soil located at the observed water table and indicative of groundwater not soil concentrations. In SB-14, there were detections of TPHmo and TPHd that were below ESLs sporadically observed, see below and **Tables 1, 2, and 3**.

Soil Boring	Sample Depth (ft bgs)	Date	TPHd (mg/kg)	TPHmo (mg/kg)
SB-13	2	6/16/2015	<2.0	<4.0
	5	6/16/2015	<2.0	<4.0
	10	6/16/2015	<2.0	<4.0
	12	6/16/2015	<2.0	<4.0
	17	6/16/2015	<2.0	<4.0
	19	6/16/2015	<2.0	<4.0
SB-14	2	6/16/2015	<10	65
	5	6/16/2015	<2.0	14
	10	6/16/2015	<2.0	<4.0
	14	6/16/2015	<2.0	<4.0
	16	6/16/2015	3.6	7.4

Groundwater Assessment

AECOM attempted to collect grab groundwater samples from each soil boring location by installing a temporary 1-inch polyvinyl chloride (PVC) well with 10 feet of screen into each borehole. Only SB-11 and SB-13 had initial indication of groundwater in the soil. The temporary wells were left in SB-10, SB-12, and SB-15 overnight to allow water to accumulate. Water samples were collected from SB-11 and SB-13, the other 4 wells were completely dry after being left open overnight. Groundwater was observed at approximately 15 feet bgs in both SB-11 and SB-13. The groundwater in SB-11 appeared to be perched water within the previous excavation backfill since groundwater was only observed at the excavation backfill/native soil interface and no indication of groundwater was observed in nearby borings SB-10 and SB-12. In soil boring SB-13, the groundwater recharged and is indicative of site groundwater though likely skewed high as the samples were collected with high turbidity. Historically at this site some of the soil borings and attempted monitoring wells have been dry.

Groundwater samples were submitted to BC Labs, a California State-certified laboratory, using standard chain-of-custody and sample preservation methods. The BC Labs analytical report dated July 2, 2015, is included as **Attachment D**. All samples were analyzed for total petroleum hydrocarbons (TPH) as gasoline (TPHg), TPH as diesel (TPHd), and TPH as motor oil (TPHmo) by Environmental Protection Agency (EPA) Method 8015; volatile organic compounds (VOCs) using EPA Method 8260B, and semi-volatile organic compounds (SVOCs) by EPA 8270C.

The groundwater sample collected at SB-11 had detections of TPHmo and TPHd, the remaining constituents were not detected above laboratory detection limits. Since this sample was located in the prior excavation backfill the groundwater results are not indicative of groundwater in the area. The main constituent detected in SB-13 was TPHg. Benzene and MTBE were not detected above laboratory reporting limits. Besides the constituents detected above laboratory reporting limits in the table below, only naphthalene and 2-Methylnaphthalene exceed the ESLs. Groundwater analytical results are provided in **Tables 4, 5, and 6**.

Well ID	Date	TPH-g	TPH-d	TPH-mo	Benzene
		($\mu\text{g/L}$)	($\mu\text{g/L}$)	($\mu\text{g/L}$)	($\mu\text{g/L}$)
SB-11	6/16/2015	<250	330	500	<0.50
SB-13	6/17/2015	44,000	<2,000	<5,000	<2.5

Waste Characterization and Disposal

One 55-gallon Department of Transportation-approved drum containing soil was generated during the site assessment activities. The drum will be transported to a licensed disposal facility under waste manifest documentation.


Conclusions and Future Activities

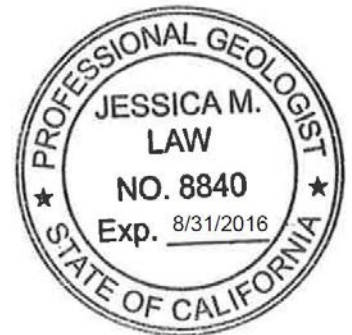
The Site Conceptual Model (SCM) will be updated with the results of this site assessment. AECOM would like to request a meeting with ACEH during the third quarter 2015, prior to submitting the updated SCM, to cooperatively work on path forward towards site closure.

If you have any questions regarding this project, please contact James Harms of AECOM at (916) 414-5800.

Sincerely,


James Harms
Project Manager


Jessica Law, P.G. No. 8840
Senior Geologist
Stamped: 7/13/2015



cc: Ms. Nicole Arceneaux, EMC (via electronic copy)
DeLong Liu, United Brothers Enterprise, Inc., property owner (via paper copy)

Enclosures:**Figures**

- Figure 1 Site Location Map
- Figure 2 Site Plan

Tables

- Table 1 Laboratory Analytical Results for Soil
- Table 2 Laboratory Analytical Results for Soil - Volatile Organic Compounds
- Table 3 Laboratory Analytical Results for Soil - Semi-Volatile Organic Compounds
- Table 4 Laboratory Analytical Results for Water
- Table 5 Laboratory Analytical Results for Water - Volatile Organic Compounds
- Table 6 Laboratory Analytical Results for Water - Semi-Volatile Organic Compounds

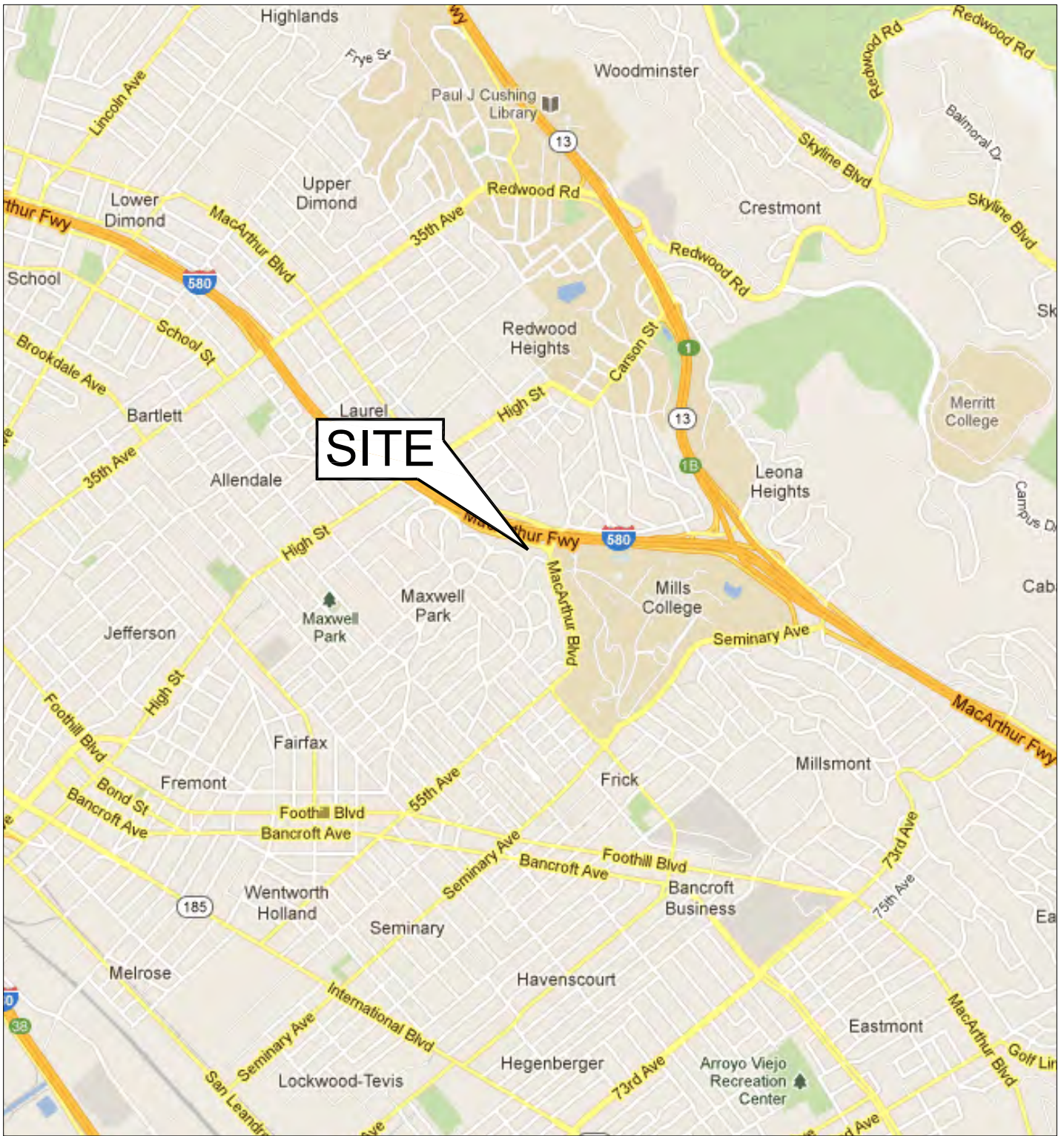
Attachments

- Attachment A Agency Correspondence
- Attachment B Permits
- Attachment C Boring Logs
- Attachment D BC Laboratories, Inc. Analytical Report

References

- AECOM. 2014. *Data Gap Investigation Work Plan*, Unocal No. 5781 (351640), 3535 Pierson Street, Oakland, California. December 23.
- California Geological Survey. 2002. California Geomorphic Provinces – Note 36.
- California Geological Survey. 2010. Geologic Map of California at <http://www.quake.ca.gov/gmaps/GMC/stategeologicmap.html>
- Delta Consultants Inc., 2010a. Assessment Report, Site Conceptual Model Update, and Additional Assessment Workplan, July 30.
- . 2011. Monitoring Well Installation and Status Report, January 31. DWR 2004, California's Groundwater Bulletin – Santa Clara Valley Groundwater Basin, East Bay Plain Subbasin, February. California
- Department of Water Resources. 2004. California's Groundwater Bulletin 118, Sacramento Valley Groundwater Basin, South American Subbasin, February 27.

Figures



North

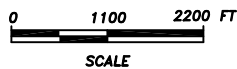


FIGURE 1

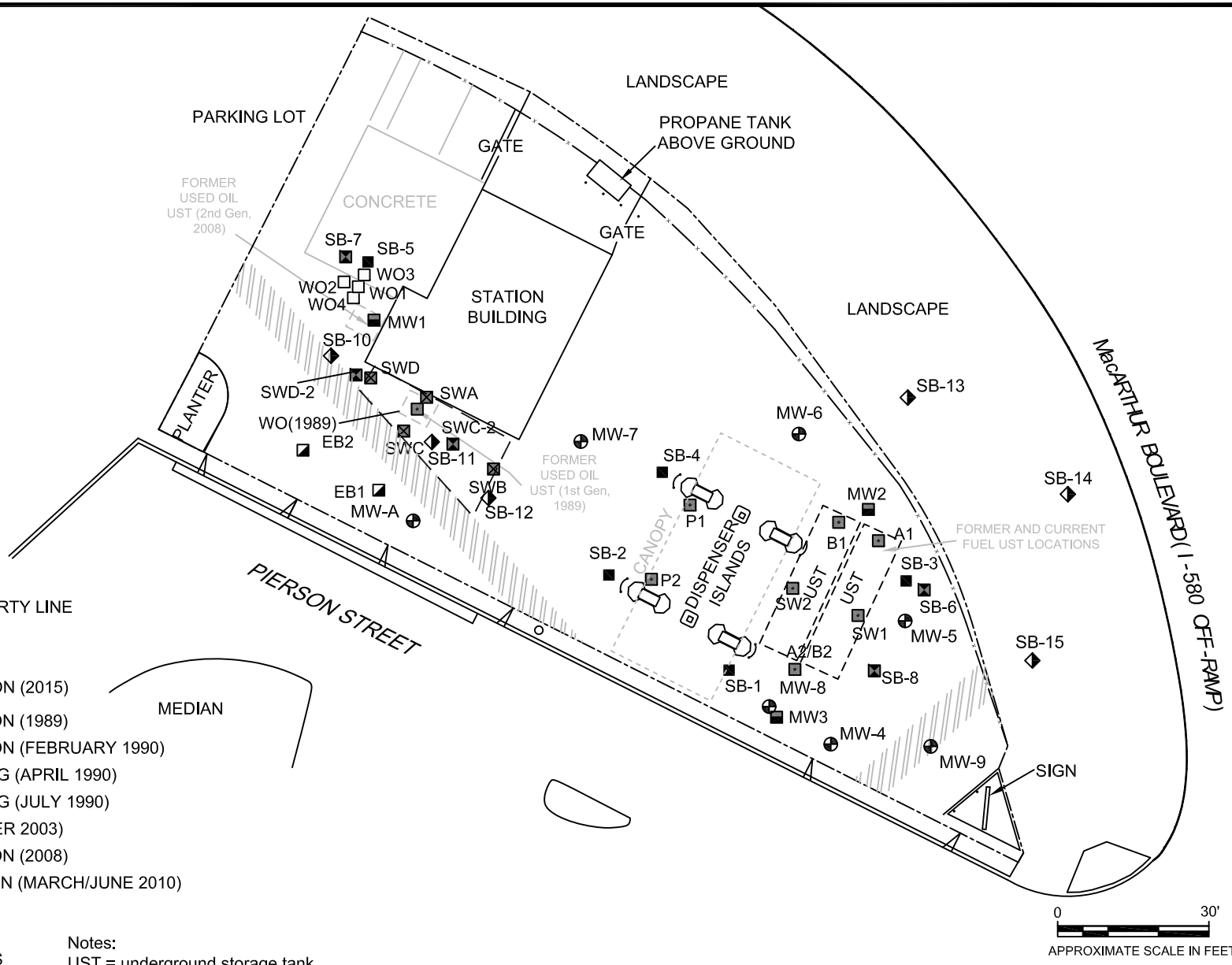
SITE LOCATION MAP

UNOCAL NO. 5781
(351640)

3535 PIERSON STREET
OAKLAND, CALIFORNIA

PROJECT NO.	DRAWN BY 04/15/2014
FILE NO. 351640	PREPARED BY CD
REVISION NO.	REVIEWED BY JH





LEGEND:

--- APPROXIMATE PROPERTY LINE

-x-x- FENCE

⊕ MONITORING WELL

◆ SOIL SAMPLE LOCATION (2015)

■ SOIL SAMPLE LOCATION (1989)

⊠ SOIL SAMPLE LOCATION (FEBRUARY 1990)

⊠ SOIL SAMPLE LOCATION (APRIL 1990)

⊠ SOIL SAMPLE LOCATION (JULY 1990)

■ SOIL BORING (OCTOBER 2003)

□ SOIL SAMPLE LOCATION (2008)

⊠ SOIL BORING LOCATION (MARCH/JUNE 2010)

▨ SEWER EASEMENT

- - - EXCAVATION EXTENTS

Notes:
UST = underground storage tank



SITE PLAN

RO253, Unocal #5781 (351640)
3535 Pierson Street, Oakland, California

AECOM
2020 L STREET, SUITE 400
SACRAMENTO, CALIFORNIA 95811
PHONE: (916) 414-5800
FAX: (916) 414-5850
WEB: HTTP://WWW.AECOM.COM



DESIGNED BY:	REVISIONS			
	NO.:	DESCRIPTION:	DATE:	BY:
DRAWN BY:				
JH				
CHECKED BY:				
JL				
APPROVED BY:				
JH				

FIGURE NUMBER:

2

SCALE:	DATE:	PROJECT NUMBER:
1" = 30'	7/13/2015	

Tables

Table 1
Laboratory Analytical Results for Soil
RO253, Unocal No. 5781 (351640)
3535 Pierson Street
Oakland, California

Soil Boring	Sample ID	Sample Depth (ft bgs)	Date	TPPH (mg/kg)	TPH-g (mg/kg)	TPH-d (mg/kg)	TPH-mo (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	ETHANOL (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)
SB-10	SB-10-S-2-20150616	2	6/16/2015	<0.20	<4.0	<2.0	6.7	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<1.0	<0.050	<0.050	<0.050
	SB-10-S-N-5-20150616	5	6/16/2015	<0.20	<4.0	<2.0	<4.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<1.0	<0.050	<0.050	<0.050
	SB-10-S-N-10-20150616	10	6/16/2015	<0.20	<4.0	<2.0	<4.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<1.0	<0.050	<0.050	<0.050
	SB-10-S-N-14.5-20150616	14.5	6/16/2015	<0.20	<4.0	<2.0	<4.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<1.0	<0.050	<0.050	<0.050
SB-11	SB-11-S-2-20150616	2	6/16/2015	<0.20	<350	<170	1,300	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<1.0	<0.050	<0.050	<0.050
	SB-11-S-N-5-20150616	5	6/16/2015	<0.20	<380	<190	2,600	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<1.0	<0.050	<0.050	<0.050
	SB-11-S-N-10-20150616	10	6/16/2015	<0.20	<740	370	6,100	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<1.0	<0.050	<0.050	<0.050
	SB-11-S-N-15-20150616	15	6/16/2015	<0.20	<4.0	<2.0	<4.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<1.0	<0.050	<0.050	<0.050
SB-12	SB-12-S-N-2-20150616	2	6/16/2015	<0.20	<4.0	<2.0	6.1	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<1.0	<0.050	<0.050	<0.050
	SB-12-S-N-5-20150616	5	6/16/2015	<0.20	<4.0	<2.0	27	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<1.0	<0.050	<0.050	<0.050
	SB-12-S-N-10-20150616	10	6/16/2015	<0.20	<4.0	<2.0	<4.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<1.0	<0.050	<0.050	<0.050
	SB-12-S-N-15-20150616	15	6/16/2015	<0.20	<4.0	<2.0	<4.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<1.0	<0.050	<0.050	<0.050
SB-13	SB-13-S-N-2-20150617	2	6/17/2015	<0.20	<4.0	<2.0	<4.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<1.0	<0.050	<0.050	<0.050
	SB-13-S-Y-2-20150617*	2	6/17/2015	<0.20	<4.0	<2.0	<4.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<1.0	<0.050	<0.050	<0.050
	SB-13-S-N-5-20150617	5	6/17/2015	<0.20	<4.0	<2.0	<4.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<1.0	<0.050	<0.050	<0.050
	SB-13-S-N-10-20150617	10	6/17/2015	<0.20	<4.0	<2.0	<4.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<1.0	<0.050	<0.050	<0.050
	SB-13-S-N-12-20150617	12	6/17/2015	<0.20	<4.0	<2.0	<4.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<1.0	<0.050	<0.050	<0.050
	SB-13-S-N-17-20150617	17	6/17/2015	8.5	<4.0	<2.0	<4.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<1.0	<0.050	<0.050	<0.050
SB-14	SB-13-S-N-19-20150617	19	6/17/2015	<0.20	<4.0	<2.0	<4.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<1.0	<0.050	<0.050	<0.050
	SB-14-S-N-2-20150617	2	6/17/2015	<0.20	<20	<10	65	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<1.0	<0.050	<0.050	<0.050
	SB-14-S-N-5-20150617	5	6/17/2015	<0.20	<4.0	<2.0	14	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<1.0	<0.050	<0.050	<0.050
	SB-14-S-N-10-20150617	10	6/17/2015	<0.20	<4.0	<2.0	<4.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<1.0	<0.050	<0.050	<0.050
	SB-14-S-N-14-20150617	14	6/17/2015	<0.20	<4.0	<2.0	<4.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<1.0	<0.050	<0.050	<0.050
SB-15	SB-14-S-N-16-20150617	16	6/17/2015	<0.20	<4.0	3.6	7.4	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<1.0	<0.050	<0.050	<0.050
	SB-15-S-N-2-20150616	2	6/16/2015	<0.20	<4.0	<2.0	<4.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<1.0	<0.050	<0.050	<0.050
	SB-15-S-N-5-20150616	5	6/16/2015	<0.20	<4.0	<2.0	<4.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<1.0	<0.050	<0.050	<0.050
	SB-15-S-N-10-20150616	10	6/16/2015	<0.20	<4.0	<2.0	<4.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<1.0	<0.050	<0.050	<0.050
	SB-15-S-N-17.5-20150616	17.5	6/16/2015	<0.20	<4.0	<2.0	<4.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<1.0	<0.050	<0.050	<0.050
SB-15-S-N-19-20150616	19	6/16/2015	<0.20	<4.0	<2.0	<4.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.050	<1.0	<0.050	<0.050	<0.050	

Notes:
* = Duplicate sample
(ft bgs) = Feet below ground surface
(mg/kg) = Milligrams per kilogram
BTEX and Oxygenate compounds analyzed by EPA Method 8260B
TPH-d, TPH-g, and TPH-mo analyzed by EPA Method 8015B/FFP
TPPH analyzed by Luft/GC/MS method
<# = Analyte not detected at or above indicated method detection limit

TPPH = Total purgeable petroleum hydrocarbons
TPH-g = Total petroleum hydrocarbons as gasoline
TPH-d = Total petroleum hydrocarbons as diesel
TPH-mo = Total petroleum hydrocarbons as motor oil
B = Benzene
T = Toluene
E = Ethylbenzene
X = Total xylenes

MTBE = Methyl t-Butyl Ether
TBA = Tert-Butyl Alcohol
DIPE = Diisopropyl Ether
ETBE = Ethyl t-Butyl Ether
TAME = Tert-Amyl-Methyl Ether

Table 2
Laboratory Analytical Results for Soil - Volatile Organic Compounds
RO253, Unocal No. 5781 (351640)
3535 Pierson Street
Oakland, California

Soil Boring	Sample ID	Sample Depth (feet bgs)	Date	n-Butylbenzene (mg/kg)	sec-Butylbenzene (mg/kg)	Isopropylbenzene (mg/kg)	Naphthalene (mg/kg)	n-Propylbenzene (mg/kg)
SB-10	SB-10-S-2-20150616	2	6/16/2015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	SB-10-S-N-5-20150616	5	6/16/2015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	SB-10-S-N-10-20150616	10	6/16/2015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	SB-10-S-N-14.5-20150616	14.5	6/16/2015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SB-11	SB-11-S-2-20150616	2	6/16/2015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	SB-11-S-N-5-20150616	5	6/16/2015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	SB-11-S-N-10-20150616	10	6/16/2015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	SB-11-S-N-15-20150616	15	6/16/2015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SB-12	SB-12-S-N-2-20150616	2	6/16/2015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	SB-12-S-N-5-20150616	5	6/16/2015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	SB-12-S-N-10-20150616	10	6/16/2015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	SB-12-S-N-15-20150616	15	6/16/2015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SB-13	SB-13-S-N-2-20150617	2	6/17/2015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	SB-13-S-Y-2-20150617*	2	6/17/2015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	SB-13-S-N-5-20150617	5	6/17/2015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	SB-13-S-N-10-20150617	10	6/17/2015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	SB-13-S-N-12-20150617	12	6/17/2015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	SB-13-S-N-17-20150617	17	6/17/2015	0.10	0.12	0.024	0.018	0.16
SB-14	SB-13-S-N-19-20150617	19	6/17/2015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	SB-14-S-N-2-20150617	2	6/17/2015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	SB-14-S-N-5-20150617	5	6/17/2015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	SB-14-S-N-10-20150617	10	6/17/2015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	SB-14-S-N-14-20150617	14	6/17/2015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SB-14-S-N-16-20150617	16	6/17/2015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
SB-15	SB-15-S-N-2-20150616	2	6/16/2015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	SB-15-S-N-5-20150616	5	6/16/2015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	SB-15-S-N-10-20150616	10	6/16/2015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	SB-15-S-N-17.5-20150616	17.5	6/16/2015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	SB-15-S-N-19-20150616	19	6/16/2015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050

Notes:

* = Duplicate sample

bgs = Below ground surface

mg/kg = Milligrams per kilogram

<# = Analyte not detected at or above indicated laboratory method detection limit

Volatile Organic Compounds (VOCs) analyzed by Environmental Protection Agency Method 8260B

VOCs not reported on this table were not detected for all samples.

Table 3
Laboratory Analytical Results for Soil - Semi-Volatile Organic Compounds
RO253, Unocal No. 5781 (351640)
3535 Pierson Street
Oakland, California

Soil Boring	Sample ID	Sample Depth (feet bgs)	Date	Acenaphthene (mg/kg)	2- Methylnaphthalene (mg/kg)	Phenanthrene (mg/kg)
SB-10	SB-10-S-2-20150616	2	6/16/2015	<0.10	<0.10	<0.10
	SB-10-S-N-5-20150616	5	6/16/2015	<0.10	<0.10	<0.10
	SB-10-S-N-10-20150616	10	6/16/2015	<0.10	<0.10	<0.10
	SB-10-S-N-14.5-20150616	14.5	6/16/2015	<0.10	<0.10	<0.10
SB-11	SB-11-S-2-20150616	2	6/16/2015	<16	<16	<16
	SB-11-S-N-5-20150616	5	6/16/2015	<15	<15	<15
	SB-11-S-N-10-20150616	10	6/16/2015	<15	<15	<15
	SB-11-S-N-15-20150616	15	6/16/2015	<0.10	<0.10	<0.10
SB-12	SB-12-S-N-2-20150616	2	6/16/2015	<0.10	<0.10	<0.10
	SB-12-S-N-5-20150616	5	6/16/2015	<0.10	<0.10	<0.10
	SB-12-S-N-10-20150616	10	6/16/2015	<0.10	<0.10	<0.10
	SB-12-S-N-15-20150616	15	6/16/2015	<0.10	<0.10	<0.10
SB-13	SB-13-S-N-2-20150617	2	6/17/2015	<0.10	<0.10	<0.10
	SB-13-S-Y-2-20150617*	2	6/17/2015	<0.10	<0.10	<0.10
	SB-13-S-N-5-20150617	5	6/17/2015	<0.10	<0.10	<0.10
	SB-13-S-N-10-20150617	10	6/17/2015	<0.10	<0.10	<0.10
	SB-13-S-N-12-20150617	12	6/17/2015	<0.10	<0.10	<0.10
	SB-13-S-N-17-20150617	17	6/17/2015	<0.10	<0.10	<0.10
	SB-13-S-N-19-20150617	19	6/17/2015	<0.10	<0.10	<0.10
SB-14	SB-14-S-N-2-20150617	2	6/17/2015	<0.10	<0.10	<0.10
	SB-14-S-N-5-20150617	5	6/17/2015	<0.10	<0.10	<0.10
	SB-14-S-N-10-20150617	10	6/17/2015	<0.10	<0.10	<0.10
	SB-14-S-N-14-20150617	14	6/17/2015	<0.10	<0.10	<0.10
	SB-14-S-N-16-20150617	16	6/17/2015	<0.10	<0.10	<0.10
SB-15	SB-15-S-N-2-20150616	2	6/16/2015	<0.10	<0.10	<0.10
	SB-15-S-N-5-20150616	5	6/16/2015	<0.10	<0.10	<0.10
	SB-15-S-N-10-20150616	10	6/16/2015	<0.10	<0.10	<0.10
	SB-15-S-N-17.5-20150616	17.5	6/16/2015	<0.10	<0.10	<0.10
	SB-15-S-N-19-20150616	19	6/16/2015	<0.10	<0.10	<0.10

Table 3
Laboratory Analytical Results for Soil - Semi-Volatile Organic Compounds
RO253, Unocal No. 5781 (351640)
3535 Pierson Street
Oakland, California

Soil Boring	Sample ID	Sample Depth <i>(feet bgs)</i>	Date	Acenaphthene <i>(mg/kg)</i>	2- Methylnaphthalene <i>(mg/kg)</i>	Phenanthrene <i>(mg/kg)</i>
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Notes:

* = Duplicate sample

bgs = Below ground surface

mg/kg = Milligrams per kilogram

<# = Analyte not detected at or above indicated laboratory method detection limit

Semi-Volatile Organic Compounds (SVOCs) analyzed by EPA Method 8270C

SVOCs not reported on this table were not detected for all samples.

Table 4
Laboratory Analytical Results for Water
RO253, Unocal No. 5781 (351640)
3535 Pierson Street
Oakland, California

Well ID	Date	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
SB-11	6/16/2015	<250	330	500	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<250	<0.50	<0.50	<0.50
SB-13	6/17/2015	44,000	<2,000	<5,000	<2.5	<2.5	5.6	<5.0	<2.5	<50	<1,200	<2.5	<2.5	<2.5

Notes:

ID = Identification

(µg/L) = Micrograms per liter

<# = Analyte not detected at or above indicated method detection limit

BTEX and Oxygenate compounds analyzed by EPA Method 8260B

TPH-d, TPH-g, and TPH-mo analyzed by EPA Method 8015B/FFP

TPH-g = Total petroleum hydrocarbons as gasoline

TPH-d = Total petroleum hydrocarbons as diesel

TPH-mo = Total petroleum hydrocarbons as motor oil

B = Benzene

T = Toluene

E = Ethylbenzene

X = Total xylenes

MTBE = Methyl t-Butyl Ether

TBA = Tert-Butyl Alcohol

DIPE = Diisopropyl Ether

ETBE = Ethyl t-Butyl Ether

TAME = Tert-Amyl-Methyl Ether

Table 5
Laboratory Analytical Results for Water - Volatile Organic Compounds
RO253, Unocal No. 5781 (351640)
3535 Pierson Street
Oakland, California

Soil Boring	Date	n-Butylbenzene ($\mu\text{g/L}$)	sec-Butylbenzene ($\mu\text{g/L}$)	Isopropylbenzene ($\mu\text{g/L}$)	Naphthalene ($\mu\text{g/L}$)	n-Propylbenzene ($\mu\text{g/L}$)
SB-11	6/16/2015	<0.50	<0.50	<0.50	<0.50	<0.50
SB-13	6/17/2015	230	250	120	31	450

Notes:

($\mu\text{g/L}$) = Micrograms per liter

ID = Identification

<# = Analyte not detected at or above indicated laboratory method detection limit

Volatile Organic Compounds (VOCs) analyzed by Environmental Protection Agency Method 8260B

VOCs not reported on this table were not detected for all samples.

Table 6
Laboratory Analytical Results for Water - Semi-Volatile Organic Compounds
RO253, Unocal No. 5781 (351640)
3535 Pierson Street
Oakland, California

Soil Boring	Date	Acenaphthene ($\mu\text{g/L}$)	2- Methylnaphthalene ($\mu\text{g/L}$)	Phenanthrene ($\mu\text{g/L}$)
SB-11	6/16/2015	<4.9	<4.9	<4.9
SB-13	6/17/2015	11	160	15

Notes:

($\mu\text{g/L}$) = Micrograms per liter

ID = Identification

<# = Analyte not detected at or above indicated laboratory method detection limit

Semi-Volatile Organic Compounds (SVOCs) analyzed by EPA Method 8270C

SVOCs not reported on this table were not detected for all samples.

Attachment A

Agency Correspondence

From: [Nowell, Keith, Env. Health](#)
To: [Arceneaux, Nicole Marie](#)
Cc: [Alexis Coulter \(ACoulter@Chevron.com\)](#); [Harms, James](#); [Roe, Dilan, Env. Health](#); [DeLong Liu \(delongisi@yahoo.com\)](#)
Subject: Work Plan Approval -Fuel Leak Case RO253 and GeoTracker Global ID T0600101467, Unocal #5781, 3535 Pierson St., Oakland
Date: Thursday, April 16, 2015 2:38:13 PM
Attachments: [Attachment 1 and ftpUploadInstructions 2014-05-15.pdf](#)

Dear Ms. Arceneaux:

Alameda County Environmental Health (ACEH) has reviewed the case file and the recently submitted document *Response to Technical Comments* (RTC), provided to ACEH via email, dated April 15, 2014, and prepared by AECOM for the subject site. The RTC addresses the four Technical Comments presented in the ACEH correspondence dated January 8, 2015.

In addition to the Technical Comments provided in the January 8, 2015 correspondence, ACEH requested the AECOM document entitled *Data gap Investigation Work Plan* (Work Plan), dated December 23, 2014, be uploaded to the ACEH ftp website. At this time the requested document has not been uploaded. Therefore, if not already submitted, please upload the document prepared for the subject site by the date specified below.

The RTC is in agreement with ACEH's January 8, 2015 Technical Comments addressing the soil and groundwater sampling and the analysis scope. Submittal of a revised work plan is not required provided that the modifications presented in the RTC are incorporated in to the AECOM December 23, 2014 Work Plan. ACEH requests that you perform the proposed work, and send us the technical reports described below.

Please provide ACEH with at least three (3) business days notification prior to conducting the fieldwork. ACEH requests that future communications include the ACEH case file number in the subject line.

Technical Report Request

Please upload technical reports to the ACEH ftp site (Attention: Keith Nowell), and to the State Water Resources Control Board's Geotracker website, in accordance with the following specified file naming convention and schedule:

- **May 1, 2015– Data Gap Investigation Work Plan** - ACEH ftp website only (file name: RO0000253_WP_R_yyyy-mm-dd)

- **July 15, 2015– Soil and Groundwater Investigation** (file name: RO0000253_SWI_R_yyyy-mm-dd)

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

Thank you for your cooperation. ACEH looks forward to working with you and your consultants to advance the case toward closure. Should you have any questions regarding this correspondence or your case, please call me at (510) 567-6764 or send an electronic mail message at keith.nowell@acgov.org.

Respectfully,
Keith Nowell P.G., C.HG.

Attachment: Responsible Party(ies) Legal Requirements/Obligations
ACEH Electronic Report Upload (ftp) Instructions

From: [Nowell, Keith, Env. Health](mailto:Keith.Nowell@aceh.ca.gov)
To: "Nicole.Arceneaux@chevron.com"
Cc: [Alexis Coulter \(ACoulter@Chevron.com\)](mailto:Alexis.Coulter@Chevron.com); [Harms, James](mailto:Harms.James@aceh.ca.gov); [Roe, Dilan, Env. Health](mailto:Roe.Dilan@aceh.ca.gov)
Subject: Fuel Leak Case RO253 Unocal #5781, 3535 Pierson St., Oakland
Date: Thursday, January 08, 2015 9:14:50 AM

Dear Ms. Arceneaux:

Alameda County Environmental Health (ACEH) has reviewed the document *Data Gap Investigation Work Plan* (Work Plan) dated December 23, 2014 and prepared by AECOM for the subject site. This report has only been submitted to Geotracker and has not been submitted to the County. Please additionally submit an electronic copy to ACEH.

The Work Plan addresses many of ACEH's technical comments presented during a meeting held on August 4, 2014.

Based on ACEH staff review of the referenced document and of the case file, we generally concur with the recently proposed scope of work, provided that the modifications requested in the technical comments below are addressed and incorporated during the field implementation. While the comments below request a number of additional analyses, submittal of a revised Work Plan is not required unless an alternate scope of work outside that described in the Work Plan and technical comments below is proposed. We request that you address the following technical comments and send us the technical reports requested below. Please provide 72-hour advance written notification to this office (e-mail preferred to: keith.nowell@acgov.org) prior to the start of field activities.

Technical Comments:

AECOM proposed scope of work:

1. First Generation Waste Oil Tank Assessment- The proposed work included the collection of soil samples at intervals of 2, 5, and 10 feet below the ground surface (bgs) from three borings.

ACEH requests that one soil sample be recovered from each soil bore in the 0- to 5-foot bgs and the 5- to 10 foot bgs intervals. Soil samples should also be recovered at areas of obvious contamination, the soil/groundwater interface, and at significant changes in lithology. The samples recovered are requested to be collected from at least two different depths within the 0- to 5-foot and from the 5- to 10 foot intervals in addition to the top of the soil/groundwater interface. If staining, odor, or elevated PID readings are observed over an interval of several feet, a sufficient number of soil samples from this interval should be submitted for laboratory analyses to characterize the fuel hydrocarbon concentrations within this interval. Please ensure that the analytical results define the vertical and horizontal extent of TPH impacts at the site.

As discussed in the meeting, ACEH is of the opinion that EB1 and EB2 groundwater samples may have been diluted as the depth of the recovered samples is significantly deeper than the depth to water reported for the site. Groundwater at the site ranges from 10.53 feet below the ground surface (bgs) to 19.55 feet bgs, but is typically in the range of 11 feet bgs to 16 feet bgs. ACEH requests that the soil borings associated with the waste oil tank investigation be advanced to a depth sufficient to collect grab groundwater samples. Please analyze grab groundwater samples for total petroleum hydrocarbons (TPH) as gasoline (TPHg), TPH as diesel (TPHd), TPH as motor oil (TPHmo), benzene, toluene, ethylbenzene, and xylenes (BTEX), methyl tertiary butyl ether (MTBE), the full suite of volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs).

2. Down Gradient Soil and Groundwater Assessment- The proposed work included the collection of soil samples at 5-foot intervals beginning at 5 feet bgs. The Work Plan does not specifically address if the soil samples will be submitted to an analytical laboratory for analysis.

ACEH requests that one soil sample be recovered from each soil bore in the 0- to 5-foot bgs and the 5- to 10 feet bgs intervals, at areas of obvious contamination, the soil/groundwater interface, and at significant changes in lithology. The samples recovered are requested to be collected from at least two different depths within the 0- to 5-foot and from the 5- to 10 foot intervals in addition to the top of the soil/groundwater interface. If staining, odor, or elevated PID readings are observed over an interval of several feet, a sufficient number of soil samples from this interval should be submitted for laboratory analyses to characterize the fuel hydrocarbon concentrations within this interval. Please ensure that the analytical results define the vertical and horizontal extent of TPH impacts at the site. Analyze the soil samples for TPHg, TPHd, TPHmo, BTEX, and MTBE.

Please analyze grab groundwater samples for TPHg, TPHd, TPHmo, BTEX, and MTBE.

3. Sample Analysis- The proposed scope of analysis for all samples included TPHg, TPHd, and total oil and grease (TOG) analysis using United States Environmental Protection Agency (EPA) test method 8015.

As discussed above, please substitute the TOG analysis with the analysis for motor oil (TPHmo) by EPA method 8015.

4. Reporting- As discussed in the meeting, please include a figure using an aerial photographic base showing the existing and currently proposed boring and groundwater sampling point locations and the nearby Julia Morgan School for Girls.

Please electronically submit the report summarizing the investigation results to both the ACEH ftp and the GeoTracker websites. In addition to the report document, the electronic submittal of information (ESI) to GeoTracker should also include individual files for lab data in Electronic Deliverable Format (EDF) and a GEOMAP.

Technical Report Request

Please upload technical reports to the ACEH ftp site (Attention: Keith Nowell), and to the State Water Resources Control Board's GeoTracker website, in accordance with the following specified file naming convention and by the schedule identified below:

- **May 7, 2015 – Soil and Groundwater Investigation** (file name: RO0000253_SWI_R_yyyy-mm-dd)

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23

CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

Online case files are available for review at the following website: <http://www.acgov.org/aceh/index.htm>.

Thank you for your cooperation. ACEH looks forward to working with you and your consultants to advance the case toward closure. Should you have any questions regarding this correspondence or your case, please call me at (510) 567-6764 or send an electronic mail message at keith.nowell@acgov.org.

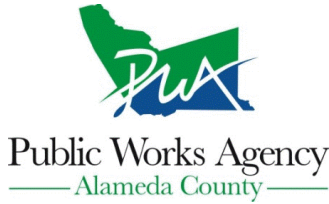
Respectfully,
Keith Nowell

Keith Nowell PG, CHG
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda , CA 94502-6540
phone: 510 / 567 - 6764
fax: 510 / 337 - 9335
email: keith.nowell@acgov.org

Attachment B

Permits

Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 05/26/2015 By jamesy

Permit Numbers: W2015-0422
Permits Valid from 06/02/2015 to 06/03/2015

Application Id: 1431722115533
Site Location: 3535 Pierson Street
Project Start Date: 06/02/2015
Assigned Inspector: Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org

City of Project Site:Oakland

Completion Date:06/03/2015

Applicant: AECOM - James Harms
2020 L Street, suite 400, Sacramento, CA 95811
Property Owner: Delong Liu
2501 N Main Street, Walnut Creek, CA 94597
Client: Nicole Arceneaux
6101 Bollinger Canyon Rd, room 5119, San Ramon, CA 94583

Phone: 916-414-5863

Phone: --

Phone: --

	Total Due:	\$265.00
Receipt Number: WR2015-0257	Total Amount Paid:	\$265.00
Payer Name : James D Harms	Paid By: VISA	PAID IN FULL

Works Requesting Permits:

Borehole(s) for Investigation-Environmental/Monitorinig Study - 6 Boreholes
Driller: Gregg Drilling - Lic #: 485165 - Method: DP

Work Total: \$265.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2015-0422	05/26/2015	08/31/2015	6	3.00 in.	20.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.
2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
4. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
5. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.

6. NOTE:

Under California laws, the owner/operator are responsible for reporting the contamination to the governmental regulatory

Alameda County Public Works Agency - Water Resources Well Permit

agencies under Section 25295(a). The owner/operator is liable for civil penalties under Section 25299(a)(4) and criminal penalties under Section 25299(d) for failure to report a leak. The owner/operator is liable for civil penalties under Section 25299(b)(4) for knowing failure to ensure compliance with the law by the operator. These penalty provisions do not apply to a potential buyer.

7. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

8. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.

9. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

10. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

11. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

12. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.

13. NOTE:

Under California laws, the owner/operator are responsible for reporting the contamination to the governmental regulatory agencies under Section 25295(a). The owner/operator is liable for civil penalties under Section 25299(a)(4) and criminal penalties under Section 25299(d) for failure to report a leak. The owner/operator is liable for civil penalties under Section 25299(b)(4) for knowing failure to ensure compliance with the law by the operator. These penalty provisions do not apply to a potential buyer.

14. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

15. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION
ENCROACHMENT PERMIT

TR-0120 (REV 6/2012)

Permit No.

0415-6SV 0666

Dist/Co/Rte/PM

04-ALA-580 R39.81

In compliance with (Check one):

- Your application of March 26, 2015
- Utility Notice No. _____ of _____
- Agreement No. _____ of _____
- R/W Contract No. _____ of _____

DATE

May 7, 2015

Fee Paid

\$492.00

Deposit

\$

Performance Bond Amount

\$

Payment Bond Amount

\$

Bond Company

Bond Number (1)

Bond Number (2)

TO: Chevron Environmental Management Company
 6101 Bollinger Canyon Road
 San Ramon, CA 95811

Attn: Nicole Arceneaux
 Phone: (925) 790-6912

PERMITTEE

and subject to the following, PERMISSION IS HEREBY GRANTED to:

Core and drill 3 soils boring locations in the landscape area to test overlaying soil and groundwater contamination for volatile organic compounds (VOC) in accordance to Alameda County Environmental Health Department, on eastbound I-580 off-ramp to MacArthur Blvd., at the 76 gas station, 3535 Pierson Street, on State Highway 04-ALA-580, Post Mile R39.81, in the City of Oakland.

A minimum of one week before the start of work under this permit, a notice must be given to and advance approval of construction detail, operations, public safety, and traffic control must be obtained from State Representative Sunny Mantravadi, 600 Lewelling Blvd., San Leandro, CA 94579, Surya.N.Mantravadi@dot.ca.gov or (510) 614-5951, weekdays between 7:30 AM and 4:00 PM, except holidays.

All permitted work requires the Permittee to apply for and obtain a work authorization number prior to start of work. See the attached "Encroachment Permit Work Scheduling Request Form." Additional time beyond the minimum seven-day advance notice required in this form may be required for obtaining the traffic control approval.

THIS PERMIT IS NOT A PROPERTY RIGHT AND DOES NOT TRANSFER WITH THE PROPERTY TO A NEW OWNER.

The following attachments are also included as part of this permit (Check applicable):

- Yes No General Provisions (TR-0045)
- Yes No Utility & Tree Trimming Provisions (03/2013)
- Yes No Storm Water Special Provisions (TR-0400)
- Yes No A Cal-OSHA permit, if required: Permit No.
- Yes No As-Built Plans Submittal Route Slip for Locally Advertised Projects
- Yes No Storm Water Pollution Prevention Plan

In addition to fee, the permittee will be billed actual costs for:

- Yes No Review
- Yes No Inspection
- Yes ----- Field Work

(If any Caltrans effort expended)

Yes No The information in the environmental documentation has been reviewed and considered prior to approval of this permit.

This permit is void unless the work is completed before May 31, 2016

This permit is to be strictly construed and no other work other than specifically mentioned is hereby authorized.
 No project work shall be commenced until all other necessary permits and environmental clearances have been obtained.

DC
 CC: Permit: S. Mantravadi
 Maint: B. Kimball
 Landscape Maint.: L. Wong
 DTM: Mitch Tirado
 TMC: J. Richardson, D4TMC/D04/Caltrans/CAGov
 File:

APPROVED:

BIJAN SARTIPI, District Director, District 4

BY:

David Salladay

DAVID SALLADAY, District Permit Engineer

ADA Notice

For individuals with sensory disabilities, this document is available in alternate formats. For information call (916) 654-6410 or TDD (916) 654-3880 or write Records and Forms Management, 1120 N Street, MS-89, Sacramento, CA 95814.

ADDITIONAL GENERAL SPECIAL PROVISIONS:

All the Permittee's personnel must wear appropriate and approved personal protective equipment per Chapter 12 of Caltrans "Safety Manual" (available at http://www.dot.ca.gov/hq/opo/safety/safetymanual/Chap_12-Sept2012.pdf), including hard hats and bright-colored vests, shirts or jackets with retro-reflective material, while on State right-of-way.

Caltrans is not subscribed to Underground Services Alert (USA). Caltrans may have existing electrical, signal and communication facilities within 9' from the surface. Permittee shall identify all existing underground facilities prior to perform trenching or boring and also repair/replace any damaged Caltrans facility due to their operation.

All utility work must comply with the attached "Encroachment Permits Utility and Tree Trimming Special Provisions" (Rev. 03/2013) (available at <http://www.dot.ca.gov/hq/traffops/developserv/permits/>), which includes "Encroachment Permit General Provisions" (TR-0049, Rev. 05/2007).

All work must comply with the attached "Storm Water Special Provisions for Minimal or No Impact" (TR-0400, Rev. 09/2012) (available at <http://www.dot.ca.gov/hq/traffops/developserv/permits/>), in addition to Water Pollution Control Program (WPCP), if any.

All work must comply with the attached "Encroachment Permit General Provisions" (TR-0049, Rev. 05/2007) (available at <http://www.dot.ca.gov/hq/traffops/developserv/permits/>).

Streets and highways in the San Francisco Bay Area contain a significant number of existing underground utilities. This includes traffic signal conduits that are installed 9 inches or less in depth. Permittee is responsible for necessary site investigations for identification of the location and depth of existing underground facilities prior to excavation (e.g. pothole or hand-dig) to avoid damage or disruption in services.

Certain details of work authorized hereby are shown on Permittee's plan submitted with request for permit, and all work within State Right-of-Way shall conform to current State Standard Plans and Specifications.

All permitted work requires the Permittee to apply for and obtain a work authorization number prior to start of work. See the attached "Encroachment Permit Work Scheduling Procedures" and the attached "Encroachment Permit Work Scheduling Request Form". Additional time beyond the minimum seven-day advance notice required in the above paragraph may be required for obtaining the traffic control approval.

Before any work is begun which will interrupt the normal flow of public traffic, approval shall be obtained from State Representative.

No vehicle or equipment shall be stored overnight within the right-of-way; it shall be removed immediately at the completion of the project.

Permittee shall be responsible for the collection and removal of trash or garbage generated by these construction activities.

All debris shall be removed from the right of way and the area left in a safe and presentable condition at the end of each presentable day.

Any damage to existing State's facilities shall be repaired or replaced in kind by the Permittee at Permittee's expense.

Suitable barricades, signs and lights, as approved by State Representative, to warn and protect traffic effectively shall enclose the site of the work.

Permittee shall provide safe pedestrian and bicycle passage around construction area.

Any future relocation of this facility for highway maintenance or construction shall be at the Permittee's expense. Section 703 of the Streets and Highway Code shall not apply

When operations are conducted, the Permittee must furnish, place, and maintain signs and safety equipment per Part 6, Temporary Traffic Control, of the "California Manual on Uniform Traffic Control Devices" (CA MUTCD), available at <http://www.dot.ca.gov/hq/traffops/signtech/mutcdsupp/pdf/camutcd2012/Part6.pdf>.

When approved, traffic control under this permit must comply with Caltrans Standard Plans RSP T9 through RSP T14 (available at http://www.dot.ca.gov/hq/esc/oe/construction_standards.html). For shoulder closure, see RSP T10. Where required by the plan, the use of flashing arrow board is MANDATORY. Use of flagman is required.

Shoulder and /or parking (if applicable) may be restricted while work is actively in progress.

Shoulder may be closed from 9:00 AM to 3:00 PM, Monday thru Friday. No lane or ramp closure permitted any other time. Holidays Excluded.

Permittee or the Contractor shall verify with City of Oakland for conflict in closure schedule, and cooperate and coordinate with all construction work activities in that vicinity.

If an accident or other incident (related to or not related to the permitted activity) occurs within, or close to the permitted activity, the Permittee shall immediately stop work and remove traffic controls from the highway unless public health, welfare and safety is endangered by unfinished work. Only traffic control to protect open excavations may remain in place. After free traffic flow is restored, work in accordance with the conditions of the permit may be resumed.

Permittee is responsible to remove or cover temporary information or guide road sign if there are no construction activities.

Any change in the existing drainage pattern, whether occasioned by increase or diversion, and the cost of any damage, repair or restoration of the State highway right of way shall be the responsibility of the Permittee.

Changes to the Plans, Specifications, and Permit Provisions are not allowed without Prior approval from the State Representative.

Any damage to existing facilities, landscaping or irrigation within the State Right-of-Way shall be replaced in kind by the Permittee at Permittee's expense. Any damaged concrete sidewalk shall be replaced from score-line to score-line and shall be ADA Compliant.

Removal of obstructing vegetation will not be permitted during a declared drought.

Damaged plants shall be replaced in kind by the Permittee at Permittee's expense.

Where there are potential Caltrans electrical facilities (lighting, signal, metering, etc) exist on the project site and not shown on the plans, the Permittee shall be responsible to resolve any conflicts and changes during construction. The Permittee shall incur any additional cost when there are changes to the original plans.

No excavation or trenching necessary or permitted.

Permittee shall be responsible to provide temporary concrete washout area, and see the Standard Plan 2010, Detail TS9. The "Concrete Waste Management", following link: <http://www.dot.ca.gov/hq/construc/stormwater/WM-08updated.pdf>.

Residue from saw cutting, coring and grinding operation shall be picked up by vacuum device. Residue shall not be allowed to flow across the pavement and shall not be left on the surface of the pavement.

Vacuumed slurry residue shall be disposed in accordance with, "Solid Waste Management" and "Storm Water Special Provisions for Minimal or No Impact."

Permittee shall remove and dispose of all spoils outside of State Right-of-Way. Permittee shall provide records of all the sites of disposal facilities to State Representative.

All boring operations must be done by a dry bore method without the use of air, water, or other liquid material, except that a minimum quantity of water supplied from a container mounted on operator's equipment may be used for bit lubrication, if authorized by the State Representative.

The permittee must ensure that all drilling fluids and earthly material are disposed in a way acceptable to the appropriate local, state, or federal regulatory agencies. Excess drilling material must be tested for contamination and disposed per local, state, and federal requirements.

Permitter reserves the right to impose any additional requirements or conditions, including considerations, for the use of its right of way, if such requirements or conditions are allowed by future legislation, administrative determination, and/or court decisions.

In case of conflict, permit requirement shall govern over existing Plans, Specifications & Estimates.

This Encroachment Permit herewith, for the work authorized to Chevron Environmental Management Company. Other Contractors shall apply for separate permit.

In addition to the above conditions, Permittee understand and acknowledges that the conditions, limitations, restrictions and reservation for access to state-owned highway right of way for telecommunications and information technologies, including consideration and means of access, are subject to current and ongoing Department and/or legislative review, and this permit may be revoked, made subject to different conditions, limitations, restrictions and reservations, or converted to license, lease or other form of agreement, upon reasonable notice.

Permittee understands and agrees that it will comply with the obligations of Titles II and III of the Americans with Disabilities Act of 1990 in the conduct of the event, and further agrees to indemnify and save harmless the State of California, all officers and employees thereof, including but not limited to the Director of Transportation, from any claims or liability arising out of or by virtue of said act.

A copy of this permit, complete with all attachments, shall be kept by the Permittee/contractor working under this permit and must be shown to the State Representatives, or State California Highway Patrol.

Notwithstanding General Provision No. 4, the Contractor for the Permittee must apply for a separate encroachment permit ("Double Permit" or "DP") for the work authorized therein, and the application must be accompanied by a check of the amount equivalent to \$492.00 is required at the time of application together with a copy of liability insurance, list State as insured. Additional inspection cost at the current Caltrans standard hourly rate of \$82.00 per hour. Permit processing fee per the current State hourly rate (available at <http://www.dot.ca.gov/hq/traffops/developserv/permits/>).

Permittee shall be responsible for full compliance with the Caltrans Storm Water Program and the Caltrans NPDES permit requirements. Please see the Storm Water Special Provisions attached to this Permit.

Any work involving bona-fide emergency repair on Permittee's facilities shall be initiated with Caltrans District 4 Communications center at (510) 286-6359 to obtain an appropriate lane closure or work authorization number. Emergencies are defined as those conditions that require immediate action to prevent property damage, loss of service, or life-safety risks.

Permittee shall refer to State's 2010 Standard Specifications and 2010 Standard Plans.

Permittee shall be responsible for any liability issue due to the proposed improvements within State Right-of-Way.

Permittee shall make an effort in controlling construction noise pollution within the local City ordinance.

California Endangered Species Act must be adhered to the law, regulations and policies in the provisions, <http://www.dfg.ca.gov/habcon/cesa/>.

Migratory Bird Treaty Act must be adhered to the law, regulations and policies in the provisions, <http://www.fws.gov/migratorybirds/RegulationsandPolicies.html> ; no work shall be allowed during bird nesting and the nesting area must not be disturbed and shall be protected.

Changes to the Plans, Specifications, and Permit Provisions are not allowed without prior approval from the State Representative.

Immediately following completion of the work permitted herein, the Permittee shall fill out and mail the Notice of Completion attached to this permit.

Attachment C

Boring Logs



AECOM
10461 Old Placerville Road
Sacramento, CA 95827
(916) 361-6400
www.aecom.com

Client: Chevron

Project Number: RO253 351640

Site Description/Location: 3535 Pierson Street, Oakland, CA

Coordinates: Not Surveyed Elevation: Datum:

Drilling Equipment/Method: /Direct Push

Sample Type(s): Macro-core Boring Diameter: 2.25 IN.

Boring No. SB-10

Project Manager: J. Harms

Sheet: 1 of 1

Well Installed: No

Ambient PID: 0.0 ppm

Approved By: J. Law PG#8840

Logged By: J Harms

Date/Time Started: 06-16-15

Depth of Boring: 18 ft bgs

Drilling Contractor: Gregg / Vince Pokrywka

Backfill: Cement Grout

Date/Time Finished: 06-16-15

Water Level: Not Encountered

Depth (ft)	Sample Depth (ft)	Sample ID	Sample Time	Recovery (ft)	PID Reading (ppm)	USCS	Graphic Log	Soil Boundary (ft bgs)	Visual Description Soil Type (USCS Class) - [gr%,sd%,st%,cl%]	Elevation (ft amsl)
								0.3	Asphalt.	
		SB-10-2	0742		0.0				SILT WITH CLAY (ML) - [0,0,80,20] brownish yellow (10YR 6/6); dry; medium dense; non-plastic; no odor.	
5		SB-10-5	0746		0.0	ML			SANDY SILT [0,30,60,10] very dark gray (10YR 3/1); dry; medium dense; non-plastic; fine sand; no odor.	
					0.0				SANDY SILT WITH CLAY [0,30,50,20] very dark gray (10YR 3/1); dry; medium dense; non-plastic; fine sand; (clay increases).	
10		SB-10-10	0820	4	0.0	CL		9.5	LEAN CLAY WITH SAND AND SILT (CL) - [10,20,20,50] dark brown (10YR 3/2); moist; stiff; low plasticity; subangular, fine sand; fine gravel (max 0.2"); no odor.	
					0.0			11.0	LEAN CLAY WITH SAND AND SILT [0,20,20,60] brown (10YR 5/4; dry; stiff; low plasticity; subangular, fine sand; no odor.	
					0.0				SILT (ML) - [0,10,80,10] brown (10YR 5/4; dry; very stiff; non-plastic; fine sand.	
				4	0.0	ML			(density increasing at 12 feet).	
15		SB-1-14.5	0830		0.0				SILT [0,10,80,10] brown (10YR 5/4; dry; hard; non-plastic; fine sand; no odor, refusal at 18 feet.	
				2	0.0					
								18.0		

Geologist terminated boring due to refusal.

Notes:





AECOM
10461 Old Placerville Road
Sacramento, CA 95827
(916) 361-6400
www.aecom.com

Client:	Chevron		
Project Number:	RO253	351640	
Site Description/Location:	3535 Pierson Street, Oakland, CA		
Coordinates:	Not Surveyed	Elevation:	Datum:
Drilling Equipment/Method:	/Direct Push		
Sample Type(s):	Macro-core	Boring Diameter:	2.25 IN.

Boring No. SB-11

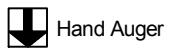
Project Manager:	J. Harms
Sheet:	1 of 1
Well Installed:	No
Ambient PID:	0.0 ppm

Approved By:	J. Law PG#8840	Logged By:	J Harms	Date/Time Started:	06-16-15	Depth of Boring:	20 ft bgs
Drilling Contractor:	Gregg / Vince Pokrywka	Backfill:	Cement Grout	Date/Time Finished:	06-16-15	Water Level:	15.2 ft bgs

Depth (ft)	Sample Depth (ft)	Sample ID	Sample Time	Recovery (ft)	PID Reading (ppm)	USCS	Graphic Log	Soil Boundary (ft bgs)	Visual Description Soil Type (USCS Class) - [gr%,sd%,st%,cl%]	Elevation (ft amsl)	
								0.3	Asphalt.		
		SB-11-2	0910		0.0				SANDY GRAVEL (GM) - [60,30,10,0] dark brown (10YR 3/1); dry; loose; subangular, poorly graded fine to medium sand; fine gravel (max 0.5"); previous excavation fill, wet at fill-native interface.		
5		SB-11-5	0920		0.0	GM					
					0.0						
10		SB-11-10	0930	4	0.0			14.0			
					0.0						
15		SB-11-15	0935		0.0			18.0	SILT WITH SAND (ML) - [0,15,80,5] brown (10YR 5/4); moist; soft; fine sand.		
					0.0	ML					
					0.0			18.0	LEAN CLAY (CL) - [0,10,10,80] reddish brown (10YR 6/6); moist; hard; low plasticity; fine sand; no odor, iron nodules.		
20					0.0	CL		20.0			

Geologist terminated boring due to refusal.

Notes:





AECOM
10461 Old Placerville Road
Sacramento, CA 95827
(916) 361-6400
www.aecom.com

Client:	Chevron	
Project Number:	RO253	351640
Site Description/Location:	3535 Pierson Street, Oakland, CA	
Coordinates:	Not Surveyed	Elevation: Datum:
Drilling Equipment/Method:	/Direct Push	
Sample Type(s):	Macro-core	Boring Diameter: 2.25 IN.

Boring No. SB-12

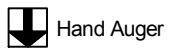
Project Manager:	J. Harms
Sheet:	1 of 1
Well Installed:	No
Ambient PID:	0.0 ppm

Approved By:	J. Law PG#8840	Logged By:	J Harms	Date/Time Started:	06-16-15	Depth of Boring:	20 ft bgs
Drilling Contractor:	Gregg / Vince Pokrywka	Backfill:	Cement Grout	Date/Time Finished:	06-16-15	Water Level:	Not Encountered

Depth (ft)	Sample Depth (ft)	Sample ID	Sample Time	Recovery (ft)	PID Reading (ppm)	USCS	Graphic Log	Soil Boundary (ft bgs)	Visual Description Soil Type (USCS Class) - [gr%,sd%,st%,cl%]	Elevation (ft amsl)
								0.3	asphalt.	
		SB-12-2	1012		0.0				SILT WITH SAND (ML) - [10,20,70,0] strong brown (10YR 5/6); moist; medium dense; subangular, fine sand; fine gravel (max 0.1"); no odor.	
5		SB-12-5	1020		0.1	ML			SILT WITH GRAVEL [20,10,70,0] strong brown (10YR 5/6); moist; medium dense; subangular, fine sand; fine gravel (max 0.2"); gravel increasing, no odor.	
					0.0			9.0	SILT WITH SAND [5,20,70,5] dark brown (10YR 3/1); moist; medium dense; subangular, fine sand; fine gravel (max 0.1").	
10		SB123-10	1030	4	0.0	CL			LEAN CLAY WITH SILT (CL) - [0,10,20,70] brown (10YR 5/3); moist; stiff; low plasticity; fine sand; no odor.	
				4	0.0			13.0	GRAVELLY SILT (ML) - [30,0,60,10] brown (10YR 5/3); moist; stiff; non-plastic; subangular, fine gravel (max 0.2").	
15		SB-12-15	1040		0.0	ML			layer of increased gravel 15.5-15.75 feet.	
				4	0.0			18.0		
					0.0	GM		20.0	GRAVEL WITH SILT (GM) - [70,10,20,0] brown (10YR 5/3); moist; stiff; non-plastic; subangular, poorly graded fine sand; fine gravel (max 0.5"); no odor.	
20										

Geologist terminated boring due to refusal.

Notes:





AECOM
10461 Old Placerville Road
Sacramento, CA 95827
(916) 361-6400
www.aecom.com

Client: Chevron

Project Number: RO253 351640

Site Description/Location: 3535 Pierson Street, Oakland, CA

Coordinates: Not Surveyed Elevation: Datum:

Drilling Equipment/Method: /Direct Push

Sample Type(s): Macro-core Boring Diameter: 2.25 IN.

Boring No. SB-13

Project Manager: J. Harms

Sheet: 1 of 1

Well Installed: No

Ambient PID: 0.0 ppm

Approved By: J. Law PG#8840

Logged By: J Harms

Date/Time Started: 06-17-15

Depth of Boring: 20 ft bgs

Drilling Contractor: Gregg / Vince Pokrywka

Backfill: Cement Grout

Date/Time Finished: 06-17-15

Water Level: 15.2 ft bgs

Depth (ft)	Sample Depth (ft)	Sample ID	Sample Time	Recovery (ft)	PID Reading (ppm)	USCS	Graphic Log	Soil Boundary (ft bgs)	Visual Description Soil Type (USCS Class) - [gr%,sd%,st%,cl%]	Elevation (ft amsl)
		SB-13-2 & DUP	0750		0.0	ML		4.0	SILT WITH SAND (ML) - [0,15,80,5] Brown (10YR 5/6); dry; medium dense; non-plastic; fine sand; no odor.	
5		SB-13-5	0755		0.0	CL		11.5	LEAN CLAY WITH SILT (CL) - [5,10,20,80] Brown (10YR 5/6); dry; medium dense; low plasticity; subangular, fine sand; fine gravel (max 0.1"). moist at 7-7.5 feet.	
10		SB-13-10	0815	4	0.0	GP		14.5	GRAVEL WITH SAND (GP) - [65,25,10,0] brown (7.5YR 4/6); dry; medium dense; subrounded, poorly graded fine sand; fine gravel (max 0.2").	
15		SB-13-GW	0820	4		CL		17.0	LEAN CLAY WITH SILT (CL) - [0,5,15,80] greyish brown (10YR 2/1); wet; medium dense; low plasticity; fine sand; grey staining, weathered odor.	
		SB-13-17	0830	4	3.2	GP		17.8	GRAVEL WITH SAND (GP) - [65,25,10,0] greyish brown (10YR 2/1); wet; medium dense; subrounded, poorly graded fine sand; fine gravel (max 0.2"); grey staining, weathered odor.	
		SB-13-19	0835		3.3	CL		20.0	LEAN CLAY WITH SILT (CL) - [5,5,15,75] dark brown (10YR 4/1); wet; stiff; low plasticity; staining and odor decrease with depth.	

Geologist terminated boring due to target depth achieved.

Notes:





AECOM
10461 Old Placerville Road
Sacramento, CA 95827
(916) 361-6400
www.aecom.com

Client: Chevron

Project Number: RO253 351640

Site Description/Location: 3535 Pierson Street, Oakland, CA

Coordinates: Not Surveyed Elevation: Datum:

Drilling Equipment/Method: /Direct Push

Sample Type(s): Macro-core Boring Diameter: 2.25 IN.

Boring No. SB-14

Project Manager: J. Harms

Sheet: 1 of 2

Well Installed: No

Ambient PID: 0.0 ppm

Approved By: J. Law PG#8840

Logged By: J Harms

Date/Time Started: 06-17-15

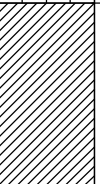
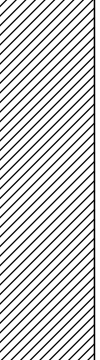
Depth of Boring: 24 ft bgs

Drilling Contractor: Gregg / Vince Pokrywka

Backfill: Cement Grout

Date/Time Finished: 06-17-15

Water Level: Not Encountered

Depth (ft)	Sample Depth (ft)	Sample ID	Sample Time	Recovery (ft)	PID Reading (ppm)	USCS	Graphic Log	Soil Boundary (ft bgs)	Visual Description Soil Type (USCS Class) - [gr%,sd%,st%,cl%]	Elevation (ft amsl)
5		SB-14-2	0845		0.0				SILT (ML) - [10,10,75,5] brown (10YR 4/2); dry; stiff; subangular, poorly graded fine sand; fine gravel (max 0.2"); vegetation at surface, minor charcoal observed.	
		SB-14-5	0850		0.0	ML			increased gravel starting at 6 feet.	
					0.0				SILT WITH GRAVEL [20,5,75,0] brown (10YR 4/2); dry; stiff; subangular, poorly graded fine sand; fine gravel (max 0.2").	
10		SB-14-10	0900	4	0.0			11.0	layer of increasing fine sand 9.5-10 feet. SILT WITH SAND [0,15,70,5] brown (10YR 4/2); moist; stiff; fine sand; no odor.	
						CL		14.0	LEAN CLAY WITH SILT (CL) - [0,10,20,70] dark brown (10YR 2/1); moist; medium dense; low plasticity; fine sand; no odor.	
15		SB-14-14	0905	4	0.0	ML		16.0	SANDY SILT (ML) - [5,30,60,5] dark yellowish brown (10YR 4/6); dry; stiff; subangular, poorly graded fine sand; fine gravel (max 0.1"); no odor.	
					0.0				LEAN CLAY WITH SAND (CL) - [5,15,5,75] dark yellowish brown (10YR 4/6); dry; very stiff; low plasticity; subangular, fine sand; fine gravel (max 0.1"); no odor.	
20		SB-14-16	0920	4	0.0	CL		22.0		

Notes:





AECOM
 10461 Old Placerville Road
 Sacramento, CA 95827
 (916) 361-6400
 www.aecom.com

Client: Chevron
 Project Number: RO253 351640
 Site Description/Location: 3535 Pierson Street, Oakland, CA
 Coordinates: Not Surveyed Elevation: Datum:
 Drilling Equipment/Method: /Direct Push
 Sample Type(s): Macro-core Boring Diameter: 2.25 IN.

Boring No. SB-14

Project Manager: J. Harms
 Sheet: 2 of 2
 Well Installed: No
 Ambient PID: 0.0 ppm

Approved By: J. Law PG#8840 Logged By: J Harms Date/Time Started: 06-17-15 Depth of Boring: 24 ft bgs
 Drilling Contractor: Gregg / Vince Pokrywka Backfill: Cement Grout Date/Time Finished: 06-17-15 Water Level: Not Encountered

Depth (ft)	Sample Depth (ft)	Sample ID	Sample Time	Recovery (ft)	PID Reading (ppm)	USCS	Graphic Log	Soil Boundary (ft bgs)	Visual Description Soil Type (USCS Class) - [gr%,sd%,st%,cl%]	Elevation (ft amsl)
				4	0.0	ML		24.0	SILTY LEAN CLAY (ML) - [0,0,40,60] dark yellowish brown (10YR 4/6); dry; very stiff; non-plastic; subangular, fine sand; fine gravel (max 0.1"); no odor.	
					0.0					

Geologist terminated boring due to target depth achieved.

Notes:



AECOM
10461 Old Placerville Road
Sacramento, CA 95827
(916) 361-6400
www.aecom.com

Client: Chevron

Project Number: RO253 351640

Site Description/Location: 3535 Pierson Street, Oakland, CA

Coordinates: Not Surveyed Elevation: Datum:

Drilling Equipment/Method: /Direct Push

Sample Type(s): Macro-core Boring Diameter: 2.25 IN.

Boring No. SB-15

Project Manager: J. Harms

Sheet: 1 of 1

Well Installed: No

Ambient PID: 0.0 ppm

Approved By: J. Law PG#8840

Logged By: J Harms

Date/Time Started: 06-16-15

Depth of Boring: 20 ft bgs

Drilling Contractor: Gregg / Vince Pokrywka

Backfill: Cement Grout

Date/Time Finished: 06-16-15

Water Level: Not Encountered

Depth (ft)	Sample Depth (ft)	Sample ID	Sample Time	Recovery (ft)	PID Reading (ppm)	USCS	Graphic Log	Soil Boundary (ft bgs)	Visual Description Soil Type (USCS Class) - [gr%,sd%,st%,cl%]	Elevation (ft amsl)
5	1310	SB-15-2	1310		0.0				GRAVELLY SILT (ML) - [40,10,50,0] brown (10YR 5/4); dry; medium dense; subangular, poorly graded fine sand; fine to coarse gravel (max 0.5").	
5	1315	SB-15-5	1315		0.0	ML			gravel decreases. SILT WITH SAND [10,20,60,10] brown (10YR 5/4); dry; medium dense; subangular, fine sand; fine gravel (max 0.1"); no odor.	
10	1330	SB-15-10	1330	4	2.6			11.0		
15				4		CL		16.5	LEAN CLAY WITH SILT (CL) - [0,10,20,70] light brown (10YR 7/4); moist; medium dense; low plasticity. LEAN CLAY WITH SILT [10,10,20,60] yellowish brown (10YR 5/8); moist; medium dense; low plasticity; subangular, fine sand; fine gravel (max 0.2").	
	1345	SB-15-17.5	1345	4	3.1	ML			SILT WITH SAND (ML) - [0,20,70,10] brown (10YR 4/2); moist; medium dense; fine sand. grey staining 17-17.5 feet.	
20	1350	SB-15-19	1350		8.7			20.0	SILT [10,10,70,10] wet; medium dense; subangular, fine sand; fine gravel (max 0.2"); no odor.	

Geologist terminated boring due to refusal.

Notes:



Attachment D

**BC Laboratories, Inc. Analytical
Report**



Date of Report: 07/02/2015

Jim Harms

AECOM

2020 L St, Suite 400
Sacramento, CA 95811

Client Project: 351640
BCL Project: 5781
BCL Work Order: 1515127
Invoice ID: B207294

Enclosed are the results of analyses for samples received by the laboratory on 6/19/2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

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

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Total Petroleum Hydrocarbons.....	37
1515127-03 - SB-10-S-N-10-20150616	
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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C).....	48
Total Petroleum Hydrocarbons.....	51
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Total Petroleum Hydrocarbons..... 170

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CHAIN OF CUSTODY

Page 1 of 4

Lab: BC Labs
TAT: Standard

Report results to:

Name: James Harms (james.harms@aecom.com)
Company: AECOM
Mailing Address: 2020 L Street, suite 400
City, State, Zip: Sacramento, CA 95811
Telephone No.: 916.414.5800
Fax No.: 916.414.5850

Project Information

Chevron Facility: 351640
Site Address: 3535 Pierson Street, Oakland CA
AECOM No. 60338852-07.11

15-15127

Special instructions and/or specific regulatory requirements:

Table with columns: Sample Identification, Date Sampled, Time Sampled, Matrix/Media, No. of Conds, TPHg, TPHd, and TPHmo 8015M, VOC (full list plus oxy) 8260B, SVOCs 8270-SIM, Sample Condition/Comments, Preservative. Includes handwritten notes like 'CHK BY DISTRIBUTION' and 'SUB-OUT'.

Relinquished by: [Signature] Date/Time: 6/18/15 08:58
Relinquished by: [Signature] Date/Time: 6/18/15 08:00
Method of Shipment: FedEx Next Business Day
Sample Condition on Rcpt: Only one amber was possible to fill





CHAIN OF CUSTODY

Page 2 of 4

Lab: BC Labs

TAT: Standard

Report results to:

Name: James Harms(james.harms@aecorn.com)
Company: AECOM
Mailing Address: 2020 L Street, suite 400
City, State, Zip: Sacramento, CA 95811
Telephone No.: 916.414.5800
Fax No.: 916.414.5850

Project Information

Chevron Facility: 351640
Site Address: 3535 Pierson Street, Oakland CA
AECOM No. 60338852-07.11

15-15127

Special instructions and/or specific regulatory requirements:

Table with columns: Sample Identification, Date Sampled, Time Sampled, Matrix/Media, No. of Conits., TPHg, TPHd, and TPHmo 8015M, VOC (full list plus oxy) 8260B, SVOCs 8270-SIM, Sample Condition/Comments, Preservative. Rows include sample IDs like SB-12-S-N-5-20150616 -11 and SB-13-S-N-19-20150617 -19.

Relinquished by: [Signature] Date/Time: 6/18/15 5:18
Relinquished by: [Signature] Date/Time: 6/18/15 09:15
Method of Shipment: Fedex Hand Del
Received by: [Signature] Date/Time: 6/18/15 08:00
Received by: [Signature] Date/Time: 6/19/15 8:00
Sample Condition on Rcpt:

*sample ID charges per Jim Harms. MM 6/22/15



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CHAIN OF CUSTODY

Page 3 of 4

Lab: BC Labs
TAT: Standard

Report results to:

Name: James Harms(james.harms@aecom.com)
Company: AECOM
Mailing Address: 2020 L Street, suite 400
City, State, Zip: Sacramento, CA 95811
Telephone No.: 916.414.5800
Fax No.: 916.414.5850

Project Information
Chevron Facility: 351640
Site Address: 3535 Pierson Street, Oakland CA
AECOM No.: 60338852-07.11

15-15127

Special instructions and/or specific regulatory requirements:

Table with columns: Sample Identification, Date Sampled, Time Sampled, Matrix/Media, No. of Conts, TPHg, TPHd, and TPHmo 8015M, VOC (full list plus oxy) 8260B, SVOCs 8270-SIM, Sample Condition/Comments, Preservative. Rows include sample IDs like SB-13-W-N-20150617-20 and various 'none' results.

Relinquished by: [Signature] Date/Time: 6/18/15 05:18
Relinquished by: [Signature] Date/Time: 6/18/15 08:00
Method of Shipment: FedEx Hand Del
Received by: [Signature] Date/Time: 6/18/15 08:00
Received by: [Signature] Date/Time: 6/18/15 8:00
Sample Condition on Rcpt:





CHAIN OF CUSTODY

Page 4 of 4

Lab: BC Labs

TAT: Standard



Report results to:

Name: James Harms (james.harms@aecom.com)
Company: AECOM
Mailing Address: 2020 L Street, suite 400
City, State, Zip: Sacramento, CA 95811
Telephone No.: 916.414.5800
Fax No.: 916.414.5850

Project Information

Chevron Facility: 351640
Site Address: 3535 Pierson Street, Oakland CA
AECOM No.: 60338852-07.11

15-15127

Special instructions and/or specific regulatory requirements:

Table with columns: Sample Identification, Date Sampled, Time Sampled, Matrix/Media, No. of Conds., Sample Condition/Comments, Preservative. Includes handwritten entries for sample SB-15-S-N-19-20150616 - 30 and various analysis checkboxes.

Relinquished by:

Relinquished by:

Method of Shipment:

Handwritten signatures and dates: Date/Time 6/15/15 08:18, Date/Time 6/15/15 09:15, Fedex Home Dr.

Received by: [Signature] Date/Time 6/15/15 08:20
Received by: [Signature] Date/Time 6/15/15 8:00
Sample Condition on Rcpt:



BC LABORATORIES INC. COOLER RECEIPT FORM Page 1 Of 34

Submission #: 15-15127

SHIPPING INFORMATION: Fed Ex, UPS, Ontrac, Hand Delivery, BC Lab Field Service, Other. SHIPPING CONTAINER: Ice Chest, None, Box, Other. 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: 0.95. Container: Glass. Thermometer ID: 208. Date/Time: 6-19-15. Analyst Init: [Signature]

SAMPLE CONTAINERS SAMPLE NUMBERS

Table with columns for Sample Containers and Sample Numbers (1-10). Rows include various sample types like QT PE UNPRES, INORGANIC CHEMICAL METALS, etc. Handwritten 'A' and 'ABC' are present in some cells.

Comments: Sample Numbering Completed By: KIBS Date/Time: 6/19/15 11:04 Rev. No. 19 05/06/2015



BC LABORATORIES INC. COOLER RECEIPT FORM Page 2 of 34

Submission #: 15-15127 K1101415

SHIPPING INFORMATION: Fed Ex, UPS, Ontrac, Hand Delivery, BC Lab Field Service, Other. SHIPPING CONTAINER: Ice Chest, None, Box, Other. FREE LIQUID: YES, NO.

Refrigerant: Ice, Blue Ice, None, Other. Comments:

Custody Seals: Ice Chest, Containers, None. 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: Glass. Thermometer ID: 208. Date/Time: 6-19-15. Analyst Init: [Signature]

Temperature: (A) 2.8 °C, (C) 29 °C

Table with columns for Sample Containers and Sample Numbers (1-20). Rows include various sample types like QT PE UNPRES, INORGANIC CHEMICAL METALS, etc. Row 19 contains handwritten 'A's.

Comments: Sample Numbering Completed By: K115 Date/Time: 6/19/15 1704 Rev. No. 19 05/06/2015



BC LABORATORIES INC. COOLER RECEIPT FORM Page 3 of 34

Submission #: 15-15127

11/16/15

SHIPPING INFORMATION
Fed Ex [] UPS [] Ontrac [x] Hand Delivery []
BC Lab Field Service [] Other [] (Specify)

SHIPPING CONTAINER
Ice Chest [x] None [] Box []
Other [] (Specify)

FREE LIQUID
YES [] NO []

Refrigerant: Ice [x] Blue Ice [] None [] Other [] Comments:

Custody Seals Ice Chest [] Containers [] None [x] Comments:
Intact? Yes [] No [] Intact? Yes [] No []

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

COC Received
YES [x] NO []

Emissivity: 0.95 Container: glass Thermometer ID: 208

Date/Time 6-19-15

Temperature: (A) 2.9 °C (C) 2.9 °C

Analyst Init [Signature] 8:00

Table with columns for Sample Containers and Sample Numbers (21-30). Rows include various container types like QT PE UNPRES, PT INORGANIC CHEMICAL METALS, etc. Handwritten entries include 'ABC' and 'DE' in the sample number columns.

Comments:

Sample Numbering Completed By: KIB
A = Actual / C = Corrected

Date/Time: 10/19/15 TDB

Rev. No. 19 05/06/2015

(S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMRECrev 19)

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BC LABORATORIES INC. COOLER RECEIPT FORM Page 4 Of 4
 Submission #: 15-15128

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

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: 0.95 Container: Glass Thermometer ID: 208
 Temperature: (A) 2.8 °C (C) 29 °C Date/Time 6-19-15
 Analyst Init JR

SAMPLE CONTAINERS	SAMPLE NUMBERS										
	3	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES											
4oz / 8oz / 16oz PE UNPRES											
2oz Cr ⁶											
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											
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 Amber EPA 548											
QT EPA 549											
QT EPA 8015M											
8oz / 16oz / 32oz AMBER											
8oz / 16oz / 32oz JAR	A										
SOIL SLEEVE			A	A	A	A					
PCB VIAL											
PLASTIC BAG											
Tedlar Bag											
FERROUS IRON											
ENCORE											
SMART KIT											
Summa Canister											

Comments: _____
 Sample Numbering Completed By: KTB Date/Time: 6/19/15 KTB
 = Actual / C = Corrected



AECOM
2020 L St, Suite 400
Sacramento, CA 95811

Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
------------	---------------------------

1515127-01	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-10-S-N-2-20150616 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/16/2015 07:42 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: Location ID (FieldPoint): SB-10 Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1515127-02	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-10-S-N-5-20150616 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/16/2015 07:46 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: Location ID (FieldPoint): SB-10 Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1515127-03	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-10-S-N-10-20150616 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/16/2015 08:20 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: Location ID (FieldPoint): SB-10 Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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Sacramento, CA 95811

Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1515127-04	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-10-S-N-14.5-20150616 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/16/2015 08:30 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: Location ID (FieldPoint): SB-10 Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1515127-05	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-11-S-N-2-20150616 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/16/2015 09:10 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: Location ID (FieldPoint): SB-11 Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1515127-06	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-11-S-N-5-20150616 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/16/2015 09:20 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: Location ID (FieldPoint): SB-11 Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1515127-07	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-11-S-N-10-20150616 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/16/2015 09:30 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: Location ID (FieldPoint): SB-11 Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1515127-08	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-11-S-N-15-20150616 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/16/2015 09:35 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: Location ID (FieldPoint): SB-11 Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1515127-09	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-11-W-N-20150616 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/16/2015 12:20 Sample Depth: --- Lab Matrix: Water Sample Type: Water Delivery Work Order: Global ID: Location ID (FieldPoint): SB-11 Matrix: W Sample QC Type (SACode): CS Cooler ID:
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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1515127-10	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-12-S-N-2-20150616 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/16/2015 10:12 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: Location ID (FieldPoint): SB-12 Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1515127-11	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-12-S-N-5-20150616 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/16/2015 10:20 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: Location ID (FieldPoint): SB-12 Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1515127-12	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-12-S-N-10-20150616 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/16/2015 10:30 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: Location ID (FieldPoint): SB-12 Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1515127-13	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-12-S-N-15-20150616 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/16/2015 10:40 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: Location ID (FieldPoint): SB-12 Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1515127-14	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-13-S-N-2-20150617 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/17/2015 07:50 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: Location ID (FieldPoint): SB-13 Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1515127-15	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-13-S-Y-2-20150617 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/17/2015 07:55 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: Location ID (FieldPoint): SB-13 Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1515127-16	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-13-S-N-10-20150617 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/17/2015 08:15 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: Location ID (FieldPoint): SB-13 Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1515127-17	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-13-S-N-12-20150617 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/17/2015 08:20 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: Location ID (FieldPoint): SB-13 Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1515127-18	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-13-S-N-17-20150617 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/17/2015 08:30 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: Location ID (FieldPoint): SB-13 Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1515127-19	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-13-S-N-19-20150617 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/17/2015 08:35 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: Location ID (FieldPoint): SB-13 Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1515127-20	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-13-W-N-20150617 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/17/2015 09:50 Sample Depth: --- Lab Matrix: Water Sample Type: Water Delivery Work Order: Global ID: Location ID (FieldPoint): SB-13 Matrix: W Sample QC Type (SACode): CS Cooler ID:
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1515127-21	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-14-S-N-2-20150617 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/17/2015 08:45 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: Location ID (FieldPoint): SB-14 Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1515127-22	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-14-S-N-5-20150617 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/17/2015 08:50 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: Location ID (FieldPoint): SB-14 Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1515127-23	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-14-S-N-10-20150617 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/17/2015 09:00 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: Location ID (FieldPoint): SB-14 Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1515127-24	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-14-S-N-14-20150617 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/17/2015 09:05 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: Location ID (FieldPoint): SB-14 Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1515127-25	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-14-S-N-16-20150617 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/17/2015 09:20 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: Location ID (FieldPoint): SB-14 Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1515127-26	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-15-S-N-2-20150616 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/16/2015 13:10 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: Location ID (FieldPoint): SB-15 Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1515127-27	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-15-S-N-5-20150616 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/16/2015 13:15 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: Location ID (FieldPoint): SB-15 Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1515127-28	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-15-S-N-10-20150616 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/16/2015 13:30 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: Location ID (FieldPoint): SB-15 Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1515127-29	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-15-S-N-17.5-20150616 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/16/2015 13:45 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: Location ID (FieldPoint): SB-15 Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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1515127-30	COC Number: --- Project Number: 5781 Sampling Location: --- Sampling Point: SB-15-S-N-19-20150616 Sampled By: AECS	Receive Date: 06/19/2015 08:00 Sampling Date: 06/16/2015 13:50 Sample Depth: --- Lab Matrix: Solids Sample Type: Soil Delivery Work Order: Global ID: Location ID (FieldPoint): SB-15 Matrix: SO Sample QC Type (SACode): CS Cooler ID:
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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information
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1515127-31	COC Number: ---	Receive Date: 06/19/2015 08:00
	Project Number: 5781	Sampling Date: 06/17/2015 07:55
	Sampling Location: ---	Sample Depth: ---
	Sampling Point: SB-13-S-N-5-20150617	Lab Matrix: Solids
	Sampled By: AECS	Sample Type: Soil
		Delivery Work Order:
		Global ID:
		Location ID (FieldPoint): SB-13
		Matrix: SO
		Sample QC Type (SACode): CS
		Cooler ID:

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-01	Client Sample Name: 5781, SB-10-S-N-2-20150616, 6/16/2015 7:42:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,2-Dichloroethene	ND	mg/kg	0.010		EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

Table with 2 columns: BCL Sample ID (1515127-01) and Client Sample Name (5781, SB-10-S-N-2-20150616, 6/16/2015 7:42:00AM)

Main data table with 9 columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various chemical compounds and their analysis results.

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-01	Client Sample Name: 5781, SB-10-S-N-2-20150616, 6/16/2015 7:42:00AM
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	106	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	102	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/24/15	06/25/15 15:28	ADC	MS-V2	1	BYF2327

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-01	Client Sample Name: 5781, SB-10-S-N-2-20150616, 6/16/2015 7:42:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0		EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50		EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-01	Client Sample Name: 5781, SB-10-S-N-2-20150616, 6/16/2015 7:42:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20		EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10		EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10		EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20		EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50		EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10		EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0		EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-01 Client Sample Name: 5781, SB-10-S-N-2-20150616, 6/16/2015 7:42:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	42.6	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	36.4	%	30 - 130 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	31.5	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	28.5	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	33.4	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	48.0	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	06/25/15	06/30/15 18:36	VH1	MS-B2	0.954	BYF2779

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-01	Client Sample Name: 5781, SB-10-S-N-2-20150616, 6/16/2015 7:42:00AM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0		EPA-8015B/FFP	ND		1
TPH - Motor Oil	6.7	mg/kg	4.0		EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	89.4	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/25/15	06/29/15 19:30	MWB	GC-2	0.970	BYF2628

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-02 **Client Sample Name:** 5781, SB-10-S-N-5-20150616, 6/16/2015 7:46:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,2-Dichloroethene	ND	mg/kg	0.010		EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-02	Client Sample Name: 5781, SB-10-S-N-5-20150616, 6/16/2015 7:46:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,3-Dichloropropene	ND	mg/kg	0.010		EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010		EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010		EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.050		EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Ethanol	ND	mg/kg	1.0		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-02	Client Sample Name: 5781, SB-10-S-N-5-20150616, 6/16/2015 7:46:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	108	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	105	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	103	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/24/15	06/25/15 15:51	ADC	MS-V2	1	BYF2327

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-02 Client Sample Name: 5781, SB-10-S-N-5-20150616, 6/16/2015 7:46:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0		EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50		EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-02	Client Sample Name: 5781, SB-10-S-N-5-20150616, 6/16/2015 7:46:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20		EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10		EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10		EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20		EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50		EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10		EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0		EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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AECOM
2020 L St, Suite 400
Sacramento, CA 95811

Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-02 Client Sample Name: 5781, SB-10-S-N-5-20150616, 6/16/2015 7:46:00AM

Table with 9 columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various chemical compounds and their test results.

Table with 9 columns: Run #, Method, Prep Date, Run Date/Time, Analyst, Instrument, Dilution, QC Batch ID. Provides details for the first run.

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-02		Client Sample Name: 5781, SB-10-S-N-5-20150616, 6/16/2015 7:46:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0		EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	95.3	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/25/15	06/29/15 19:53	MWB	GC-2	0.990	BYF2628

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-03	Client Sample Name: 5781, SB-10-S-N-10-20150616, 6/16/2015 8:20:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,2-Dichloroethene	ND	mg/kg	0.010		EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-03	Client Sample Name: 5781, SB-10-S-N-10-20150616, 6/16/2015 8:20:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,3-Dichloropropene	ND	mg/kg	0.010		EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010		EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010		EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.050		EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Ethanol	ND	mg/kg	1.0		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-03	Client Sample Name: 5781, SB-10-S-N-10-20150616, 6/16/2015 8:20:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	103	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	104	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.6	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/24/15	06/24/15 16:48	ADC	MS-V2	1	BYF2327

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-03	Client Sample Name: 5781, SB-10-S-N-10-20150616, 6/16/2015 8:20:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0		EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50		EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-03	Client Sample Name: 5781, SB-10-S-N-10-20150616, 6/16/2015 8:20:00AM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20		EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10		EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10		EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20		EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50		EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10		EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0		EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-03	Client Sample Name: 5781, SB-10-S-N-10-20150616, 6/16/2015 8:20:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	48.9	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	39.6	%	30 - 130 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	35.6	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	42.0	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	45.3	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	46.0	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	06/25/15	06/30/15 19:30	VH1	MS-B2	1	BYF2779

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-03	Client Sample Name: 5781, SB-10-S-N-10-20150616, 6/16/2015 8:20:00AM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0		EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	96.0	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/25/15	06/29/15 20:15	MWB	GC-2	1	BYF2628

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-04	Client Sample Name: 5781, SB-10-S-N-14.5-20150616, 6/16/2015 8:30:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,2-Dichloroethene	ND	mg/kg	0.010		EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

Table with 2 columns: BCL Sample ID (1515127-04) and Client Sample Name (5781, SB-10-S-N-14.5-20150616, 6/16/2015 8:30:00AM)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various chemical compounds and their detection results.

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-04	Client Sample Name: 5781, SB-10-S-N-14.5-20150616, 6/16/2015 8:30:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	113	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	105	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/24/15	06/25/15 16:13	ADC	MS-V2	1	BYF2327

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-04	Client Sample Name: 5781, SB-10-S-N-14.5-20150616, 6/16/2015 8:30:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0		EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50		EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-04	Client Sample Name: 5781, SB-10-S-N-14.5-20150616, 6/16/2015 8:30:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20		EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10		EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10		EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20		EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50		EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10		EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0		EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-04	Client Sample Name: 5781, SB-10-S-N-14.5-20150616, 6/16/2015 8:30:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	62.9	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	55.1	%	30 - 130 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	47.1	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	55.4	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	60.9	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	55.1	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	06/25/15	06/30/15 19:57	VH1	MS-B2	1.007	BYF2779

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-04	Client Sample Name: 5781, SB-10-S-N-14.5-20150616, 6/16/2015 8:30:00AM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0		EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	82.4	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/25/15	06/29/15 20:38	MWB	GC-2	0.997	BYF2628

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-05	Client Sample Name: 5781, SB-11-S-N-2-20150616, 6/16/2015 9:10:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,2-Dichloroethene	ND	mg/kg	0.010		EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-05	Client Sample Name: 5781, SB-11-S-N-2-20150616, 6/16/2015 9:10:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,3-Dichloropropene	ND	mg/kg	0.010		EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010		EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010		EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.050		EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Ethanol	ND	mg/kg	1.0		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-05	Client Sample Name: 5781, SB-11-S-N-2-20150616, 6/16/2015 9:10:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	118	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	104	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.6	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/24/15	06/24/15 17:33	ADC	MS-V2	1	BYF2327

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-05	Client Sample Name: 5781, SB-11-S-N-2-20150616, 6/16/2015 9:10:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	16		EPA-8270C	ND	A10	1
Acenaphthylene	ND	mg/kg	16		EPA-8270C	ND	A10	1
Aldrin	ND	mg/kg	16		EPA-8270C	ND	A10	1
Aniline	ND	mg/kg	33		EPA-8270C	ND	A10	1
Anthracene	ND	mg/kg	16		EPA-8270C	ND	A10	1
Benzidine	ND	mg/kg	490		EPA-8270C	ND	A10	1
Benzo[a]anthracene	ND	mg/kg	16		EPA-8270C	ND	A10	1
Benzo[b]fluoranthene	ND	mg/kg	16		EPA-8270C	ND	A10	1
Benzo[k]fluoranthene	ND	mg/kg	16		EPA-8270C	ND	A10	1
Benzo[a]pyrene	ND	mg/kg	16		EPA-8270C	ND	A10	1
Benzo[g,h,i]perylene	ND	mg/kg	16		EPA-8270C	ND	A10	1
Benzoic acid	ND	mg/kg	82		EPA-8270C	ND	A10	1
Benzyl alcohol	ND	mg/kg	16		EPA-8270C	ND	A10	1
Benzyl butyl phthalate	ND	mg/kg	16		EPA-8270C	ND	A10	1
alpha-BHC	ND	mg/kg	16		EPA-8270C	ND	A10	1
beta-BHC	ND	mg/kg	16		EPA-8270C	ND	A10	1
delta-BHC	ND	mg/kg	16		EPA-8270C	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	16		EPA-8270C	ND	A10	1
bis(2-Chloroethoxy)methane	ND	mg/kg	16		EPA-8270C	ND	A10	1
bis(2-Chloroethyl) ether	ND	mg/kg	16		EPA-8270C	ND	A10	1
bis(2-Chloroisopropyl) ether	ND	mg/kg	16		EPA-8270C	ND	A10	1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	33		EPA-8270C	ND	A10	1
4-Bromophenyl phenyl ether	ND	mg/kg	16		EPA-8270C	ND	A10	1
4-Chloroaniline	ND	mg/kg	16		EPA-8270C	ND	A10	1
2-Chloronaphthalene	ND	mg/kg	16		EPA-8270C	ND	A10	1
4-Chlorophenyl phenyl ether	ND	mg/kg	16		EPA-8270C	ND	A10	1
Chrysene	ND	mg/kg	16		EPA-8270C	ND	A10	1
4,4'-DDD	ND	mg/kg	16		EPA-8270C	ND	A10	1
4,4'-DDE	ND	mg/kg	16		EPA-8270C	ND	A10	1
4,4'-DDT	ND	mg/kg	16		EPA-8270C	ND	A10	1
Dibenzo[a,h]anthracene	ND	mg/kg	16		EPA-8270C	ND	A10	1
Dibenzofuran	ND	mg/kg	16		EPA-8270C	ND	A10	1
1,2-Dichlorobenzene	ND	mg/kg	16		EPA-8270C	ND	A10	1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-05	Client Sample Name: 5781, SB-11-S-N-2-20150616, 6/16/2015 9:10:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	16		EPA-8270C	ND	A10	1
1,4-Dichlorobenzene	ND	mg/kg	16		EPA-8270C	ND	A10	1
3,3-Dichlorobenzidine	ND	mg/kg	33		EPA-8270C	ND	A10	1
Dieldrin	ND	mg/kg	16		EPA-8270C	ND	A10	1
Diethyl phthalate	ND	mg/kg	16		EPA-8270C	ND	A10	1
Dimethyl phthalate	ND	mg/kg	16		EPA-8270C	ND	A10	1
Di-n-butyl phthalate	ND	mg/kg	16		EPA-8270C	ND	A10	1
2,4-Dinitrotoluene	ND	mg/kg	16		EPA-8270C	ND	A10	1
2,6-Dinitrotoluene	ND	mg/kg	16		EPA-8270C	ND	A10	1
Di-n-octyl phthalate	ND	mg/kg	16		EPA-8270C	ND	A10	1
1,2-Diphenylhydrazine	ND	mg/kg	16		EPA-8270C	ND	A10	1
Endosulfan I	ND	mg/kg	33		EPA-8270C	ND	A10	1
Endosulfan II	ND	mg/kg	33		EPA-8270C	ND	A10	1
Endosulfan sulfate	ND	mg/kg	16		EPA-8270C	ND	A10	1
Endrin	ND	mg/kg	33		EPA-8270C	ND	A10	1
Endrin aldehyde	ND	mg/kg	82		EPA-8270C	ND	A10	1
Fluoranthene	ND	mg/kg	16		EPA-8270C	ND	A10	1
Fluorene	ND	mg/kg	16		EPA-8270C	ND	A10	1
Heptachlor	ND	mg/kg	16		EPA-8270C	ND	A10	1
Heptachlor epoxide	ND	mg/kg	16		EPA-8270C	ND	A10	1
Hexachlorobenzene	ND	mg/kg	16		EPA-8270C	ND	A10	1
Hexachlorobutadiene	ND	mg/kg	16		EPA-8270C	ND	A10	1
Hexachlorocyclopentadiene	ND	mg/kg	16		EPA-8270C	ND	A10	1
Hexachloroethane	ND	mg/kg	16		EPA-8270C	ND	A10	1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	16		EPA-8270C	ND	A10	1
Isophorone	ND	mg/kg	16		EPA-8270C	ND	A10	1
2-Methylnaphthalene	ND	mg/kg	16		EPA-8270C	ND	A10	1
Naphthalene	ND	mg/kg	16		EPA-8270C	ND	A10	1
2-Naphthylamine	ND	mg/kg	490		EPA-8270C	ND	A10	1
2-Nitroaniline	ND	mg/kg	16		EPA-8270C	ND	A10	1
3-Nitroaniline	ND	mg/kg	33		EPA-8270C	ND	A10	1
4-Nitroaniline	ND	mg/kg	33		EPA-8270C	ND	A10	1
Nitrobenzene	ND	mg/kg	16		EPA-8270C	ND	A10	1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-05	Client Sample Name: 5781, SB-11-S-N-2-20150616, 6/16/2015 9:10:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	16		EPA-8270C	ND	A10	1
N-Nitrosodi-N-propylamine	ND	mg/kg	16		EPA-8270C	ND	A10	1
N-Nitrosodiphenylamine	ND	mg/kg	16		EPA-8270C	ND	A10	1
Phenanthrene	ND	mg/kg	16		EPA-8270C	ND	A10	1
Pyrene	ND	mg/kg	16		EPA-8270C	ND	A10	1
1,2,4-Trichlorobenzene	ND	mg/kg	16		EPA-8270C	ND	A10	1
4-Chloro-3-methylphenol	ND	mg/kg	33		EPA-8270C	ND	A10	1
2-Chlorophenol	ND	mg/kg	16		EPA-8270C	ND	A10	1
2,4-Dichlorophenol	ND	mg/kg	16		EPA-8270C	ND	A10	1
2,4-Dimethylphenol	ND	mg/kg	16		EPA-8270C	ND	A10	1
4,6-Dinitro-2-methylphenol	ND	mg/kg	82		EPA-8270C	ND	A10	1
2,4-Dinitrophenol	ND	mg/kg	82		EPA-8270C	ND	A10	1
2-Methylphenol	ND	mg/kg	16		EPA-8270C	ND	A10	1
3- & 4-Methylphenol	ND	mg/kg	33		EPA-8270C	ND	A10	1
2-Nitrophenol	ND	mg/kg	16		EPA-8270C	ND	A10	1
4-Nitrophenol	ND	mg/kg	33		EPA-8270C	ND	A10	1
Pentachlorophenol	ND	mg/kg	33		EPA-8270C	ND	A10	1
Phenol	ND	mg/kg	16		EPA-8270C	ND	A10	1
2,4,5-Trichlorophenol	ND	mg/kg	33		EPA-8270C	ND	A10	1
2,4,6-Trichlorophenol	ND	mg/kg	33		EPA-8270C	ND	A10	1
2-Fluorophenol (Surrogate)	69.8	%	20 - 130 (LCL - UCL)		EPA-8270C		A10	1
Phenol-d5 (Surrogate)	55.2	%	30 - 130 (LCL - UCL)		EPA-8270C		A10	1
Nitrobenzene-d5 (Surrogate)	53.4	%	30 - 130 (LCL - UCL)		EPA-8270C		A10	1
2-Fluorobiphenyl (Surrogate)	78.5	%	20 - 140 (LCL - UCL)		EPA-8270C		A10	1
2,4,6-Tribromophenol (Surrogate)	56.2	%	20 - 150 (LCL - UCL)		EPA-8270C		A10	1
p-Terphenyl-d14 (Surrogate)	76.7	%	30 - 150 (LCL - UCL)		EPA-8270C		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	06/25/15	06/30/15 20:25	VH1	MS-B2	163.33	BYF2779

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-05	Client Sample Name: 5781, SB-11-S-N-2-20150616, 6/16/2015 9:10:00AM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	350		EPA-8015B/FFP	ND	A01	1
TPH - Diesel (FFP)	ND	mg/kg	170		EPA-8015B/FFP	ND	A01	1
TPH - Motor Oil	1300	mg/kg	350		EPA-8015B/FFP	ND	A01	1
Tetracosane (Surrogate)	59.2	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/25/15	07/01/15 06:05	MWB	GC-13	86.471	BYF2628

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-06 **Client Sample Name:** 5781, SB-11-S-N-5-20150616, 6/16/2015 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,2-Dichloroethene	ND	mg/kg	0.010		EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

Table with 2 columns: BCL Sample ID (1515127-06) and Client Sample Name (5781, SB-11-S-N-5-20150616, 6/16/2015 9:20:00AM)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various chemical compounds and their detection results.

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-06	Client Sample Name: 5781, SB-11-S-N-5-20150616, 6/16/2015 9:20:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	109	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.5	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	97.0	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/24/15	06/24/15 17:56	ADC	MS-V2	1	BYF2327

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-06	Client Sample Name: 5781, SB-11-S-N-5-20150616, 6/16/2015 9:20:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Acenaphthylene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Aldrin	ND	mg/kg	15		EPA-8270C	ND	A10	1
Aniline	ND	mg/kg	30		EPA-8270C	ND	A10	1
Anthracene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Benzidine	ND	mg/kg	450		EPA-8270C	ND	A10	1
Benzo[a]anthracene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Benzo[b]fluoranthene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Benzo[k]fluoranthene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Benzo[a]pyrene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Benzo[g,h,i]perylene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Benzoic acid	ND	mg/kg	75		EPA-8270C	ND	A10	1
Benzyl alcohol	ND	mg/kg	15		EPA-8270C	ND	A10	1
Benzyl butyl phthalate	ND	mg/kg	15		EPA-8270C	ND	A10	1
alpha-BHC	ND	mg/kg	15		EPA-8270C	ND	A10	1
beta-BHC	ND	mg/kg	15		EPA-8270C	ND	A10	1
delta-BHC	ND	mg/kg	15		EPA-8270C	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	15		EPA-8270C	ND	A10	1
bis(2-Chloroethoxy)methane	ND	mg/kg	15		EPA-8270C	ND	A10	1
bis(2-Chloroethyl) ether	ND	mg/kg	15		EPA-8270C	ND	A10	1
bis(2-Chloroisopropyl) ether	ND	mg/kg	15		EPA-8270C	ND	A10	1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	30		EPA-8270C	ND	A10	1
4-Bromophenyl phenyl ether	ND	mg/kg	15		EPA-8270C	ND	A10	1
4-Chloroaniline	ND	mg/kg	15		EPA-8270C	ND	A10	1
2-Chloronaphthalene	ND	mg/kg	15		EPA-8270C	ND	A10	1
4-Chlorophenyl phenyl ether	ND	mg/kg	15		EPA-8270C	ND	A10	1
Chrysene	ND	mg/kg	15		EPA-8270C	ND	A10	1
4,4'-DDD	ND	mg/kg	15		EPA-8270C	ND	A10	1
4,4'-DDE	ND	mg/kg	15		EPA-8270C	ND	A10	1
4,4'-DDT	ND	mg/kg	15		EPA-8270C	ND	A10	1
Dibenzo[a,h]anthracene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Dibenzofuran	ND	mg/kg	15		EPA-8270C	ND	A10	1
1,2-Dichlorobenzene	ND	mg/kg	15		EPA-8270C	ND	A10	1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-06	Client Sample Name: 5781, SB-11-S-N-5-20150616, 6/16/2015 9:20:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	15		EPA-8270C	ND	A10	1
1,4-Dichlorobenzene	ND	mg/kg	15		EPA-8270C	ND	A10	1
3,3-Dichlorobenzidine	ND	mg/kg	30		EPA-8270C	ND	A10	1
Dieldrin	ND	mg/kg	15		EPA-8270C	ND	A10	1
Diethyl phthalate	ND	mg/kg	15		EPA-8270C	ND	A10	1
Dimethyl phthalate	ND	mg/kg	15		EPA-8270C	ND	A10	1
Di-n-butyl phthalate	ND	mg/kg	15		EPA-8270C	ND	A10	1
2,4-Dinitrotoluene	ND	mg/kg	15		EPA-8270C	ND	A10	1
2,6-Dinitrotoluene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Di-n-octyl phthalate	ND	mg/kg	15		EPA-8270C	ND	A10	1
1,2-Diphenylhydrazine	ND	mg/kg	15		EPA-8270C	ND	A10	1
Endosulfan I	ND	mg/kg	30		EPA-8270C	ND	A10	1
Endosulfan II	ND	mg/kg	30		EPA-8270C	ND	A10	1
Endosulfan sulfate	ND	mg/kg	15		EPA-8270C	ND	A10	1
Endrin	ND	mg/kg	30		EPA-8270C	ND	A10	1
Endrin aldehyde	ND	mg/kg	75		EPA-8270C	ND	A10	1
Fluoranthene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Fluorene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Heptachlor	ND	mg/kg	15		EPA-8270C	ND	A10	1
Heptachlor epoxide	ND	mg/kg	15		EPA-8270C	ND	A10	1
Hexachlorobenzene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Hexachlorobutadiene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Hexachlorocyclopentadiene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Hexachloroethane	ND	mg/kg	15		EPA-8270C	ND	A10	1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Isophorone	ND	mg/kg	15		EPA-8270C	ND	A10	1
2-Methylnaphthalene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Naphthalene	ND	mg/kg	15		EPA-8270C	ND	A10	1
2-Naphthylamine	ND	mg/kg	450		EPA-8270C	ND	A10	1
2-Nitroaniline	ND	mg/kg	15		EPA-8270C	ND	A10	1
3-Nitroaniline	ND	mg/kg	30		EPA-8270C	ND	A10	1
4-Nitroaniline	ND	mg/kg	30		EPA-8270C	ND	A10	1
Nitrobenzene	ND	mg/kg	15		EPA-8270C	ND	A10	1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-06	Client Sample Name: 5781, SB-11-S-N-5-20150616, 6/16/2015 9:20:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	15		EPA-8270C	ND	A10	1
N-Nitrosodi-N-propylamine	ND	mg/kg	15		EPA-8270C	ND	A10	1
N-Nitrosodiphenylamine	ND	mg/kg	15		EPA-8270C	ND	A10	1
Phenanthrene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Pyrene	ND	mg/kg	15		EPA-8270C	ND	A10	1
1,2,4-Trichlorobenzene	ND	mg/kg	15		EPA-8270C	ND	A10	1
4-Chloro-3-methylphenol	ND	mg/kg	30		EPA-8270C	ND	A10	1
2-Chlorophenol	ND	mg/kg	15		EPA-8270C	ND	A10	1
2,4-Dichlorophenol	ND	mg/kg	15		EPA-8270C	ND	A10	1
2,4-Dimethylphenol	ND	mg/kg	15		EPA-8270C	ND	A10	1
4,6-Dinitro-2-methylphenol	ND	mg/kg	75		EPA-8270C	ND	A10	1
2,4-Dinitrophenol	ND	mg/kg	75		EPA-8270C	ND	A10	1
2-Methylphenol	ND	mg/kg	15		EPA-8270C	ND	A10	1
3- & 4-Methylphenol	ND	mg/kg	30		EPA-8270C	ND	A10	1
2-Nitrophenol	ND	mg/kg	15		EPA-8270C	ND	A10	1
4-Nitrophenol	ND	mg/kg	30		EPA-8270C	ND	A10	1
Pentachlorophenol	ND	mg/kg	30		EPA-8270C	ND	A10	1
Phenol	ND	mg/kg	15		EPA-8270C	ND	A10	1
2,4,5-Trichlorophenol	ND	mg/kg	30		EPA-8270C	ND	A10	1
2,4,6-Trichlorophenol	ND	mg/kg	30		EPA-8270C	ND	A10	1
2-Fluorophenol (Surrogate)	77.3	%	20 - 130 (LCL - UCL)		EPA-8270C		A10	1
Phenol-d5 (Surrogate)	63.5	%	30 - 130 (LCL - UCL)		EPA-8270C		A10	1
Nitrobenzene-d5 (Surrogate)	62.7	%	30 - 130 (LCL - UCL)		EPA-8270C		A10	1
2-Fluorobiphenyl (Surrogate)	95.1	%	20 - 140 (LCL - UCL)		EPA-8270C		A10	1
2,4,6-Tribromophenol (Surrogate)	62.3	%	20 - 150 (LCL - UCL)		EPA-8270C		A10	1
p-Terphenyl-d14 (Surrogate)	82.4	%	30 - 150 (LCL - UCL)		EPA-8270C		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	06/25/15	06/30/15 20:53	VH1	MS-B2	150	BYF2779

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-06	Client Sample Name: 5781, SB-11-S-N-5-20150616, 6/16/2015 9:20:00AM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	380		EPA-8015B/FFP	ND	A01	1
TPH - Diesel (FFP)	ND	mg/kg	190		EPA-8015B/FFP	ND	A01	1
TPH - Motor Oil	2600	mg/kg	380		EPA-8015B/FFP	ND	A01	1
Tetracosane (Surrogate)	69.3	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/25/15	07/01/15 06:28	MWB	GC-13	93.750	BYF2628

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-07	Client Sample Name: 5781, SB-11-S-N-10-20150616, 6/16/2015 9:30:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,2-Dichloroethene	ND	mg/kg	0.010		EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-07	Client Sample Name: 5781, SB-11-S-N-10-20150616, 6/16/2015 9:30:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,3-Dichloropropene	ND	mg/kg	0.010		EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010		EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010		EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.050		EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Ethanol	ND	mg/kg	1.0		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-07	Client Sample Name: 5781, SB-11-S-N-10-20150616, 6/16/2015 9:30:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	100	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	94.1	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.3	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/24/15	06/24/15 18:18	ADC	MS-V2	1	BYF2327

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-07	Client Sample Name: 5781, SB-11-S-N-10-20150616, 6/16/2015 9:30:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Acenaphthylene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Aldrin	ND	mg/kg	15		EPA-8270C	ND	A10	1
Aniline	ND	mg/kg	31		EPA-8270C	ND	A10	1
Anthracene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Benzidine	ND	mg/kg	460		EPA-8270C	ND	A10	1
Benzo[a]anthracene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Benzo[b]fluoranthene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Benzo[k]fluoranthene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Benzo[a]pyrene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Benzo[g,h,i]perylene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Benzoic acid	ND	mg/kg	77		EPA-8270C	ND	A10	1
Benzyl alcohol	ND	mg/kg	15		EPA-8270C	ND	A10	1
Benzyl butyl phthalate	ND	mg/kg	15		EPA-8270C	ND	A10	1
alpha-BHC	ND	mg/kg	15		EPA-8270C	ND	A10	1
beta-BHC	ND	mg/kg	15		EPA-8270C	ND	A10	1
delta-BHC	ND	mg/kg	15		EPA-8270C	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	15		EPA-8270C	ND	A10	1
bis(2-Chloroethoxy)methane	ND	mg/kg	15		EPA-8270C	ND	A10	1
bis(2-Chloroethyl) ether	ND	mg/kg	15		EPA-8270C	ND	A10	1
bis(2-Chloroisopropyl) ether	ND	mg/kg	15		EPA-8270C	ND	A10	1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	31		EPA-8270C	ND	A10	1
4-Bromophenyl phenyl ether	ND	mg/kg	15		EPA-8270C	ND	A10	1
4-Chloroaniline	ND	mg/kg	15		EPA-8270C	ND	A10	1
2-Chloronaphthalene	ND	mg/kg	15		EPA-8270C	ND	A10	1
4-Chlorophenyl phenyl ether	ND	mg/kg	15		EPA-8270C	ND	A10	1
Chrysene	ND	mg/kg	15		EPA-8270C	ND	A10	1
4,4'-DDD	ND	mg/kg	15		EPA-8270C	ND	A10	1
4,4'-DDE	ND	mg/kg	15		EPA-8270C	ND	A10	1
4,4'-DDT	ND	mg/kg	15		EPA-8270C	ND	A10	1
Dibenzo[a,h]anthracene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Dibenzofuran	ND	mg/kg	15		EPA-8270C	ND	A10	1
1,2-Dichlorobenzene	ND	mg/kg	15		EPA-8270C	ND	A10	1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-07	Client Sample Name: 5781, SB-11-S-N-10-20150616, 6/16/2015 9:30:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	15		EPA-8270C	ND	A10	1
1,4-Dichlorobenzene	ND	mg/kg	15		EPA-8270C	ND	A10	1
3,3-Dichlorobenzidine	ND	mg/kg	31		EPA-8270C	ND	A10	1
Dieldrin	ND	mg/kg	15		EPA-8270C	ND	A10	1
Diethyl phthalate	ND	mg/kg	15		EPA-8270C	ND	A10	1
Dimethyl phthalate	ND	mg/kg	15		EPA-8270C	ND	A10	1
Di-n-butyl phthalate	ND	mg/kg	15		EPA-8270C	ND	A10	1
2,4-Dinitrotoluene	ND	mg/kg	15		EPA-8270C	ND	A10	1
2,6-Dinitrotoluene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Di-n-octyl phthalate	ND	mg/kg	15		EPA-8270C	ND	A10	1
1,2-Diphenylhydrazine	ND	mg/kg	15		EPA-8270C	ND	A10	1
Endosulfan I	ND	mg/kg	31		EPA-8270C	ND	A10	1
Endosulfan II	ND	mg/kg	31		EPA-8270C	ND	A10	1
Endosulfan sulfate	ND	mg/kg	15		EPA-8270C	ND	A10	1
Endrin	ND	mg/kg	31		EPA-8270C	ND	A10	1
Endrin aldehyde	ND	mg/kg	77		EPA-8270C	ND	A10	1
Fluoranthene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Fluorene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Heptachlor	ND	mg/kg	15		EPA-8270C	ND	A10	1
Heptachlor epoxide	ND	mg/kg	15		EPA-8270C	ND	A10	1
Hexachlorobenzene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Hexachlorobutadiene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Hexachlorocyclopentadiene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Hexachloroethane	ND	mg/kg	15		EPA-8270C	ND	A10	1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Isophorone	ND	mg/kg	15		EPA-8270C	ND	A10	1
2-Methylnaphthalene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Naphthalene	ND	mg/kg	15		EPA-8270C	ND	A10	1
2-Naphthylamine	ND	mg/kg	460		EPA-8270C	ND	A10	1
2-Nitroaniline	ND	mg/kg	15		EPA-8270C	ND	A10	1
3-Nitroaniline	ND	mg/kg	31		EPA-8270C	ND	A10	1
4-Nitroaniline	ND	mg/kg	31		EPA-8270C	ND	A10	1
Nitrobenzene	ND	mg/kg	15		EPA-8270C	ND	A10	1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-07	Client Sample Name: 5781, SB-11-S-N-10-20150616, 6/16/2015 9:30:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	15		EPA-8270C	ND	A10	1
N-Nitrosodi-N-propylamine	ND	mg/kg	15		EPA-8270C	ND	A10	1
N-Nitrosodiphenylamine	ND	mg/kg	15		EPA-8270C	ND	A10	1
Phenanthrene	ND	mg/kg	15		EPA-8270C	ND	A10	1
Pyrene	ND	mg/kg	15		EPA-8270C	ND	A10	1
1,2,4-Trichlorobenzene	ND	mg/kg	15		EPA-8270C	ND	A10	1
4-Chloro-3-methylphenol	ND	mg/kg	31		EPA-8270C	ND	A10	1
2-Chlorophenol	ND	mg/kg	15		EPA-8270C	ND	A10	1
2,4-Dichlorophenol	ND	mg/kg	15		EPA-8270C	ND	A10	1
2,4-Dimethylphenol	ND	mg/kg	15		EPA-8270C	ND	A10	1
4,6-Dinitro-2-methylphenol	ND	mg/kg	77		EPA-8270C	ND	A10	1
2,4-Dinitrophenol	ND	mg/kg	77		EPA-8270C	ND	A10	1
2-Methylphenol	ND	mg/kg	15		EPA-8270C	ND	A10	1
3- & 4-Methylphenol	ND	mg/kg	31		EPA-8270C	ND	A10	1
2-Nitrophenol	ND	mg/kg	15		EPA-8270C	ND	A10	1
4-Nitrophenol	ND	mg/kg	31		EPA-8270C	ND	A10	1
Pentachlorophenol	ND	mg/kg	31		EPA-8270C	ND	A10	1
Phenol	ND	mg/kg	15		EPA-8270C	ND	A10	1
2,4,5-Trichlorophenol	ND	mg/kg	31		EPA-8270C	ND	A10	1
2,4,6-Trichlorophenol	ND	mg/kg	31		EPA-8270C	ND	A10	1
2-Fluorophenol (Surrogate)	71.4	%	20 - 130 (LCL - UCL)		EPA-8270C		A10	1
Phenol-d5 (Surrogate)	59.8	%	30 - 130 (LCL - UCL)		EPA-8270C		A10	1
Nitrobenzene-d5 (Surrogate)	57.8	%	30 - 130 (LCL - UCL)		EPA-8270C		A10	1
2-Fluorobiphenyl (Surrogate)	80.3	%	20 - 140 (LCL - UCL)		EPA-8270C		A10	1
2,4,6-Tribromophenol (Surrogate)	61.5	%	20 - 150 (LCL - UCL)		EPA-8270C		A10	1
p-Terphenyl-d14 (Surrogate)	77.6	%	30 - 150 (LCL - UCL)		EPA-8270C		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	06/25/15	06/30/15 21:21	VH1	MS-B2	153.16	BYF2779

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-07	Client Sample Name: 5781, SB-11-S-N-10-20150616, 6/16/2015 9:30:00AM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	740		EPA-8015B/FFP	ND	A01	1
TPH - Diesel (FFP)	370	mg/kg	370		EPA-8015B/FFP	ND	A01	1
TPH - Motor Oil	6100	mg/kg	740		EPA-8015B/FFP	ND	A01	1
Tetracosane (Surrogate)	104	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/25/15	07/01/15 06:50	MWB	GC-13	185.62	BYF2628

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-08	Client Sample Name: 5781, SB-11-S-N-15-20150616, 6/16/2015 9:35:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,2-Dichloroethene	ND	mg/kg	0.010		EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-08	Client Sample Name: 5781, SB-11-S-N-15-20150616, 6/16/2015 9:35:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,3-Dichloropropene	ND	mg/kg	0.010		EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010		EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010		EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.050		EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Ethanol	ND	mg/kg	1.0		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-08	Client Sample Name: 5781, SB-11-S-N-15-20150616, 6/16/2015 9:35:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	105	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	105	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	104	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/24/15	06/24/15 18:41	ADC	MS-V2	1	BYF2327

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-08	Client Sample Name: 5781, SB-11-S-N-15-20150616, 6/16/2015 9:35:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0		EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50		EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-08	Client Sample Name: 5781, SB-11-S-N-15-20150616, 6/16/2015 9:35:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20		EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10		EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10		EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20		EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50		EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10		EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0		EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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2020 L St, Suite 400
Sacramento, CA 95811

Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-08	Client Sample Name: 5781, SB-11-S-N-15-20150616, 6/16/2015 9:35:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	51.6	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	46.0	%	30 - 130 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	39.0	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	51.9	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	43.1	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	52.8	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	06/25/15	06/30/15 21:49	VH1	MS-B2	0.983	BYF2779

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-08		Client Sample Name: 5781, SB-11-S-N-15-20150616, 6/16/2015 9:35:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0		EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	88.3	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/25/15	06/29/15 21:01	MWB	GC-2	1.003	BYF2628

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-09	Client Sample Name: 5781, SB-11-W-N-20150616, 6/16/2015 12:20:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50		EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50		EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50		EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50		EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50		EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0		EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50		EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50		EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50		EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50		EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50		EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50		EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50		EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50		EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50		EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0		EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50		EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50		EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50		EPA-8260B	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,1-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50		EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	ug/L	0.50		EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50		EPA-8260B	ND		1
Total 1,2-Dichloroethene	ND	ug/L	1.0		EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	0.50		EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	0.50		EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-09	Client Sample Name: 5781, SB-11-W-N-20150616, 6/16/2015 12:20:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	ug/L	0.50		EPA-8260B	ND		1
cis-1,3-Dichloropropene	ND	ug/L	0.50		EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50		EPA-8260B	ND		1
Total 1,3-Dichloropropene	ND	ug/L	1.0		EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50		EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50		EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50		EPA-8260B	ND		1
p-Isopropyltoluene	ND	ug/L	0.50		EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0		EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Naphthalene	ND	ug/L	0.50		EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50		EPA-8260B	ND		1
Styrene	ND	ug/L	0.50		EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Tetrachloroethene	ND	ug/L	0.50		EPA-8260B	ND		1
Toluene	ND	ug/L	0.50		EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50		EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50		EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Trichloroethene	ND	ug/L	0.50		EPA-8260B	ND		1
Trichlorofluoromethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0		EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50		EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50		EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50		EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0		EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10		EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-09	Client Sample Name: 5781, SB-11-W-N-20150616, 6/16/2015 12:20:00PM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	99.1	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.9	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	93.9	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/25/15	06/26/15 12:19	MGC	MS-V5	1	BYF2338

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-09 **Client Sample Name:** 5781, SB-11-W-N-20150616, 6/16/2015 12:20:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	ug/L	4.9		EPA-8270C	ND		1
Acenaphthylene	ND	ug/L	4.9		EPA-8270C	ND		1
Aldrin	ND	ug/L	4.9		EPA-8270C	ND		1
Aniline	ND	ug/L	12		EPA-8270C	ND		1
Anthracene	ND	ug/L	4.9		EPA-8270C	ND		1
Benzidine	ND	ug/L	49		EPA-8270C	ND		1
Benzo[a]anthracene	ND	ug/L	4.9		EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	ug/L	4.9		EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	ug/L	4.9		EPA-8270C	ND		1
Benzo[a]pyrene	ND	ug/L	4.9		EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	ug/L	4.9		EPA-8270C	ND		1
Benzoic acid	ND	ug/L	25		EPA-8270C	ND		1
Benzyl alcohol	ND	ug/L	4.9		EPA-8270C	ND		1
Benzyl butyl phthalate	ND	ug/L	4.9		EPA-8270C	ND		1
alpha-BHC	ND	ug/L	4.9		EPA-8270C	ND		1
beta-BHC	ND	ug/L	4.9		EPA-8270C	ND		1
delta-BHC	ND	ug/L	4.9		EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	ug/L	4.9		EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	ug/L	4.9		EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	ug/L	4.9		EPA-8270C	ND		1
bis(2-Chloroisopropyl) ether	ND	ug/L	4.9		EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	ug/L	12		EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	ug/L	4.9		EPA-8270C	ND		1
4-Chloroaniline	ND	ug/L	4.9		EPA-8270C	ND		1
2-Chloronaphthalene	ND	ug/L	4.9		EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	ug/L	4.9		EPA-8270C	ND		1
Chrysene	ND	ug/L	4.9		EPA-8270C	ND		1
4,4'-DDD	ND	ug/L	4.9		EPA-8270C	ND		1
4,4'-DDE	ND	ug/L	7.4		EPA-8270C	ND		1
4,4'-DDT	ND	ug/L	4.9		EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	ug/L	7.4		EPA-8270C	ND		1
Dibenzofuran	ND	ug/L	4.9		EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	ug/L	4.9		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-09 **Client Sample Name:** 5781, SB-11-W-N-20150616, 6/16/2015 12:20:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	ug/L	4.9		EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	ug/L	4.9		EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	ug/L	25		EPA-8270C	ND		1
Dieldrin	ND	ug/L	7.4		EPA-8270C	ND		1
Diethyl phthalate	ND	ug/L	4.9		EPA-8270C	ND		1
Dimethyl phthalate	ND	ug/L	4.9		EPA-8270C	ND		1
Di-n-butyl phthalate	ND	ug/L	4.9		EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	ug/L	4.9		EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	ug/L	4.9		EPA-8270C	ND		1
Di-n-octyl phthalate	ND	ug/L	4.9		EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	ug/L	4.9		EPA-8270C	ND		1
Endosulfan I	ND	ug/L	25		EPA-8270C	ND		1
Endosulfan II	ND	ug/L	25		EPA-8270C	ND		1
Endosulfan sulfate	ND	ug/L	7.4		EPA-8270C	ND		1
Endrin	ND	ug/L	4.9		EPA-8270C	ND		1
Endrin aldehyde	ND	ug/L	25		EPA-8270C	ND		1
Fluoranthene	ND	ug/L	4.9		EPA-8270C	ND		1
Fluorene	ND	ug/L	4.9		EPA-8270C	ND		1
Heptachlor	ND	ug/L	4.9		EPA-8270C	ND		1
Heptachlor epoxide	ND	ug/L	4.9		EPA-8270C	ND		1
Hexachlorobenzene	ND	ug/L	4.9		EPA-8270C	ND		1
Hexachlorobutadiene	ND	ug/L	4.9		EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	ug/L	4.9		EPA-8270C	ND		1
Hexachloroethane	ND	ug/L	4.9		EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	ug/L	4.9		EPA-8270C	ND		1
Isophorone	ND	ug/L	4.9		EPA-8270C	ND		1
2-Methylnaphthalene	ND	ug/L	4.9		EPA-8270C	ND		1
Naphthalene	ND	ug/L	4.9		EPA-8270C	ND		1
2-Naphthylamine	ND	ug/L	49		EPA-8270C	ND		1
2-Nitroaniline	ND	ug/L	4.9		EPA-8270C	ND		1
3-Nitroaniline	ND	ug/L	4.9		EPA-8270C	ND		1
4-Nitroaniline	ND	ug/L	12		EPA-8270C	ND		1
Nitrobenzene	ND	ug/L	4.9		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-09 Client Sample Name: 5781, SB-11-W-N-20150616, 6/16/2015 12:20:00PM

Table with 9 columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various chemical compounds and their test results.

Table with 9 columns: Run #, Method, Prep Date, Run Date/Time, Analyst, Instrument, Dilution, QC Batch ID. Provides details for the first run.

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2020 L St, Suite 400
Sacramento, CA 95811

Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-09	Client Sample Name: 5781, SB-11-W-N-20150616, 6/16/2015 12:20:00PM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	ug/L	250		EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	330	ug/L	98		EPA-8015B/FFP	ND	A52	1
TPH - Motor Oil	500	ug/L	250		EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	88.5	%	37 - 134 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/23/15	06/24/15 19:16	MWB	GC-2	2.456	BYF2278

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-10	Client Sample Name: 5781, SB-12-S-N-2-20150616, 6/16/2015 10:12:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,2-Dichloroethene	ND	mg/kg	0.010		EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-10	Client Sample Name: 5781, SB-12-S-N-2-20150616, 6/16/2015 10:12:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,3-Dichloropropene	ND	mg/kg	0.010		EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010		EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010		EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.050		EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Ethanol	ND	mg/kg	1.0		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-10	Client Sample Name: 5781, SB-12-S-N-2-20150616, 6/16/2015 10:12:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	117	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	104	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/24/15	06/24/15 19:04	ADC	MS-V2	1	BYF2327

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-10	Client Sample Name: 5781, SB-12-S-N-2-20150616, 6/16/2015 10:12:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0		EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50		EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-10	Client Sample Name: 5781, SB-12-S-N-2-20150616, 6/16/2015 10:12:00AM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20		EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10		EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10		EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20		EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50		EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10		EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0		EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Table with 2 columns: BCL Sample ID (1515127-10) and Client Sample Name (5781, SB-12-S-N-2-20150616, 6/16/2015 10:12:00AM)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various chemical compounds and their detection results.

Summary table with columns: Run #, Method, Prep Date, Run Date/Time, Analyst, Instrument, Dilution, QC Batch ID. Shows details for Run #1.

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2020 L St, Suite 400
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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-10	Client Sample Name: 5781, SB-12-S-N-2-20150616, 6/16/2015 10:12:00AM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0		EPA-8015B/FFP	ND		1
TPH - Motor Oil	6.1	mg/kg	4.0		EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	91.1	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/25/15	06/29/15 21:23	MWB	GC-2	0.973	BYF2628

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-11	Client Sample Name: 5781, SB-12-S-N-5-20150616, 6/16/2015 10:20:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,2-Dichloroethene	ND	mg/kg	0.010		EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1

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Sacramento, CA 95811

Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-11	Client Sample Name: 5781, SB-12-S-N-5-20150616, 6/16/2015 10:20:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,3-Dichloropropene	ND	mg/kg	0.010		EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010		EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010		EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.050		EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Ethanol	ND	mg/kg	1.0		EPA-8260B	ND		1

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2020 L St, Suite 400
Sacramento, CA 95811

Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-11	Client Sample Name: 5781, SB-12-S-N-5-20150616, 6/16/2015 10:20:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	98.5	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.5	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	105	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/24/15	06/24/15 19:26	ADC	MS-V2	1	BYF2327

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-11	Client Sample Name: 5781, SB-12-S-N-5-20150616, 6/16/2015 10:20:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0		EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50		EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-11	Client Sample Name: 5781, SB-12-S-N-5-20150616, 6/16/2015 10:20:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20		EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10		EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10		EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20		EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50		EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10		EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0		EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-11	Client Sample Name: 5781, SB-12-S-N-5-20150616, 6/16/2015 10:20:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	61.7	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	55.6	%	30 - 130 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	49.4	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	54.8	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	51.1	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	61.9	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	06/25/15	06/30/15 22:44	VH1	MS-B2	1.007	BYF2779

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-11	Client Sample Name: 5781, SB-12-S-N-5-20150616, 6/16/2015 10:20:00AM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	8.0		EPA-8015B/FFP	ND	A01	1
TPH - Diesel (FFP)	ND	mg/kg	4.0		EPA-8015B/FFP	ND	A01	1
TPH - Motor Oil	27	mg/kg	8.0		EPA-8015B/FFP	ND	A01	1
Tetracosane (Surrogate)	78.5	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/25/15	07/01/15 07:13	MWB	GC-13	1.941	BYF2628

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-12	Client Sample Name: 5781, SB-12-S-N-10-20150616, 6/16/2015 10:30:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,2-Dichloroethene	ND	mg/kg	0.010		EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-12	Client Sample Name: 5781, SB-12-S-N-10-20150616, 6/16/2015 10:30:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,3-Dichloropropene	ND	mg/kg	0.010		EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010		EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010		EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.050		EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Ethanol	ND	mg/kg	1.0		EPA-8260B	ND		1

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Sacramento, CA 95811

Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-12	Client Sample Name: 5781, SB-12-S-N-10-20150616, 6/16/2015 10:30:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	114	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.7	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/24/15	06/24/15 19:49	ADC	MS-V2	1	BYF2327

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-12	Client Sample Name: 5781, SB-12-S-N-10-20150616, 6/16/2015 10:30:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0		EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50		EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-12	Client Sample Name: 5781, SB-12-S-N-10-20150616, 6/16/2015 10:30:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20		EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10		EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10		EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20		EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50		EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10		EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0		EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-12	Client Sample Name: 5781, SB-12-S-N-10-20150616, 6/16/2015 10:30:00AM
----------------------------------	--

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	53.0	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	48.3	%	30 - 130 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	37.4	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	24.7	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	37.6	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	65.8	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	06/25/15	06/30/15 23:12	VH1	MS-B2	0.993	BYF2779

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-12	Client Sample Name: 5781, SB-12-S-N-10-20150616, 6/16/2015 10:30:00AM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0		EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	93.2	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/25/15	06/29/15 22:53	MWB	GC-2	0.947	BYF2628

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-13	Client Sample Name: 5781, SB-12-S-N-15-20150616, 6/16/2015 10:40:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,2-Dichloroethene	ND	mg/kg	0.010		EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-13	Client Sample Name: 5781, SB-12-S-N-15-20150616, 6/16/2015 10:40:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,3-Dichloropropene	ND	mg/kg	0.010		EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010		EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010		EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.050		EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Ethanol	ND	mg/kg	1.0		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-13	Client Sample Name: 5781, SB-12-S-N-15-20150616, 6/16/2015 10:40:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	144	%	70 - 121 (LCL - UCL)		EPA-8260B		S09	1
Toluene-d8 (Surrogate)	107	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	103	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/24/15	06/24/15 20:12	ADC	MS-V2	1	BYF2327

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-13	Client Sample Name: 5781, SB-12-S-N-15-20150616, 6/16/2015 10:40:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0		EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50		EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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AECOM
2020 L St, Suite 400
Sacramento, CA 95811

Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-13	Client Sample Name: 5781, SB-12-S-N-15-20150616, 6/16/2015 10:40:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20		EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10		EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10		EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20		EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50		EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10		EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0		EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-13	Client Sample Name: 5781, SB-12-S-N-15-20150616, 6/16/2015 10:40:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	36.0	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	36.3	%	30 - 130 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	24.1	%	30 - 130 (LCL - UCL)		EPA-8270C		S09	1
2-Fluorobiphenyl (Surrogate)	15.8	%	20 - 140 (LCL - UCL)		EPA-8270C		S09	1
2,4,6-Tribromophenol (Surrogate)	43.5	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	74.3	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	06/25/15	06/30/15 23:39	VH1	MS-B2	1.017	BYF2779

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-13	Client Sample Name: 5781, SB-12-S-N-15-20150616, 6/16/2015 10:40:00AM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0		EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	87.1	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/25/15	06/29/15 23:16	MWB	GC-2	0.997	BYF2628

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-14	Client Sample Name: 5781, SB-13-S-N-2-20150617, 6/17/2015 7:50:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,2-Dichloroethene	ND	mg/kg	0.010		EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1

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Sacramento, CA 95811

Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

Table with 2 columns: BCL Sample ID (1515127-14) and Client Sample Name (5781, SB-13-S-N-2-20150617, 6/17/2015 7:50:00AM)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various chemical compounds and their detection results.

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2020 L St, Suite 400
Sacramento, CA 95811

Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-14	Client Sample Name: 5781, SB-13-S-N-2-20150617, 6/17/2015 7:50:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	120	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	102	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/24/15	06/25/15 01:29	ADC	MS-V2	1	BYF2327

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-14	Client Sample Name: 5781, SB-13-S-N-2-20150617, 6/17/2015 7:50:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benidine	ND	mg/kg	3.0		EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50		EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-14	Client Sample Name: 5781, SB-13-S-N-2-20150617, 6/17/2015 7:50:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20		EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10		EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10		EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20		EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50		EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10		EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0		EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-14 **Client Sample Name:** 5781, SB-13-S-N-2-20150617, 6/17/2015 7:50:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	58.5	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	52.8	%	30 - 130 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	50.8	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	56.0	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	45.5	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	69.3	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	06/25/15	07/01/15 00:07	VH1	MS-B2	0.997	BYF2779

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-14	Client Sample Name: 5781, SB-13-S-N-2-20150617, 6/17/2015 7:50:00AM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0		EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	94.0	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/25/15	06/29/15 23:38	MWB	GC-2	0.997	BYF2628

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-15	Client Sample Name: 5781, SB-13-S-Y-2-20150617, 6/17/2015 7:55:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,2-Dichloroethene	ND	mg/kg	0.010		EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-15	Client Sample Name: 5781, SB-13-S-Y-2-20150617, 6/17/2015 7:55:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,3-Dichloropropene	ND	mg/kg	0.010		EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010		EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010		EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.050		EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Ethanol	ND	mg/kg	1.0		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-15	Client Sample Name: 5781, SB-13-S-Y-2-20150617, 6/17/2015 7:55:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	103	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	106	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.8	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/24/15	06/25/15 01:51	ADC	MS-V2	1	BYF2327

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-15	Client Sample Name: 5781, SB-13-S-Y-2-20150617, 6/17/2015 7:55:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0		EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50		EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-15	Client Sample Name: 5781, SB-13-S-Y-2-20150617, 6/17/2015 7:55:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20		EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10		EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10		EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20		EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50		EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10		EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0		EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-15	Client Sample Name: 5781, SB-13-S-Y-2-20150617, 6/17/2015 7:55:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	64.0	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	58.4	%	30 - 130 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	53.1	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	58.2	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	42.9	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	58.2	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	06/25/15	07/01/15 00:34	VH1	MS-B2	0.966	BYF2779

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-15	Client Sample Name: 5781, SB-13-S-Y-2-20150617, 6/17/2015 7:55:00AM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0		EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	96.0	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/25/15	06/30/15 00:01	MWB	GC-2	0.983	BYF2628

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-16	Client Sample Name: 5781, SB-13-S-N-10-20150617, 6/17/2015 8:15:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,2-Dichloroethene	ND	mg/kg	0.010		EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-16	Client Sample Name: 5781, SB-13-S-N-10-20150617, 6/17/2015 8:15:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,3-Dichloropropene	ND	mg/kg	0.010		EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010		EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010		EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.050		EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Ethanol	ND	mg/kg	1.0		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-16	Client Sample Name: 5781, SB-13-S-N-10-20150617, 6/17/2015 8:15:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	115	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	104	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	103	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/24/15	06/25/15 02:14	ADC	MS-V2	1	BYF2327

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-16	Client Sample Name: 5781, SB-13-S-N-10-20150617, 6/17/2015 8:15:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0		EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50		EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-16	Client Sample Name: 5781, SB-13-S-N-10-20150617, 6/17/2015 8:15:00AM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20		EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10		EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10		EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20		EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50		EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10		EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0		EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-16	Client Sample Name: 5781, SB-13-S-N-10-20150617, 6/17/2015 8:15:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	30.9	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	28.9	%	30 - 130 (LCL - UCL)		EPA-8270C		S09	1
Nitrobenzene-d5 (Surrogate)	24.8	%	30 - 130 (LCL - UCL)		EPA-8270C		S09	1
2-Fluorobiphenyl (Surrogate)	20.3	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	29.0	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	39.0	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	06/25/15	07/01/15 01:01	VH1	MS-B2	0.950	BYF2779

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-16	Client Sample Name: 5781, SB-13-S-N-10-20150617, 6/17/2015 8:15:00AM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0		EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	88.5	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/25/15	06/30/15 00:23	MWB	GC-2	1.017	BYF2628

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Sacramento, CA 95811

Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-17	Client Sample Name: 5781, SB-13-S-N-12-20150617, 6/17/2015 8:20:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,2-Dichloroethene	ND	mg/kg	0.010		EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-17	Client Sample Name: 5781, SB-13-S-N-12-20150617, 6/17/2015 8:20:00AM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,3-Dichloropropene	ND	mg/kg	0.010		EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010		EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010		EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.050		EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Ethanol	ND	mg/kg	1.0		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-17	Client Sample Name: 5781, SB-13-S-N-12-20150617, 6/17/2015 8:20:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	110	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.1	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/24/15	06/26/15 15:24	ADC	MS-V2	1	BYF2327

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-17	Client Sample Name: 5781, SB-13-S-N-12-20150617, 6/17/2015 8:20:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0		EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50		EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-17	Client Sample Name: 5781, SB-13-S-N-12-20150617, 6/17/2015 8:20:00AM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20		EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10		EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10		EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20		EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50		EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10		EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0		EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-17	Client Sample Name: 5781, SB-13-S-N-12-20150617, 6/17/2015 8:20:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	76.2	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	65.6	%	30 - 130 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	60.6	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	90.9	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	68.6	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	65.3	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	06/25/15	07/01/15 01:28	VH1	MS-B2	1.007	BYF2779

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-17	Client Sample Name: 5781, SB-13-S-N-12-20150617, 6/17/2015 8:20:00AM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0		EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	99.0	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/25/15	06/30/15 00:46	MWB	GC-2	1.007	BYF2628

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

Table with 2 columns: BCL Sample ID (1515127-18) and Client Sample Name (5781, SB-13-S-N-17-20150617, 6/17/2015 8:30:00AM)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various VOCs like Benzene, Bromobenzene, etc.

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-18	Client Sample Name: 5781, SB-13-S-N-17-20150617, 6/17/2015 8:30:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,3-Dichloropropene	ND	mg/kg	0.010		EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Isopropylbenzene	0.024	mg/kg	0.0050		EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010		EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Naphthalene	0.018	mg/kg	0.0050		EPA-8260B	ND		1
n-Propylbenzene	0.16	mg/kg	0.0050		EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010		EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.050		EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Ethanol	ND	mg/kg	1.0		EPA-8260B	ND		1

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2020 L St, Suite 400
Sacramento, CA 95811

Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-18	Client Sample Name: 5781, SB-13-S-N-17-20150617, 6/17/2015 8:30:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	8.5	mg/kg	1.0		Luft-GC/MS	ND	A01	2
1,2-Dichloroethane-d4 (Surrogate)	102	%	70 - 121 (LCL - UCL)		EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	111	%	70 - 121 (LCL - UCL)		EPA-8260B			2
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.9	%	81 - 117 (LCL - UCL)		EPA-8260B			2
4-Bromofluorobenzene (Surrogate)	118	%	74 - 121 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.4	%	74 - 121 (LCL - UCL)		EPA-8260B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/24/15	06/25/15 16:59	ADC	MS-V2	1	BYF2327
2	EPA-8260B	06/24/15	06/26/15 16:31	ADC	MS-V2	5	BYF2327

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-18	Client Sample Name: 5781, SB-13-S-N-17-20150617, 6/17/2015 8:30:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0		EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50		EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-18	Client Sample Name: 5781, SB-13-S-N-17-20150617, 6/17/2015 8:30:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20		EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10		EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10		EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20		EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50		EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10		EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0		EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-18	Client Sample Name: 5781, SB-13-S-N-17-20150617, 6/17/2015 8:30:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	51.8	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	46.4	%	30 - 130 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	26.2	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	25.0	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	45.4	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	62.7	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	06/25/15	07/01/15 01:55	VH1	MS-B2	0.997	BYF2779

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-18		Client Sample Name: 5781, SB-13-S-N-17-20150617, 6/17/2015 8:30:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0		EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	104	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/25/15	06/30/15 01:08	MWB	GC-2	0.974	BYF2628

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-19	Client Sample Name: 5781, SB-13-S-N-19-20150617, 6/17/2015 8:35:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,2-Dichloroethene	ND	mg/kg	0.010		EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-19	Client Sample Name: 5781, SB-13-S-N-19-20150617, 6/17/2015 8:35:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,3-Dichloropropene	ND	mg/kg	0.010		EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010		EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010		EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.050		EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Ethanol	ND	mg/kg	1.0		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-19	Client Sample Name: 5781, SB-13-S-N-19-20150617, 6/17/2015 8:35:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	117	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	105	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/24/15	06/25/15 03:22	ADC	MS-V2	1	BYF2327

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-19	Client Sample Name: 5781, SB-13-S-N-19-20150617, 6/17/2015 8:35:00AM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0		EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50		EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-19	Client Sample Name: 5781, SB-13-S-N-19-20150617, 6/17/2015 8:35:00AM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20		EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10		EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10		EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20		EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50		EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10		EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0		EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-19	Client Sample Name: 5781, SB-13-S-N-19-20150617, 6/17/2015 8:35:00AM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	38.7	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	35.0	%	30 - 130 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	27.7	%	30 - 130 (LCL - UCL)		EPA-8270C		S09	1
2-Fluorobiphenyl (Surrogate)	18.7	%	20 - 140 (LCL - UCL)		EPA-8270C		S09	1
2,4,6-Tribromophenol (Surrogate)	37.7	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	56.6	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	06/25/15	07/01/15 02:21	VH1	MS-B2	0.980	BYF2779

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-19		Client Sample Name: 5781, SB-13-S-N-19-20150617, 6/17/2015 8:35:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0		EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	93.1	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/25/15	06/30/15 01:31	MWB	GC-2	0.966	BYF2628

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-20	Client Sample Name: 5781, SB-13-W-N-20150617, 6/17/2015 9:50:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	2.5		EPA-8260B	ND	A01	1
Bromobenzene	ND	ug/L	2.5		EPA-8260B	ND	A01	1
Bromochloromethane	ND	ug/L	2.5		EPA-8260B	ND	A01	1
Bromodichloromethane	ND	ug/L	2.5		EPA-8260B	ND	A01	1
Bromoform	ND	ug/L	2.5		EPA-8260B	ND	A01	1
Bromomethane	ND	ug/L	5.0		EPA-8260B	ND	A01	1
n-Butylbenzene	230	ug/L	2.5		EPA-8260B	ND	A01	1
sec-Butylbenzene	250	ug/L	2.5		EPA-8260B	ND	A01	1
tert-Butylbenzene	ND	ug/L	2.5		EPA-8260B	ND	A01	1
Carbon tetrachloride	ND	ug/L	2.5		EPA-8260B	ND	A01	1
Chlorobenzene	ND	ug/L	2.5		EPA-8260B	ND	A01	1
Chloroethane	ND	ug/L	2.5		EPA-8260B	ND	A01	1
Chloroform	ND	ug/L	2.5		EPA-8260B	ND	A01	1
Chloromethane	ND	ug/L	2.5		EPA-8260B	ND	A01	1
2-Chlorotoluene	ND	ug/L	2.5		EPA-8260B	ND	A01	1
4-Chlorotoluene	ND	ug/L	2.5		EPA-8260B	ND	A01	1
Dibromochloromethane	ND	ug/L	2.5		EPA-8260B	ND	A01	1
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0		EPA-8260B	ND	A01	1
1,2-Dibromoethane	ND	ug/L	2.5		EPA-8260B	ND	A01	1
Dibromomethane	ND	ug/L	2.5		EPA-8260B	ND	A01	1
1,2-Dichlorobenzene	ND	ug/L	2.5		EPA-8260B	ND	A01	1
1,3-Dichlorobenzene	ND	ug/L	2.5		EPA-8260B	ND	A01	1
1,4-Dichlorobenzene	ND	ug/L	2.5		EPA-8260B	ND	A01	1
Dichlorodifluoromethane	ND	ug/L	2.5		EPA-8260B	ND	A01	1
1,1-Dichloroethane	ND	ug/L	2.5		EPA-8260B	ND	A01	1
1,2-Dichloroethane	ND	ug/L	2.5		EPA-8260B	ND	A01	1
1,1-Dichloroethene	ND	ug/L	2.5		EPA-8260B	ND	A01	1
cis-1,2-Dichloroethene	ND	ug/L	2.5		EPA-8260B	ND	A01	1
trans-1,2-Dichloroethene	ND	ug/L	2.5		EPA-8260B	ND	A01	1
Total 1,2-Dichloroethene	ND	ug/L	5.0		EPA-8260B	ND	A01	1
1,2-Dichloropropane	ND	ug/L	2.5		EPA-8260B	ND	A01	1
1,3-Dichloropropane	ND	ug/L	2.5		EPA-8260B	ND	A01	1
2,2-Dichloropropane	ND	ug/L	2.5		EPA-8260B	ND	A01	1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-20	Client Sample Name: 5781, SB-13-W-N-20150617, 6/17/2015 9:50:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	ug/L	2.5		EPA-8260B	ND	A01	1
cis-1,3-Dichloropropene	ND	ug/L	2.5		EPA-8260B	ND	A01	1
trans-1,3-Dichloropropene	ND	ug/L	2.5		EPA-8260B	ND	A01	1
Total 1,3-Dichloropropene	ND	ug/L	5.0		EPA-8260B	ND	A01	1
Ethylbenzene	5.6	ug/L	2.5		EPA-8260B	ND	A01	1
Hexachlorobutadiene	ND	ug/L	2.5		EPA-8260B	ND	A01	1
Isopropylbenzene	120	ug/L	2.5		EPA-8260B	ND	A01	1
p-Isopropyltoluene	ND	ug/L	2.5		EPA-8260B	ND	A01	1
Methylene chloride	ND	ug/L	5.0		EPA-8260B	ND	A01	1
Methyl t-butyl ether	ND	ug/L	2.5		EPA-8260B	ND	A01	1
Naphthalene	31	ug/L	2.5		EPA-8260B	ND	A01	1
n-Propylbenzene	450	ug/L	2.5		EPA-8260B	ND	A01	1
Styrene	ND	ug/L	2.5		EPA-8260B	ND	A01	1
1,1,1,2-Tetrachloroethane	ND	ug/L	2.5		EPA-8260B	ND	A01	1
1,1,1,2,2-Tetrachloroethane	ND	ug/L	2.5		EPA-8260B	ND	A01	1
Tetrachloroethene	ND	ug/L	2.5		EPA-8260B	ND	A01	1
Toluene	ND	ug/L	2.5		EPA-8260B	ND	A01	1
1,2,3-Trichlorobenzene	ND	ug/L	2.5		EPA-8260B	ND	A01	1
1,2,4-Trichlorobenzene	ND	ug/L	2.5		EPA-8260B	ND	A01	1
1,1,1-Trichloroethane	ND	ug/L	2.5		EPA-8260B	ND	A01	1
1,1,2-Trichloroethane	ND	ug/L	2.5		EPA-8260B	ND	A01	1
Trichloroethene	ND	ug/L	2.5		EPA-8260B	ND	A01	1
Trichlorofluoromethane	ND	ug/L	2.5		EPA-8260B	ND	A01	1
1,2,3-Trichloropropane	ND	ug/L	5.0		EPA-8260B	ND	A01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	2.5		EPA-8260B	ND	A01	1
1,2,4-Trimethylbenzene	ND	ug/L	2.5		EPA-8260B	ND	A01	1
1,3,5-Trimethylbenzene	ND	ug/L	2.5		EPA-8260B	ND	A01	1
Vinyl chloride	ND	ug/L	2.5		EPA-8260B	ND	A01	1
Total Xylenes	ND	ug/L	5.0		EPA-8260B	ND	A01	1
t-Amyl Methyl ether	ND	ug/L	2.5		EPA-8260B	ND	A01	1
t-Butyl alcohol	ND	ug/L	50		EPA-8260B	ND	A01	1
Diisopropyl ether	ND	ug/L	2.5		EPA-8260B	ND	A01	1
Ethanol	ND	ug/L	1200		EPA-8260B	ND	A01	1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-20	Client Sample Name: 5781, SB-13-W-N-20150617, 6/17/2015 9:50:00AM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	ug/L	2.5		EPA-8260B	ND	A01	1
1,2-Dichloroethane-d4 (Surrogate)	104	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.8	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.0	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/25/15	06/26/15 20:39	MGC	MS-V5	5	BYF2338

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-20	Client Sample Name: 5781, SB-13-W-N-20150617, 6/17/2015 9:50:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	11	ug/L	10		EPA-8270C	ND	A10	1
Acenaphthylene	ND	ug/L	10		EPA-8270C	ND	A10	1
Aldrin	ND	ug/L	10		EPA-8270C	ND	A10	1
Aniline	ND	ug/L	25		EPA-8270C	ND	A10	1
Anthracene	ND	ug/L	10		EPA-8270C	ND	A10	1
Benzidine	ND	ug/L	100		EPA-8270C	ND	A10	1
Benzo[a]anthracene	ND	ug/L	10		EPA-8270C	ND	A10	1
Benzo[b]fluoranthene	ND	ug/L	10		EPA-8270C	ND	A10	1
Benzo[k]fluoranthene	ND	ug/L	10		EPA-8270C	ND	A10	1
Benzo[a]pyrene	ND	ug/L	10		EPA-8270C	ND	A10	1
Benzo[g,h,i]perylene	ND	ug/L	10		EPA-8270C	ND	A10	1
Benzoic acid	ND	ug/L	50		EPA-8270C	ND	A10	1
Benzyl alcohol	ND	ug/L	10		EPA-8270C	ND	A10	1
Benzyl butyl phthalate	ND	ug/L	10		EPA-8270C	ND	A10	1
alpha-BHC	ND	ug/L	10		EPA-8270C	ND	A10	1
beta-BHC	ND	ug/L	10		EPA-8270C	ND	A10	1
delta-BHC	ND	ug/L	10		EPA-8270C	ND	A10	1
gamma-BHC (Lindane)	ND	ug/L	10		EPA-8270C	ND	A10	1
bis(2-Chloroethoxy)methane	ND	ug/L	10		EPA-8270C	ND	A10	1
bis(2-Chloroethyl) ether	ND	ug/L	10		EPA-8270C	ND	A10	1
bis(2-Chloroisopropyl) ether	ND	ug/L	10		EPA-8270C	ND	A10	1
bis(2-Ethylhexyl)phthalate	ND	ug/L	25		EPA-8270C	ND	A10	1
4-Bromophenyl phenyl ether	ND	ug/L	10		EPA-8270C	ND	A10	1
4-Chloroaniline	ND	ug/L	10		EPA-8270C	ND	A10	1
2-Chloronaphthalene	ND	ug/L	10		EPA-8270C	ND	A10	1
4-Chlorophenyl phenyl ether	ND	ug/L	10		EPA-8270C	ND	A10	1
Chrysene	ND	ug/L	10		EPA-8270C	ND	A10	1
4,4'-DDD	ND	ug/L	10		EPA-8270C	ND	A10	1
4,4'-DDE	ND	ug/L	15		EPA-8270C	ND	A10	1
4,4'-DDT	ND	ug/L	10		EPA-8270C	ND	A10	1
Dibenzo[a,h]anthracene	ND	ug/L	15		EPA-8270C	ND	A10	1
Dibenzofuran	ND	ug/L	10		EPA-8270C	ND	A10	1
1,2-Dichlorobenzene	ND	ug/L	10		EPA-8270C	ND	A10	1

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2020 L St, Suite 400
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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-20	Client Sample Name: 5781, SB-13-W-N-20150617, 6/17/2015 9:50:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	ug/L	10		EPA-8270C	ND	A10	1
1,4-Dichlorobenzene	ND	ug/L	10		EPA-8270C	ND	A10	1
3,3-Dichlorobenzidine	ND	ug/L	50		EPA-8270C	ND	A10	1
Dieldrin	ND	ug/L	15		EPA-8270C	ND	A10	1
Diethyl phthalate	ND	ug/L	10		EPA-8270C	ND	A10	1
Dimethyl phthalate	ND	ug/L	10		EPA-8270C	ND	A10	1
Di-n-butyl phthalate	ND	ug/L	10		EPA-8270C	ND	A10	1
2,4-Dinitrotoluene	ND	ug/L	10		EPA-8270C	ND	A10	1
2,6-Dinitrotoluene	ND	ug/L	10		EPA-8270C	ND	A10	1
Di-n-octyl phthalate	ND	ug/L	10		EPA-8270C	ND	A10	1
1,2-Diphenylhydrazine	ND	ug/L	10		EPA-8270C	ND	A10	1
Endosulfan I	ND	ug/L	50		EPA-8270C	ND	A10	1
Endosulfan II	ND	ug/L	50		EPA-8270C	ND	A10	1
Endosulfan sulfate	ND	ug/L	15		EPA-8270C	ND	A10	1
Endrin	ND	ug/L	10		EPA-8270C	ND	A10	1
Endrin aldehyde	ND	ug/L	50		EPA-8270C	ND	A10	1
Fluoranthene	ND	ug/L	10		EPA-8270C	ND	A10	1
Fluorene	ND	ug/L	10		EPA-8270C	ND	A10	1
Heptachlor	ND	ug/L	10		EPA-8270C	ND	A10	1
Heptachlor epoxide	ND	ug/L	10		EPA-8270C	ND	A10	1
Hexachlorobenzene	ND	ug/L	10		EPA-8270C	ND	A10	1
Hexachlorobutadiene	ND	ug/L	10		EPA-8270C	ND	A10	1
Hexachlorocyclopentadiene	ND	ug/L	10		EPA-8270C	ND	A10	1
Hexachloroethane	ND	ug/L	10		EPA-8270C	ND	A10	1
Indeno[1,2,3-cd]pyrene	ND	ug/L	10		EPA-8270C	ND	A10	1
Isophorone	ND	ug/L	10		EPA-8270C	ND	A10	1
2-Methylnaphthalene	160	ug/L	10		EPA-8270C	ND	A10	1
Naphthalene	ND	ug/L	10		EPA-8270C	ND	A10	1
2-Naphthylamine	ND	ug/L	100		EPA-8270C	ND	A10	1
2-Nitroaniline	ND	ug/L	10		EPA-8270C	ND	A10	1
3-Nitroaniline	ND	ug/L	10		EPA-8270C	ND	A10	1
4-Nitroaniline	ND	ug/L	25		EPA-8270C	ND	A10	1
Nitrobenzene	ND	ug/L	10		EPA-8270C	ND	A10	1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-20	Client Sample Name: 5781, SB-13-W-N-20150617, 6/17/2015 9:50:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	ug/L	10		EPA-8270C	ND	A10	1
N-Nitrosodi-N-propylamine	ND	ug/L	10		EPA-8270C	ND	A10	1
N-Nitrosodiphenylamine	ND	ug/L	10		EPA-8270C	ND	A10	1
Phenanthrene	15	ug/L	10		EPA-8270C	ND	A10	1
Pyrene	ND	ug/L	10		EPA-8270C	ND	A10	1
1,2,4-Trichlorobenzene	ND	ug/L	10		EPA-8270C	ND	A10	1
4-Chloro-3-methylphenol	ND	ug/L	25		EPA-8270C	ND	A10	1
2-Chlorophenol	ND	ug/L	10		EPA-8270C	ND	A10	1
2,4-Dichlorophenol	ND	ug/L	10		EPA-8270C	ND	A10	1
2,4-Dimethylphenol	ND	ug/L	10		EPA-8270C	ND	A10	1
4,6-Dinitro-2-methylphenol	ND	ug/L	50		EPA-8270C	ND	A10	1
2,4-Dinitrophenol	ND	ug/L	50		EPA-8270C	ND	A10	1
2-Methylphenol	ND	ug/L	10		EPA-8270C	ND	A10	1
3- & 4-Methylphenol	ND	ug/L	10		EPA-8270C	ND	A10	1
2-Nitrophenol	ND	ug/L	10		EPA-8270C	ND	A10	1
4-Nitrophenol	ND	ug/L	10		EPA-8270C	ND	A10	1
Pentachlorophenol	ND	ug/L	50		EPA-8270C	ND	A10	1
Phenol	ND	ug/L	10		EPA-8270C	ND	A10	1
2,4,5-Trichlorophenol	ND	ug/L	25		EPA-8270C	ND	A10	1
2,4,6-Trichlorophenol	ND	ug/L	25		EPA-8270C	ND	A10	1
2-Fluorophenol (Surrogate)	4.6	%	30 - 120 (LCL - UCL)		EPA-8270C		S09	1
Phenol-d5 (Surrogate)	2.0	%	12 - 110 (LCL - UCL)		EPA-8270C		S09	1
Nitrobenzene-d5 (Surrogate)	74.6	%	50 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	102	%	55 - 125 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	32.0	%	40 - 150 (LCL - UCL)		EPA-8270C		S09	1
p-Terphenyl-d14 (Surrogate)	82.0	%	40 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	06/23/15	06/24/15 14:07	VH1	MS-B1	5	BYF2221

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-20	Client Sample Name: 5781, SB-13-W-N-20150617, 6/17/2015 9:50:00AM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	44000	ug/L	5000		EPA-8015B/FFP	ND	A01	1
TPH - Diesel (FFP)	ND	ug/L	2000		EPA-8015B/FFP	ND	A01	1
TPH - Motor Oil	ND	ug/L	5000		EPA-8015B/FFP	ND	A01	1
Tetracosane (Surrogate)	0	%	37 - 134 (LCL - UCL)		EPA-8015B/FFP		A01,A17	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/23/15	06/26/15 09:26	MWB	GC-2	50	BYF2278

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-21	Client Sample Name: 5781, SB-14-S-N-2-20150617, 6/17/2015 8:45:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,2-Dichloroethene	ND	mg/kg	0.010		EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-21	Client Sample Name: 5781, SB-14-S-N-2-20150617, 6/17/2015 8:45:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,3-Dichloropropene	ND	mg/kg	0.010		EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010		EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010		EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.050		EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Ethanol	ND	mg/kg	1.0		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-21	Client Sample Name: 5781, SB-14-S-N-2-20150617, 6/17/2015 8:45:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	103	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	101	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/24/15	06/25/15 03:45	ADC	MS-V2	1	BYF2327

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-21	Client Sample Name: 5781, SB-14-S-N-2-20150617, 6/17/2015 8:45:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0		EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50		EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Sacramento, CA 95811

Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-21	Client Sample Name: 5781, SB-14-S-N-2-20150617, 6/17/2015 8:45:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20		EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10		EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10		EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20		EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50		EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10		EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0		EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-21 Client Sample Name: 5781, SB-14-S-N-2-20150617, 6/17/2015 8:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	60.6	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	49.8	%	30 - 130 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	50.9	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	56.6	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	45.4	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	48.1	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	06/25/15	06/25/15 16:21	VH1	MS-B2	1.007	BYF2416

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-21	Client Sample Name: 5781, SB-14-S-N-2-20150617, 6/17/2015 8:45:00AM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	20		EPA-8015B/FFP	ND	A01	1
TPH - Diesel (FFP)	ND	mg/kg	10		EPA-8015B/FFP	ND	A01	1
TPH - Motor Oil	65	mg/kg	20		EPA-8015B/FFP	ND	A01	1
Tetracosane (Surrogate)	90.8	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/25/15	06/30/15 05:14	MWB	GC-2	4.900	BYF2572

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-22 Client Sample Name: 5781, SB-14-S-N-5-20150617, 6/17/2015 8:50:00AM

Table with 9 columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various chemical compounds and their analysis results.

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-22	Client Sample Name: 5781, SB-14-S-N-5-20150617, 6/17/2015 8:50:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,3-Dichloropropene	ND	mg/kg	0.010		EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010		EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010		EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.050		EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Ethanol	ND	mg/kg	1.0		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-22	Client Sample Name: 5781, SB-14-S-N-5-20150617, 6/17/2015 8:50:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	105	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	112	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	102	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/24/15	06/25/15 04:08	ADC	MS-V2	1	BYF2350

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-22	Client Sample Name: 5781, SB-14-S-N-5-20150617, 6/17/2015 8:50:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0		EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50		EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-22	Client Sample Name: 5781, SB-14-S-N-5-20150617, 6/17/2015 8:50:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20		EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10		EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10		EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20		EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50		EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10		EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0		EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-22	Client Sample Name: 5781, SB-14-S-N-5-20150617, 6/17/2015 8:50:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	63.4	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	51.0	%	30 - 130 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	52.3	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	58.3	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	58.0	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	60.9	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	06/25/15	06/25/15 16:48	VH1	MS-B2	0.983	BYF2416

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Sacramento, CA 95811

Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-22	Client Sample Name: 5781, SB-14-S-N-5-20150617, 6/17/2015 8:50:00AM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0		EPA-8015B/FFP	ND		1
TPH - Motor Oil	14	mg/kg	4.0		EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	68.9	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/25/15	06/29/15 12:44	MWB	GC-2	1.014	BYF2572

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-23	Client Sample Name: 5781, SB-14-S-N-10-20150617, 6/17/2015 9:00:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,2-Dichloroethene	ND	mg/kg	0.010		EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-23	Client Sample Name: 5781, SB-14-S-N-10-20150617, 6/17/2015 9:00:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,3-Dichloropropene	ND	mg/kg	0.010		EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010		EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010		EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.050		EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Ethanol	ND	mg/kg	1.0		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-23	Client Sample Name: 5781, SB-14-S-N-10-20150617, 6/17/2015 9:00:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	109	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.4	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	103	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/24/15	06/25/15 04:31	ADC	MS-V2	1	BYF2350

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-23	Client Sample Name: 5781, SB-14-S-N-10-20150617, 6/17/2015 9:00:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0		EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50		EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-23	Client Sample Name: 5781, SB-14-S-N-10-20150617, 6/17/2015 9:00:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20		EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10		EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10		EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20		EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50		EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10		EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0		EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-23	Client Sample Name: 5781, SB-14-S-N-10-20150617, 6/17/2015 9:00:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	56.9	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	47.5	%	30 - 130 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	47.0	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	44.2	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	42.1	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	40.0	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	06/25/15	06/25/15 17:14	VH1	MS-B2	0.980	BYF2416

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-23	Client Sample Name: 5781, SB-14-S-N-10-20150617, 6/17/2015 9:00:00AM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0		EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	94.8	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/25/15	06/29/15 13:06	MWB	GC-2	0.963	BYF2572

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AECOM
2020 L St, Suite 400
Sacramento, CA 95811

Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-24	Client Sample Name: 5781, SB-14-S-N-14-20150617, 6/17/2015 9:05:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,2-Dichloroethene	ND	mg/kg	0.010		EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

Table with 2 columns: BCL Sample ID (1515127-24) and Client Sample Name (5781, SB-14-S-N-14-20150617, 6/17/2015 9:05:00AM)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various chemical compounds and their analysis results.

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-24	Client Sample Name: 5781, SB-14-S-N-14-20150617, 6/17/2015 9:05:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	106	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	97.4	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/24/15	06/25/15 04:53	ADC	MS-V2	1	BYF2350

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-24	Client Sample Name: 5781, SB-14-S-N-14-20150617, 6/17/2015 9:05:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0		EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50		EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-24	Client Sample Name: 5781, SB-14-S-N-14-20150617, 6/17/2015 9:05:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20		EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10		EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10		EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20		EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50		EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10		EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0		EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-24	Client Sample Name: 5781, SB-14-S-N-14-20150617, 6/17/2015 9:05:00AM
----------------------------------	---

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	64.8	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	54.2	%	30 - 130 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	54.3	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	64.9	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	66.7	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	57.3	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	06/25/15	06/25/15 17:41	VH1	MS-B2	0.983	BYF2416

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-24		Client Sample Name: 5781, SB-14-S-N-14-20150617, 6/17/2015 9:05:00AM						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0		EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	94.2	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/25/15	06/29/15 13:29	MWB	GC-2	0.977	BYF2572

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-25	Client Sample Name: 5781, SB-14-S-N-16-20150617, 6/17/2015 9:20:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,2-Dichloroethene	ND	mg/kg	0.010		EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-25	Client Sample Name: 5781, SB-14-S-N-16-20150617, 6/17/2015 9:20:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,3-Dichloropropene	ND	mg/kg	0.010		EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010		EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010		EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.050		EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Ethanol	ND	mg/kg	1.0		EPA-8260B	ND		1

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Sacramento, CA 95811

Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-25	Client Sample Name: 5781, SB-14-S-N-16-20150617, 6/17/2015 9:20:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	118	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.6	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	104	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/24/15	06/25/15 05:16	ADC	MS-V2	1	BYF2350

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-25	Client Sample Name: 5781, SB-14-S-N-16-20150617, 6/17/2015 9:20:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0		EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50		EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-25	Client Sample Name: 5781, SB-14-S-N-16-20150617, 6/17/2015 9:20:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20		EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10		EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10		EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20		EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50		EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10		EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0		EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-25	Client Sample Name: 5781, SB-14-S-N-16-20150617, 6/17/2015 9:20:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	51.9	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	43.9	%	30 - 130 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	43.2	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	51.9	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	46.6	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	60.7	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	06/25/15	06/25/15 18:08	VH1	MS-B2	0.956	BYF2416

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-25	Client Sample Name: 5781, SB-14-S-N-16-20150617, 6/17/2015 9:20:00AM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	3.6	mg/kg	2.0		EPA-8015B/FFP	ND		1
TPH - Motor Oil	7.4	mg/kg	4.0		EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	104	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/25/15	06/29/15 13:51	MWB	GC-2	0.934	BYF2572

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-26	Client Sample Name: 5781, SB-15-S-N-2-20150616, 6/16/2015 1:10:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,2-Dichloroethene	ND	mg/kg	0.010		EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-26	Client Sample Name: 5781, SB-15-S-N-2-20150616, 6/16/2015 1:10:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,3-Dichloropropene	ND	mg/kg	0.010		EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010		EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010		EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.050		EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Ethanol	ND	mg/kg	1.0		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-26	Client Sample Name: 5781, SB-15-S-N-2-20150616, 6/16/2015 1:10:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	142	%	70 - 121 (LCL - UCL)		EPA-8260B		S09	1
Toluene-d8 (Surrogate)	106	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	103	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/24/15	06/25/15 05:39	ADC	MS-V2	1	BYF2350

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2020 L St, Suite 400
Sacramento, CA 95811

Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-26 Client Sample Name: 5781, SB-15-S-N-2-20150616, 6/16/2015 1:10:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0		EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50		EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-26	Client Sample Name: 5781, SB-15-S-N-2-20150616, 6/16/2015 1:10:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20		EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10		EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10		EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20		EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50		EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10		EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0		EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-26	Client Sample Name: 5781, SB-15-S-N-2-20150616, 6/16/2015 1:10:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	50.4	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	47.7	%	30 - 130 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	48.1	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	58.0	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	44.0	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	45.4	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	06/25/15	06/25/15 18:34	VH1	MS-B2	0.997	BYF2416

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-26	Client Sample Name: 5781, SB-15-S-N-2-20150616, 6/16/2015 1:10:00PM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0		EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	82.1	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/25/15	06/29/15 14:14	MWB	GC-2	1.003	BYF2572

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-27	Client Sample Name: 5781, SB-15-S-N-5-20150616, 6/16/2015 1:15:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,2-Dichloroethene	ND	mg/kg	0.010		EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-27	Client Sample Name: 5781, SB-15-S-N-5-20150616, 6/16/2015 1:15:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,3-Dichloropropene	ND	mg/kg	0.010		EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010		EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010		EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.050		EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Ethanol	ND	mg/kg	1.0		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-27	Client Sample Name: 5781, SB-15-S-N-5-20150616, 6/16/2015 1:15:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	121	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.7	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/24/15	06/25/15 06:02	ADC	MS-V2	1	BYF2032

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-27	Client Sample Name: 5781, SB-15-S-N-5-20150616, 6/16/2015 1:15:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0		EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50		EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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2020 L St, Suite 400
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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-27	Client Sample Name: 5781, SB-15-S-N-5-20150616, 6/16/2015 1:15:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20		EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10		EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10		EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20		EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50		EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10		EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0		EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-27 **Client Sample Name:** 5781, SB-15-S-N-5-20150616, 6/16/2015 1:15:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	57.8	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	54.6	%	30 - 130 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	57.6	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	56.9	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	46.2	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	47.9	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	06/25/15	06/25/15 19:01	VH1	MS-B2	0.980	BYF2416

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-27	Client Sample Name: 5781, SB-15-S-N-5-20150616, 6/16/2015 1:15:00PM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0		EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	77.4	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/25/15	06/30/15 02:16	MWB	GC-2	1.007	BYF2572

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-28	Client Sample Name: 5781, SB-15-S-N-10-20150616, 6/16/2015 1:30:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,2-Dichloroethene	ND	mg/kg	0.010		EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-28	Client Sample Name: 5781, SB-15-S-N-10-20150616, 6/16/2015 1:30:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,3-Dichloropropene	ND	mg/kg	0.010		EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010		EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010		EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.050		EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Ethanol	ND	mg/kg	1.0		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-28	Client Sample Name: 5781, SB-15-S-N-10-20150616, 6/16/2015 1:30:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	151	%	70 - 121 (LCL - UCL)		EPA-8260B		S09	1
Toluene-d8 (Surrogate)	106	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	104	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/24/15	06/25/15 06:24	ADC	MS-V2	1	BYF2032

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-28	Client Sample Name: 5781, SB-15-S-N-10-20150616, 6/16/2015 1:30:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0		EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50		EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-28	Client Sample Name: 5781, SB-15-S-N-10-20150616, 6/16/2015 1:30:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20		EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10		EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10		EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20		EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50		EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10		EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0		EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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2020 L St, Suite 400
Sacramento, CA 95811

Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-28	Client Sample Name: 5781, SB-15-S-N-10-20150616, 6/16/2015 1:30:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	49.7	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	45.8	%	30 - 130 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	49.5	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	58.5	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	39.0	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	50.9	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	06/25/15	06/25/15 19:28	VH1	MS-B2	1.017	BYF2416

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-28	Client Sample Name: 5781, SB-15-S-N-10-20150616, 6/16/2015 1:30:00PM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0		EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	75.9	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/25/15	06/29/15 15:22	MWB	GC-2	1.003	BYF2572

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-29	Client Sample Name: 5781, SB-15-S-N-17.5-20150616, 6/16/2015 1:45:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,2-Dichloroethene	ND	mg/kg	0.010		EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-29	Client Sample Name: 5781, SB-15-S-N-17.5-20150616, 6/16/2015 1:45:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,1-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,3-Dichloropropene	ND	mg/kg	0.010		EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010		EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010		EPA-8260B	ND		1
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
t-Butyl alcohol	ND	mg/kg	0.050		EPA-8260B	ND		1
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Ethanol	ND	mg/kg	1.0		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-29	Client Sample Name: 5781, SB-15-S-N-17.5-20150616, 6/16/2015 1:45:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	128	%	70 - 121 (LCL - UCL)		EPA-8260B		S09	1
Toluene-d8 (Surrogate)	103	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.3	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/24/15	06/25/15 06:47	ADC	MS-V2	1	BYF2032

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-29	Client Sample Name: 5781, SB-15-S-N-17.5-20150616, 6/16/2015 1:45:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0		EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50		EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-29	Client Sample Name: 5781, SB-15-S-N-17.5-20150616, 6/16/2015 1:45:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20		EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10		EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10		EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20		EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50		EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10		EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0		EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-29	Client Sample Name: 5781, SB-15-S-N-17.5-20150616, 6/16/2015 1:45:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	44.3	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	38.9	%	30 - 130 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	34.3	%	30 - 130 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	37.8	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	38.8	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	64.5	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	06/25/15	06/25/15 19:54	VH1	MS-B2	0.956	BYF2416

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-29	Client Sample Name: 5781, SB-15-S-N-17.5-20150616, 6/16/2015 1:45:00PM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0		EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	79.4	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/25/15	06/29/15 15:44	MWB	GC-2	1.003	BYF2572

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-30	Client Sample Name: 5781, SB-15-S-N-19-20150616, 6/16/2015 1:50:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		2
tert-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,2-Dichloroethene	ND	mg/kg	0.010		EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

Table with 2 columns: BCL Sample ID (1515127-30) and Client Sample Name (5781, SB-15-S-N-19-20150616, 6/16/2015 1:50:00PM)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various chemical compounds and their detection results.

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-30	Client Sample Name: 5781, SB-15-S-N-19-20150616, 6/16/2015 1:50:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20		Luft-GC/MS	ND		2
1,2-Dichloroethane-d4 (Surrogate)	104	%	70 - 121 (LCL - UCL)		EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	118	%	70 - 121 (LCL - UCL)		EPA-8260B			2
Toluene-d8 (Surrogate)	106	%	81 - 117 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)		EPA-8260B			2
4-Bromofluorobenzene (Surrogate)	104	%	74 - 121 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.9	%	74 - 121 (LCL - UCL)		EPA-8260B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/24/15	06/25/15 17:21	ADC	MS-V2	1	BYF2032
2	EPA-8260B	06/24/15	06/26/15 16:09	ADC	MS-V2	1	BYF2032

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-30	Client Sample Name: 5781, SB-15-S-N-19-20150616, 6/16/2015 1:50:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0		EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50		EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-30	Client Sample Name: 5781, SB-15-S-N-19-20150616, 6/16/2015 1:50:00PM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20		EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10		EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10		EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20		EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50		EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10		EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0		EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Table with 2 columns: BCL Sample ID (1515127-30) and Client Sample Name (5781, SB-15-S-N-19-20150616, 6/16/2015 1:50:00PM)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quads, Run #. Lists various chemical compounds and their detection results.

Summary table with columns: Run #, Method, Prep Date, Run Date/Time, Analyst, Instrument, Dilution, QC Batch ID. Shows details for Run #1.

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-30	Client Sample Name: 5781, SB-15-S-N-19-20150616, 6/16/2015 1:50:00PM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0		EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	85.8	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/25/15	06/29/15 16:07	MWB	GC-2	0.980	BYF2572

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-31	Client Sample Name: 5781, SB-13-S-N-5-20150617, 6/17/2015 7:55:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050		EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total 1,2-Dichloroethene	ND	mg/kg	0.010		EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260B	ND		1

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2020 L St, Suite 400
Sacramento, CA 95811

Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

Table with 2 columns: BCL Sample ID (1515127-31) and Client Sample Name (5781, SB-13-S-N-5-20150617, 6/17/2015 7:55:00AM)

Main data table with columns: Constituent, Result, Units, PQL, MDL, Method, MB Bias, Lab Quals, Run #. Lists various chemical compounds and their detection results.

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1515127-31	Client Sample Name: 5781, SB-13-S-N-5-20150617, 6/17/2015 7:55:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	mg/kg	0.20		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	117	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	97.2	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	06/24/15	06/26/15 15:46	ADC	MS-V2	1	BYF2032

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-31 **Client Sample Name:** 5781, SB-13-S-N-5-20150617, 6/17/2015 7:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0		EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50		EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10		EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10		EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Chloroisopropyl) ether	ND	mg/kg	0.10		EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10		EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10		EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-31	Client Sample Name: 5781, SB-13-S-N-5-20150617, 6/17/2015 7:55:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20		EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10		EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10		EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20		EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10		EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20		EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50		EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10		EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10		EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10		EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10		EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10		EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0		EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10		EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1515127-31	Client Sample Name: 5781, SB-13-S-N-5-20150617, 6/17/2015 7:55:00AM
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Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10		EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10		EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10		EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50		EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10		EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10		EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10		EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	34.2	%	20 - 130 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	33.2	%	30 - 130 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	26.7	%	30 - 130 (LCL - UCL)		EPA-8270C		S09	1
2-Fluorobiphenyl (Surrogate)	19.2	%	20 - 140 (LCL - UCL)		EPA-8270C		S09	1
2,4,6-Tribromophenol (Surrogate)	36.1	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	62.8	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	06/25/15	07/01/15 02:48	VH1	MS-B2	1.007	BYF2779

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

BCL Sample ID: 1515127-31	Client Sample Name: 5781, SB-13-S-N-5-20150617, 6/17/2015 7:55:00AM							
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Gasoline	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	2.0		EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	4.0		EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	103	%	20 - 145 (LCL - UCL)		EPA-8015B/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/FFP	06/25/15	06/30/15 01:53	MWB	GC-2	0.974	BYF2628

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYF2032						
Benzene	BYF2032-BLK1	ND	mg/kg	0.0050		
Bromobenzene	BYF2032-BLK1	ND	mg/kg	0.0050		
Bromochloromethane	BYF2032-BLK1	ND	mg/kg	0.0050		
Bromodichloromethane	BYF2032-BLK1	ND	mg/kg	0.0050		
Bromoform	BYF2032-BLK1	ND	mg/kg	0.0050		
Bromomethane	BYF2032-BLK1	ND	mg/kg	0.0050		
n-Butylbenzene	BYF2032-BLK1	ND	mg/kg	0.0050		
sec-Butylbenzene	BYF2032-BLK1	ND	mg/kg	0.0050		
tert-Butylbenzene	BYF2032-BLK1	ND	mg/kg	0.0050		
Carbon tetrachloride	BYF2032-BLK1	ND	mg/kg	0.0050		
Chlorobenzene	BYF2032-BLK1	ND	mg/kg	0.0050		
Chloroethane	BYF2032-BLK1	ND	mg/kg	0.0050		
Chloroform	BYF2032-BLK1	ND	mg/kg	0.0050		
Chloromethane	BYF2032-BLK1	ND	mg/kg	0.0050		
2-Chlorotoluene	BYF2032-BLK1	ND	mg/kg	0.0050		
4-Chlorotoluene	BYF2032-BLK1	ND	mg/kg	0.0050		
Dibromochloromethane	BYF2032-BLK1	ND	mg/kg	0.0050		
1,2-Dibromo-3-chloropropane	BYF2032-BLK1	ND	mg/kg	0.0050		
1,2-Dibromoethane	BYF2032-BLK1	ND	mg/kg	0.0050		
Dibromomethane	BYF2032-BLK1	ND	mg/kg	0.0050		
1,2-Dichlorobenzene	BYF2032-BLK1	ND	mg/kg	0.0050		
1,3-Dichlorobenzene	BYF2032-BLK1	ND	mg/kg	0.0050		
1,4-Dichlorobenzene	BYF2032-BLK1	ND	mg/kg	0.0050		
Dichlorodifluoromethane	BYF2032-BLK1	ND	mg/kg	0.0050		
1,1-Dichloroethane	BYF2032-BLK1	ND	mg/kg	0.0050		
1,2-Dichloroethane	BYF2032-BLK1	ND	mg/kg	0.0050		
1,1-Dichloroethene	BYF2032-BLK1	ND	mg/kg	0.0050		
cis-1,2-Dichloroethene	BYF2032-BLK1	ND	mg/kg	0.0050		
trans-1,2-Dichloroethene	BYF2032-BLK1	ND	mg/kg	0.0050		
Total 1,2-Dichloroethene	BYF2032-BLK1	ND	mg/kg	0.010		
1,2-Dichloropropane	BYF2032-BLK1	ND	mg/kg	0.0050		
1,3-Dichloropropane	BYF2032-BLK1	ND	mg/kg	0.0050		
2,2-Dichloropropane	BYF2032-BLK1	ND	mg/kg	0.0050		
1,1-Dichloropropene	BYF2032-BLK1	ND	mg/kg	0.0050		

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYF2032						
cis-1,3-Dichloropropene	BYF2032-BLK1	ND	mg/kg	0.0050		
trans-1,3-Dichloropropene	BYF2032-BLK1	ND	mg/kg	0.0050		
Total 1,3-Dichloropropene	BYF2032-BLK1	ND	mg/kg	0.010		
Ethylbenzene	BYF2032-BLK1	ND	mg/kg	0.0050		
Hexachlorobutadiene	BYF2032-BLK1	ND	mg/kg	0.0050		
Isopropylbenzene	BYF2032-BLK1	ND	mg/kg	0.0050		
p-Isopropyltoluene	BYF2032-BLK1	ND	mg/kg	0.0050		
Methylene chloride	BYF2032-BLK1	ND	mg/kg	0.010		
Methyl t-butyl ether	BYF2032-BLK1	ND	mg/kg	0.0050		
Naphthalene	BYF2032-BLK1	ND	mg/kg	0.0050		
n-Propylbenzene	BYF2032-BLK1	ND	mg/kg	0.0050		
Styrene	BYF2032-BLK1	ND	mg/kg	0.0050		
1,1,1,2-Tetrachloroethane	BYF2032-BLK1	ND	mg/kg	0.0050		
1,1,1,2-Tetrachloroethane	BYF2032-BLK1	ND	mg/kg	0.0050		
Tetrachloroethene	BYF2032-BLK1	ND	mg/kg	0.0050		
Toluene	BYF2032-BLK1	ND	mg/kg	0.0050		
1,2,3-Trichlorobenzene	BYF2032-BLK1	ND	mg/kg	0.0050		
1,2,4-Trichlorobenzene	BYF2032-BLK1	ND	mg/kg	0.0050		
1,1,1-Trichloroethane	BYF2032-BLK1	ND	mg/kg	0.0050		
1,1,2-Trichloroethane	BYF2032-BLK1	ND	mg/kg	0.0050		
Trichloroethene	BYF2032-BLK1	ND	mg/kg	0.0050		
Trichlorofluoromethane	BYF2032-BLK1	ND	mg/kg	0.0050		
1,2,3-Trichloropropane	BYF2032-BLK1	ND	mg/kg	0.0050		
1,1,2-Trichloro-1,2,2-trifluoroethane	BYF2032-BLK1	ND	mg/kg	0.0050		
1,2,4-Trimethylbenzene	BYF2032-BLK1	ND	mg/kg	0.0050		
1,3,5-Trimethylbenzene	BYF2032-BLK1	ND	mg/kg	0.0050		
Vinyl chloride	BYF2032-BLK1	ND	mg/kg	0.0050		
Total Xylenes	BYF2032-BLK1	ND	mg/kg	0.010		
t-Amyl Methyl ether	BYF2032-BLK1	ND	mg/kg	0.0050		
t-Butyl alcohol	BYF2032-BLK1	ND	mg/kg	0.050		
Diisopropyl ether	BYF2032-BLK1	ND	mg/kg	0.0050		
Ethanol	BYF2032-BLK1	ND	mg/kg	1.0		
Ethyl t-butyl ether	BYF2032-BLK1	ND	mg/kg	0.0050		
Total Purgeable Petroleum Hydrocarbons	BYF2032-BLK1	ND	mg/kg	0.20		

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
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QC Batch ID: BYF2032

1,2-Dichloroethane-d4 (Surrogate)	BYF2032-BLK1	104	%	70 - 121 (LCL - UCL)		
Toluene-d8 (Surrogate)	BYF2032-BLK1	101	%	81 - 117 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BYF2032-BLK1	98.6	%	74 - 121 (LCL - UCL)		

QC Batch ID: BYF2327

Benzene	BYF2327-BLK1	ND	mg/kg	0.0050		
Bromobenzene	BYF2327-BLK1	ND	mg/kg	0.0050		
Bromochloromethane	BYF2327-BLK1	ND	mg/kg	0.0050		
Bromodichloromethane	BYF2327-BLK1	ND	mg/kg	0.0050		
Bromoform	BYF2327-BLK1	ND	mg/kg	0.0050		
Bromomethane	BYF2327-BLK1	ND	mg/kg	0.0050		
n-Butylbenzene	BYF2327-BLK1	ND	mg/kg	0.0050		
sec-Butylbenzene	BYF2327-BLK1	ND	mg/kg	0.0050		
tert-Butylbenzene	BYF2327-BLK1	ND	mg/kg	0.0050		
Carbon tetrachloride	BYF2327-BLK1	ND	mg/kg	0.0050		
Chlorobenzene	BYF2327-BLK1	ND	mg/kg	0.0050		
Chloroethane	BYF2327-BLK1	ND	mg/kg	0.0050		
Chloroform	BYF2327-BLK1	ND	mg/kg	0.0050		
Chloromethane	BYF2327-BLK1	ND	mg/kg	0.0050		
2-Chlorotoluene	BYF2327-BLK1	ND	mg/kg	0.0050		
4-Chlorotoluene	BYF2327-BLK1	ND	mg/kg	0.0050		
Dibromochloromethane	BYF2327-BLK1	ND	mg/kg	0.0050		
1,2-Dibromo-3-chloropropane	BYF2327-BLK1	ND	mg/kg	0.0050		
1,2-Dibromoethane	BYF2327-BLK1	ND	mg/kg	0.0050		
Dibromomethane	BYF2327-BLK1	ND	mg/kg	0.0050		
1,2-Dichlorobenzene	BYF2327-BLK1	ND	mg/kg	0.0050		
1,3-Dichlorobenzene	BYF2327-BLK1	ND	mg/kg	0.0050		
1,4-Dichlorobenzene	BYF2327-BLK1	ND	mg/kg	0.0050		
Dichlorodifluoromethane	BYF2327-BLK1	ND	mg/kg	0.0050		
1,1-Dichloroethane	BYF2327-BLK1	ND	mg/kg	0.0050		
1,2-Dichloroethane	BYF2327-BLK1	ND	mg/kg	0.0050		
1,1-Dichloroethene	BYF2327-BLK1	ND	mg/kg	0.0050		
cis-1,2-Dichloroethene	BYF2327-BLK1	ND	mg/kg	0.0050		
trans-1,2-Dichloroethene	BYF2327-BLK1	ND	mg/kg	0.0050		

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYF2327						
Total 1,2-Dichloroethene	BYF2327-BLK1	ND	mg/kg	0.010		
1,2-Dichloropropane	BYF2327-BLK1	ND	mg/kg	0.0050		
1,3-Dichloropropane	BYF2327-BLK1	ND	mg/kg	0.0050		
2,2-Dichloropropane	BYF2327-BLK1	ND	mg/kg	0.0050		
1,1-Dichloropropene	BYF2327-BLK1	ND	mg/kg	0.0050		
cis-1,3-Dichloropropene	BYF2327-BLK1	ND	mg/kg	0.0050		
trans-1,3-Dichloropropene	BYF2327-BLK1	ND	mg/kg	0.0050		
Total 1,3-Dichloropropene	BYF2327-BLK1	ND	mg/kg	0.010		
Ethylbenzene	BYF2327-BLK1	ND	mg/kg	0.0050		
Hexachlorobutadiene	BYF2327-BLK1	ND	mg/kg	0.0050		
Isopropylbenzene	BYF2327-BLK1	ND	mg/kg	0.0050		
p-Isopropyltoluene	BYF2327-BLK1	ND	mg/kg	0.0050		
Methylene chloride	BYF2327-BLK1	ND	mg/kg	0.010		
Methyl t-butyl ether	BYF2327-BLK1	ND	mg/kg	0.0050		
Naphthalene	BYF2327-BLK1	ND	mg/kg	0.0050		
n-Propylbenzene	BYF2327-BLK1	ND	mg/kg	0.0050		
Styrene	BYF2327-BLK1	ND	mg/kg	0.0050		
1,1,1,2-Tetrachloroethane	BYF2327-BLK1	ND	mg/kg	0.0050		
1,1,1,2,2-Tetrachloroethane	BYF2327-BLK1	ND	mg/kg	0.0050		
Tetrachloroethene	BYF2327-BLK1	ND	mg/kg	0.0050		
Toluene	BYF2327-BLK1	ND	mg/kg	0.0050		
1,2,3-Trichlorobenzene	BYF2327-BLK1	ND	mg/kg	0.0050		
1,2,4-Trichlorobenzene	BYF2327-BLK1	ND	mg/kg	0.0050		
1,1,1-Trichloroethane	BYF2327-BLK1	ND	mg/kg	0.0050		
1,1,2-Trichloroethane	BYF2327-BLK1	ND	mg/kg	0.0050		
Trichloroethene	BYF2327-BLK1	ND	mg/kg	0.0050		
Trichlorofluoromethane	BYF2327-BLK1	ND	mg/kg	0.0050		
1,2,3-Trichloropropane	BYF2327-BLK1	ND	mg/kg	0.0050		
1,1,2-Trichloro-1,2,2-trifluoroethane	BYF2327-BLK1	ND	mg/kg	0.0050		
1,2,4-Trimethylbenzene	BYF2327-BLK1	ND	mg/kg	0.0050		
1,3,5-Trimethylbenzene	BYF2327-BLK1	ND	mg/kg	0.0050		
Vinyl chloride	BYF2327-BLK1	ND	mg/kg	0.0050		
Total Xylenes	BYF2327-BLK1	ND	mg/kg	0.010		
t-Amyl Methyl ether	BYF2327-BLK1	ND	mg/kg	0.0050		

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Table with 7 columns: Constituent, QC Sample ID, MB Result, Units, PQL, MDL, Lab Quals. Includes QC Batch ID: BYF2327 and rows for various hydrocarbons and surrogates.

Table with 7 columns: Constituent, QC Sample ID, MB Result, Units, PQL, MDL, Lab Quals. Includes QC Batch ID: BYF2338 and rows for a wide range of organic compounds.

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Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYF2338						
1,1-Dichloroethane	BYF2338-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BYF2338-BLK1	ND	ug/L	0.50		
1,1-Dichloroethene	BYF2338-BLK1	ND	ug/L	0.50		
cis-1,2-Dichloroethene	BYF2338-BLK1	ND	ug/L	0.50		
trans-1,2-Dichloroethene	BYF2338-BLK1	ND	ug/L	0.50		
Total 1,2-Dichloroethene	BYF2338-BLK1	ND	ug/L	1.0		
1,2-Dichloropropane	BYF2338-BLK1	ND	ug/L	0.50		
1,3-Dichloropropane	BYF2338-BLK1	ND	ug/L	0.50		
2,2-Dichloropropane	BYF2338-BLK1	ND	ug/L	0.50		
1,1-Dichloropropene	BYF2338-BLK1	ND	ug/L	0.50		
cis-1,3-Dichloropropene	BYF2338-BLK1	ND	ug/L	0.50		
trans-1,3-Dichloropropene	BYF2338-BLK1	ND	ug/L	0.50		
Total 1,3-Dichloropropene	BYF2338-BLK1	ND	ug/L	1.0		
Ethylbenzene	BYF2338-BLK1	ND	ug/L	0.50		
Hexachlorobutadiene	BYF2338-BLK1	ND	ug/L	0.50		
Isopropylbenzene	BYF2338-BLK1	ND	ug/L	0.50		
p-Isopropyltoluene	BYF2338-BLK1	ND	ug/L	0.50		
Methylene chloride	BYF2338-BLK1	ND	ug/L	1.0		
Methyl t-butyl ether	BYF2338-BLK1	ND	ug/L	0.50		
Naphthalene	BYF2338-BLK1	ND	ug/L	0.50		
n-Propylbenzene	BYF2338-BLK1	ND	ug/L	0.50		
Styrene	BYF2338-BLK1	ND	ug/L	0.50		
1,1,1,2-Tetrachloroethane	BYF2338-BLK1	ND	ug/L	0.50		
1,1,2,2-Tetrachloroethane	BYF2338-BLK1	ND	ug/L	0.50		
Tetrachloroethene	BYF2338-BLK1	ND	ug/L	0.50		
Toluene	BYF2338-BLK1	ND	ug/L	0.50		
1,2,3-Trichlorobenzene	BYF2338-BLK1	ND	ug/L	0.50		
1,2,4-Trichlorobenzene	BYF2338-BLK1	ND	ug/L	0.50		
1,1,1-Trichloroethane	BYF2338-BLK1	ND	ug/L	0.50		
1,1,2-Trichloroethane	BYF2338-BLK1	ND	ug/L	0.50		
Trichloroethene	BYF2338-BLK1	ND	ug/L	0.50		
Trichlorofluoromethane	BYF2338-BLK1	ND	ug/L	0.50		
1,2,3-Trichloropropane	BYF2338-BLK1	ND	ug/L	1.0		
1,1,2-Trichloro-1,2,2-trifluoroethane	BYF2338-BLK1	ND	ug/L	0.50		

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Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Table with 7 columns: Constituent, QC Sample ID, MB Result, Units, PQL, MDL, Lab Quals

QC Batch ID: BYF2338

Table listing 12 constituents for QC Batch ID: BYF2338, including 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Vinyl chloride, Total Xylenes, t-Amyl Methyl ether, t-Butyl alcohol, Diisopropyl ether, Ethanol, Ethyl t-butyl ether, 1,2-Dichloroethane-d4 (Surrogate), Toluene-d8 (Surrogate), and 4-Bromofluorobenzene (Surrogate).

QC Batch ID: BYF2350

Table listing 20 constituents for QC Batch ID: BYF2350, including Benzene, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Bromomethane, n-Butylbenzene, sec-Butylbenzene, tert-Butylbenzene, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloromethane, 2-Chlorotoluene, 4-Chlorotoluene, Dibromochloromethane, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, and Dibromomethane.

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Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYF2350						
1,2-Dichlorobenzene	BYF2350-BLK1	ND	mg/kg	0.0050		
1,3-Dichlorobenzene	BYF2350-BLK1	ND	mg/kg	0.0050		
1,4-Dichlorobenzene	BYF2350-BLK1	ND	mg/kg	0.0050		
Dichlorodifluoromethane	BYF2350-BLK1	ND	mg/kg	0.0050		
1,1-Dichloroethane	BYF2350-BLK1	ND	mg/kg	0.0050		
1,2-Dichloroethane	BYF2350-BLK1	ND	mg/kg	0.0050		
1,1-Dichloroethene	BYF2350-BLK1	ND	mg/kg	0.0050		
cis-1,2-Dichloroethene	BYF2350-BLK1	ND	mg/kg	0.0050		
trans-1,2-Dichloroethene	BYF2350-BLK1	ND	mg/kg	0.0050		
Total 1,2-Dichloroethene	BYF2350-BLK1	ND	mg/kg	0.010		
1,2-Dichloropropane	BYF2350-BLK1	ND	mg/kg	0.0050		
1,3-Dichloropropane	BYF2350-BLK1	ND	mg/kg	0.0050		
2,2-Dichloropropane	BYF2350-BLK1	ND	mg/kg	0.0050		
1,1-Dichloropropene	BYF2350-BLK1	ND	mg/kg	0.0050		
cis-1,3-Dichloropropene	BYF2350-BLK1	ND	mg/kg	0.0050		
trans-1,3-Dichloropropene	BYF2350-BLK1	ND	mg/kg	0.0050		
Total 1,3-Dichloropropene	BYF2350-BLK1	ND	mg/kg	0.010		
Ethylbenzene	BYF2350-BLK1	ND	mg/kg	0.0050		
Hexachlorobutadiene	BYF2350-BLK1	ND	mg/kg	0.0050		
Isopropylbenzene	BYF2350-BLK1	ND	mg/kg	0.0050		
p-Isopropyltoluene	BYF2350-BLK1	ND	mg/kg	0.0050		
Methylene chloride	BYF2350-BLK1	ND	mg/kg	0.010		
Methyl t-butyl ether	BYF2350-BLK1	ND	mg/kg	0.0050		
Naphthalene	BYF2350-BLK1	ND	mg/kg	0.0050		
n-Propylbenzene	BYF2350-BLK1	ND	mg/kg	0.0050		
Styrene	BYF2350-BLK1	ND	mg/kg	0.0050		
1,1,1,2-Tetrachloroethane	BYF2350-BLK1	ND	mg/kg	0.0050		
1,1,1,2,2-Tetrachloroethane	BYF2350-BLK1	ND	mg/kg	0.0050		
Tetrachloroethene	BYF2350-BLK1	ND	mg/kg	0.0050		
Toluene	BYF2350-BLK1	ND	mg/kg	0.0050		
1,2,3-Trichlorobenzene	BYF2350-BLK1	ND	mg/kg	0.0050		
1,2,4-Trichlorobenzene	BYF2350-BLK1	ND	mg/kg	0.0050		
1,1,1-Trichloroethane	BYF2350-BLK1	ND	mg/kg	0.0050		
1,1,2-Trichloroethane	BYF2350-BLK1	ND	mg/kg	0.0050		

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Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYF2350						
Trichloroethene	BYF2350-BLK1	ND	mg/kg	0.0050		
Trichlorofluoromethane	BYF2350-BLK1	ND	mg/kg	0.0050		
1,2,3-Trichloropropane	BYF2350-BLK1	ND	mg/kg	0.0050		
1,1,2-Trichloro-1,2,2-trifluoroethane	BYF2350-BLK1	ND	mg/kg	0.0050		
1,2,4-Trimethylbenzene	BYF2350-BLK1	ND	mg/kg	0.0050		
1,3,5-Trimethylbenzene	BYF2350-BLK1	ND	mg/kg	0.0050		
Vinyl chloride	BYF2350-BLK1	ND	mg/kg	0.0050		
Total Xylenes	BYF2350-BLK1	ND	mg/kg	0.010		
t-Amyl Methyl ether	BYF2350-BLK1	ND	mg/kg	0.0050		
t-Butyl alcohol	BYF2350-BLK1	ND	mg/kg	0.050		
Diisopropyl ether	BYF2350-BLK1	ND	mg/kg	0.0050		
Ethanol	BYF2350-BLK1	ND	mg/kg	1.0		
Ethyl t-butyl ether	BYF2350-BLK1	ND	mg/kg	0.0050		
Total Purgeable Petroleum Hydrocarbons	BYF2350-BLK1	ND	mg/kg	0.20		
1,2-Dichloroethane-d4 (Surrogate)	BYF2350-BLK1	113	%	70 - 121 (LCL - UCL)		
Toluene-d8 (Surrogate)	BYF2350-BLK1	110	%	81 - 117 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BYF2350-BLK1	99.0	%	74 - 121 (LCL - UCL)		

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab Quals
								Percent Recovery	RPD	
QC Batch ID: BYF2032										
Benzene	BYF2032-BS1	LCS	0.14382	0.12500	mg/kg	115		70 - 130		
Bromodichloromethane	BYF2032-BS1	LCS	0.13401	0.12500	mg/kg	107		70 - 130		
Chlorobenzene	BYF2032-BS1	LCS	0.13292	0.12500	mg/kg	106		70 - 130		
Chloroethane	BYF2032-BS1	LCS	0.13818	0.12500	mg/kg	111		70 - 130		
1,4-Dichlorobenzene	BYF2032-BS1	LCS	0.13408	0.12500	mg/kg	107		70 - 130		
1,1-Dichloroethane	BYF2032-BS1	LCS	0.14195	0.12500	mg/kg	114		70 - 130		
1,1-Dichloroethene	BYF2032-BS1	LCS	0.12977	0.12500	mg/kg	104		70 - 130		
Toluene	BYF2032-BS1	LCS	0.13760	0.12500	mg/kg	110		70 - 130		
Trichloroethene	BYF2032-BS1	LCS	0.13576	0.12500	mg/kg	109		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BYF2032-BS1	LCS	0.055320	0.050000	mg/kg	111		70 - 121		
Toluene-d8 (Surrogate)	BYF2032-BS1	LCS	0.050880	0.050000	mg/kg	102		81 - 117		
4-Bromofluorobenzene (Surrogate)	BYF2032-BS1	LCS	0.051830	0.050000	mg/kg	104		74 - 121		
QC Batch ID: BYF2327										
Benzene	BYF2327-BS1	LCS	0.14376	0.12500	mg/kg	115		70 - 130		
Bromodichloromethane	BYF2327-BS1	LCS	0.13125	0.12500	mg/kg	105		70 - 130		
Chlorobenzene	BYF2327-BS1	LCS	0.13266	0.12500	mg/kg	106		70 - 130		
Chloroethane	BYF2327-BS1	LCS	0.14094	0.12500	mg/kg	113		70 - 130		
1,4-Dichlorobenzene	BYF2327-BS1	LCS	0.13732	0.12500	mg/kg	110		70 - 130		
1,1-Dichloroethane	BYF2327-BS1	LCS	0.14077	0.12500	mg/kg	113		70 - 130		
1,1-Dichloroethene	BYF2327-BS1	LCS	0.13649	0.12500	mg/kg	109		70 - 130		
Toluene	BYF2327-BS1	LCS	0.14108	0.12500	mg/kg	113		70 - 130		
Trichloroethene	BYF2327-BS1	LCS	0.13627	0.12500	mg/kg	109		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BYF2327-BS1	LCS	0.053610	0.050000	mg/kg	107		70 - 121		
Toluene-d8 (Surrogate)	BYF2327-BS1	LCS	0.050360	0.050000	mg/kg	101		81 - 117		
4-Bromofluorobenzene (Surrogate)	BYF2327-BS1	LCS	0.052040	0.050000	mg/kg	104		74 - 121		
QC Batch ID: BYF2338										
Benzene	BYF2338-BS1	LCS	23.860	25.000	ug/L	95.4		70 - 130		
Bromodichloromethane	BYF2338-BS1	LCS	25.610	25.000	ug/L	102		70 - 130		
Chlorobenzene	BYF2338-BS1	LCS	23.400	25.000	ug/L	93.6		70 - 130		
Chloroethane	BYF2338-BS1	LCS	26.290	25.000	ug/L	105		70 - 130		
1,4-Dichlorobenzene	BYF2338-BS1	LCS	22.650	25.000	ug/L	90.6		70 - 130		
1,1-Dichloroethane	BYF2338-BS1	LCS	24.490	25.000	ug/L	98.0		70 - 130		
1,1-Dichloroethene	BYF2338-BS1	LCS	26.690	25.000	ug/L	107		70 - 130		

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Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab Quals
								Percent Recovery	RPD	
QC Batch ID: BYF2338										
Toluene	BYF2338-BS1	LCS	25.100	25.000	ug/L	100		70 - 130		
Trichloroethene	BYF2338-BS1	LCS	29.470	25.000	ug/L	118		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BYF2338-BS1	LCS	10.340	10.000	ug/L	103		75 - 125		
Toluene-d8 (Surrogate)	BYF2338-BS1	LCS	10.060	10.000	ug/L	101		80 - 120		
4-Bromofluorobenzene (Surrogate)	BYF2338-BS1	LCS	9.7400	10.000	ug/L	97.4		80 - 120		
QC Batch ID: BYF2350										
Benzene	BYF2350-BS1	LCS	0.13905	0.12500	mg/kg	111		70 - 130		
Bromodichloromethane	BYF2350-BS1	LCS	0.12893	0.12500	mg/kg	103		70 - 130		
Chlorobenzene	BYF2350-BS1	LCS	0.12926	0.12500	mg/kg	103		70 - 130		
Chloroethane	BYF2350-BS1	LCS	0.12040	0.12500	mg/kg	96.3		70 - 130		
1,4-Dichlorobenzene	BYF2350-BS1	LCS	0.12578	0.12500	mg/kg	101		70 - 130		
1,1-Dichloroethane	BYF2350-BS1	LCS	0.13303	0.12500	mg/kg	106		70 - 130		
1,1-Dichloroethene	BYF2350-BS1	LCS	0.11728	0.12500	mg/kg	93.8		70 - 130		
Toluene	BYF2350-BS1	LCS	0.12801	0.12500	mg/kg	102		70 - 130		
Trichloroethene	BYF2350-BS1	LCS	0.12496	0.12500	mg/kg	100		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BYF2350-BS1	LCS	0.054110	0.050000	mg/kg	108		70 - 121		
Toluene-d8 (Surrogate)	BYF2350-BS1	LCS	0.048410	0.050000	mg/kg	96.8		81 - 117		
4-Bromofluorobenzene (Surrogate)	BYF2350-BS1	LCS	0.051600	0.050000	mg/kg	103		74 - 121		

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Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Precision & Accuracy

Table with columns: Constituent, Source Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Control Limits Percent Recovery, Lab Quals. Includes two sections for QC Batch IDs: BYF2032 and BYF2327.

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Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Precision & Accuracy

Table with columns: Constituent, Source Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Percent Recovery, Lab Qualls. Includes two QC batches: BYF2327 and BYF2338.

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Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab
								Percent Recovery	RPD	
QC Batch ID: BYF2350		Used client sample: N								
Benzene	MS	1513811-57	ND	0.13229	0.12500	mg/kg		106		70 - 130
	MSD	1513811-57	ND	0.12624	0.12500	mg/kg	4.7	101	20	70 - 130
Bromodichloromethane	MS	1513811-57	ND	0.11987	0.12500	mg/kg		95.9		70 - 130
	MSD	1513811-57	ND	0.12417	0.12500	mg/kg	3.5	99.3	20	70 - 130
Chlorobenzene	MS	1513811-57	ND	0.11495	0.12500	mg/kg		92.0		70 - 130
	MSD	1513811-57	ND	0.11821	0.12500	mg/kg	2.8	94.6	20	70 - 130
Chloroethane	MS	1513811-57	ND	0.11729	0.12500	mg/kg		93.8		70 - 130
	MSD	1513811-57	ND	0.11078	0.12500	mg/kg	5.7	88.6	20	70 - 130
1,4-Dichlorobenzene	MS	1513811-57	ND	0.12263	0.12500	mg/kg		98.1		70 - 130
	MSD	1513811-57	ND	0.12598	0.12500	mg/kg	2.7	101	20	70 - 130
1,1-Dichloroethane	MS	1513811-57	ND	0.12793	0.12500	mg/kg		102		70 - 130
	MSD	1513811-57	ND	0.12555	0.12500	mg/kg	1.9	100	20	70 - 130
1,1-Dichloroethene	MS	1513811-57	ND	0.11407	0.12500	mg/kg		91.3		70 - 130
	MSD	1513811-57	ND	0.11508	0.12500	mg/kg	0.9	92.1	20	70 - 130
Toluene	MS	1513811-57	ND	0.11635	0.12500	mg/kg		93.1		70 - 130
	MSD	1513811-57	ND	0.12139	0.12500	mg/kg	4.2	97.1	20	70 - 130
Trichloroethene	MS	1513811-57	ND	0.12057	0.12500	mg/kg		96.5		70 - 130
	MSD	1513811-57	ND	0.12043	0.12500	mg/kg	0.1	96.3	20	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	MS	1513811-57	ND	0.056260	0.050000	mg/kg		113		70 - 121
	MSD	1513811-57	ND	0.055540	0.050000	mg/kg	1.3	111		70 - 121
Toluene-d8 (Surrogate)	MS	1513811-57	ND	0.048590	0.050000	mg/kg		97.2		81 - 117
	MSD	1513811-57	ND	0.050680	0.050000	mg/kg	4.2	101		81 - 117
4-Bromofluorobenzene (Surrogate)	MS	1513811-57	ND	0.054210	0.050000	mg/kg		108		74 - 121
	MSD	1513811-57	ND	0.051990	0.050000	mg/kg	4.2	104		74 - 121

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYF2221						
Acenaphthene	BYF2221-BLK1	ND	ug/L	2.0		
Acenaphthylene	BYF2221-BLK1	ND	ug/L	2.0		
Aldrin	BYF2221-BLK1	ND	ug/L	2.0		
Aniline	BYF2221-BLK1	ND	ug/L	5.0		
Anthracene	BYF2221-BLK1	ND	ug/L	2.0		
Benzidine	BYF2221-BLK1	ND	ug/L	20		
Benzo[a]anthracene	BYF2221-BLK1	ND	ug/L	2.0		
Benzo[b]fluoranthene	BYF2221-BLK1	ND	ug/L	2.0		
Benzo[k]fluoranthene	BYF2221-BLK1	ND	ug/L	2.0		
Benzo[a]pyrene	BYF2221-BLK1	ND	ug/L	2.0		
Benzo[g,h,i]perylene	BYF2221-BLK1	ND	ug/L	2.0		
Benzoic acid	BYF2221-BLK1	ND	ug/L	10		
Benzyl alcohol	BYF2221-BLK1	ND	ug/L	2.0		
Benzyl butyl phthalate	BYF2221-BLK1	ND	ug/L	2.0		
alpha-BHC	BYF2221-BLK1	ND	ug/L	2.0		
beta-BHC	BYF2221-BLK1	ND	ug/L	2.0		
delta-BHC	BYF2221-BLK1	ND	ug/L	2.0		
gamma-BHC (Lindane)	BYF2221-BLK1	ND	ug/L	2.0		
bis(2-Chloroethoxy)methane	BYF2221-BLK1	ND	ug/L	2.0		
bis(2-Chloroethyl) ether	BYF2221-BLK1	ND	ug/L	2.0		
bis(2-Chloroisopropyl)ether	BYF2221-BLK1	ND	ug/L	2.0		
bis(2-Ethylhexyl)phthalate	BYF2221-BLK1	ND	ug/L	5.0		
4-Bromophenyl phenyl ether	BYF2221-BLK1	ND	ug/L	2.0		
4-Chloroaniline	BYF2221-BLK1	ND	ug/L	2.0		
2-Chloronaphthalene	BYF2221-BLK1	ND	ug/L	2.0		
4-Chlorophenyl phenyl ether	BYF2221-BLK1	ND	ug/L	2.0		
Chrysene	BYF2221-BLK1	ND	ug/L	2.0		
4,4'-DDD	BYF2221-BLK1	ND	ug/L	2.0		
4,4'-DDE	BYF2221-BLK1	ND	ug/L	3.0		
4,4'-DDT	BYF2221-BLK1	ND	ug/L	2.0		
Dibenzo[a,h]anthracene	BYF2221-BLK1	ND	ug/L	3.0		
Dibenzofuran	BYF2221-BLK1	ND	ug/L	2.0		
1,2-Dichlorobenzene	BYF2221-BLK1	ND	ug/L	2.0		
1,3-Dichlorobenzene	BYF2221-BLK1	ND	ug/L	2.0		

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYF2221						
1,4-Dichlorobenzene	BYF2221-BLK1	ND	ug/L	2.0		
3,3-Dichlorobenzidine	BYF2221-BLK1	ND	ug/L	10		
Dieldrin	BYF2221-BLK1	ND	ug/L	3.0		
Diethyl phthalate	BYF2221-BLK1	ND	ug/L	2.0		
Dimethyl phthalate	BYF2221-BLK1	ND	ug/L	2.0		
Di-n-butyl phthalate	BYF2221-BLK1	ND	ug/L	2.0		
2,4-Dinitrotoluene	BYF2221-BLK1	ND	ug/L	2.0		
2,6-Dinitrotoluene	BYF2221-BLK1	ND	ug/L	2.0		
Di-n-octyl phthalate	BYF2221-BLK1	ND	ug/L	2.0		
1,2-Diphenylhydrazine	BYF2221-BLK1	ND	ug/L	2.0		
Endosulfan I	BYF2221-BLK1	ND	ug/L	10		
Endosulfan II	BYF2221-BLK1	ND	ug/L	10		
Endosulfan sulfate	BYF2221-BLK1	ND	ug/L	3.0		
Endrin	BYF2221-BLK1	ND	ug/L	2.0		
Endrin aldehyde	BYF2221-BLK1	ND	ug/L	10		
Fluoranthene	BYF2221-BLK1	ND	ug/L	2.0		
Fluorene	BYF2221-BLK1	ND	ug/L	2.0		
Heptachlor	BYF2221-BLK1	ND	ug/L	2.0		
Heptachlor epoxide	BYF2221-BLK1	ND	ug/L	2.0		
Hexachlorobenzene	BYF2221-BLK1	ND	ug/L	2.0		
Hexachlorobutadiene	BYF2221-BLK1	ND	ug/L	2.0		
Hexachlorocyclopentadiene	BYF2221-BLK1	ND	ug/L	2.0		
Hexachloroethane	BYF2221-BLK1	ND	ug/L	2.0		
Indeno[1,2,3-cd]pyrene	BYF2221-BLK1	ND	ug/L	2.0		
Isophorone	BYF2221-BLK1	ND	ug/L	2.0		
2-Methylnaphthalene	BYF2221-BLK1	ND	ug/L	2.0		
Naphthalene	BYF2221-BLK1	ND	ug/L	2.0		
2-Naphthylamine	BYF2221-BLK1	ND	ug/L	20		
2-Nitroaniline	BYF2221-BLK1	ND	ug/L	2.0		
3-Nitroaniline	BYF2221-BLK1	ND	ug/L	2.0		
4-Nitroaniline	BYF2221-BLK1	ND	ug/L	5.0		
Nitrobenzene	BYF2221-BLK1	ND	ug/L	2.0		
N-Nitrosodimethylamine	BYF2221-BLK1	ND	ug/L	2.0		
N-Nitrosodi-N-propylamine	BYF2221-BLK1	ND	ug/L	2.0		

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
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QC Batch ID: BYF2221

N-Nitrosodiphenylamine	BYF2221-BLK1	ND	ug/L	2.0		
Phenanthrene	BYF2221-BLK1	ND	ug/L	2.0		
Pyrene	BYF2221-BLK1	ND	ug/L	2.0		
1,2,4-Trichlorobenzene	BYF2221-BLK1	ND	ug/L	2.0		
4-Chloro-3-methylphenol	BYF2221-BLK1	ND	ug/L	5.0		
2-Chlorophenol	BYF2221-BLK1	ND	ug/L	2.0		
2,4-Dichlorophenol	BYF2221-BLK1	ND	ug/L	2.0		
2,4-Dimethylphenol	BYF2221-BLK1	ND	ug/L	2.0		
4,6-Dinitro-2-methylphenol	BYF2221-BLK1	ND	ug/L	10		
2,4-Dinitrophenol	BYF2221-BLK1	ND	ug/L	10		
2-Methylphenol	BYF2221-BLK1	ND	ug/L	2.0		
3- & 4-Methylphenol	BYF2221-BLK1	ND	ug/L	2.0		
2-Nitrophenol	BYF2221-BLK1	ND	ug/L	2.0		
4-Nitrophenol	BYF2221-BLK1	ND	ug/L	2.0		
Pentachlorophenol	BYF2221-BLK1	ND	ug/L	10		
Phenol	BYF2221-BLK1	ND	ug/L	2.0		
2,4,5-Trichlorophenol	BYF2221-BLK1	ND	ug/L	5.0		
2,4,6-Trichlorophenol	BYF2221-BLK1	ND	ug/L	5.0		
2-Fluorophenol (Surrogate)	BYF2221-BLK1	59.1	%	30 - 120 (LCL - UCL)		
Phenol-d5 (Surrogate)	BYF2221-BLK1	35.2	%	12 - 110 (LCL - UCL)		
Nitrobenzene-d5 (Surrogate)	BYF2221-BLK1	75.1	%	50 - 130 (LCL - UCL)		
2-Fluorobiphenyl (Surrogate)	BYF2221-BLK1	85.6	%	55 - 125 (LCL - UCL)		
2,4,6-Tribromophenol (Surrogate)	BYF2221-BLK1	114	%	40 - 150 (LCL - UCL)		
p-Terphenyl-d14 (Surrogate)	BYF2221-BLK1	93.9	%	40 - 150 (LCL - UCL)		

QC Batch ID: BYF2416

Acenaphthene	BYF2416-BLK1	ND	mg/kg	0.10		
Acenaphthylene	BYF2416-BLK1	ND	mg/kg	0.10		
Aldrin	BYF2416-BLK1	ND	mg/kg	0.10		
Aniline	BYF2416-BLK1	ND	mg/kg	0.20		
Anthracene	BYF2416-BLK1	ND	mg/kg	0.10		
Benzidine	BYF2416-BLK1	ND	mg/kg	3.0		
Benzo[a]anthracene	BYF2416-BLK1	ND	mg/kg	0.10		
Benzo[b]fluoranthene	BYF2416-BLK1	ND	mg/kg	0.10		

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Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYF2416						
Benzo[k]fluoranthene	BYF2416-BLK1	ND	mg/kg	0.10		
Benzo[a]pyrene	BYF2416-BLK1	ND	mg/kg	0.10		
Benzo[g,h,i]perylene	BYF2416-BLK1	ND	mg/kg	0.10		
Benzoic acid	BYF2416-BLK1	ND	mg/kg	0.50		
Benzyl alcohol	BYF2416-BLK1	ND	mg/kg	0.10		
Benzyl butyl phthalate	BYF2416-BLK1	ND	mg/kg	0.10		
alpha-BHC	BYF2416-BLK1	ND	mg/kg	0.10		
beta-BHC	BYF2416-BLK1	ND	mg/kg	0.10		
delta-BHC	BYF2416-BLK1	ND	mg/kg	0.10		
gamma-BHC (Lindane)	BYF2416-BLK1	ND	mg/kg	0.10		
bis(2-Chloroethoxy)methane	BYF2416-BLK1	ND	mg/kg	0.10		
bis(2-Chloroethyl) ether	BYF2416-BLK1	ND	mg/kg	0.10		
bis(2-Chloroisopropyl)ether	BYF2416-BLK1	ND	mg/kg	0.10		
bis(2-Ethylhexyl)phthalate	BYF2416-BLK1	ND	mg/kg	0.20		
4-Bromophenyl phenyl ether	BYF2416-BLK1	ND	mg/kg	0.10		
4-Chloroaniline	BYF2416-BLK1	ND	mg/kg	0.10		
2-Chloronaphthalene	BYF2416-BLK1	ND	mg/kg	0.10		
4-Chlorophenyl phenyl ether	BYF2416-BLK1	ND	mg/kg	0.10		
Chrysene	BYF2416-BLK1	ND	mg/kg	0.10		
4,4'-DDD	BYF2416-BLK1	ND	mg/kg	0.10		
4,4'-DDE	BYF2416-BLK1	ND	mg/kg	0.10		
4,4'-DDT	BYF2416-BLK1	ND	mg/kg	0.10		
Dibenzo[a,h]anthracene	BYF2416-BLK1	ND	mg/kg	0.10		
Dibenzofuran	BYF2416-BLK1	ND	mg/kg	0.10		
1,2-Dichlorobenzene	BYF2416-BLK1	ND	mg/kg	0.10		
1,3-Dichlorobenzene	BYF2416-BLK1	ND	mg/kg	0.10		
1,4-Dichlorobenzene	BYF2416-BLK1	ND	mg/kg	0.10		
3,3-Dichlorobenzidine	BYF2416-BLK1	ND	mg/kg	0.20		
Dieldrin	BYF2416-BLK1	ND	mg/kg	0.10		
Diethyl phthalate	BYF2416-BLK1	ND	mg/kg	0.10		
Dimethyl phthalate	BYF2416-BLK1	ND	mg/kg	0.10		
Di-n-butyl phthalate	BYF2416-BLK1	ND	mg/kg	0.10		
2,4-Dinitrotoluene	BYF2416-BLK1	ND	mg/kg	0.10		
2,6-Dinitrotoluene	BYF2416-BLK1	ND	mg/kg	0.10		

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYF2416						
Di-n-octyl phthalate	BYF2416-BLK1	ND	mg/kg	0.10		
1,2-Diphenylhydrazine	BYF2416-BLK1	ND	mg/kg	0.10		
Endosulfan I	BYF2416-BLK1	ND	mg/kg	0.20		
Endosulfan II	BYF2416-BLK1	ND	mg/kg	0.20		
Endosulfan sulfate	BYF2416-BLK1	ND	mg/kg	0.10		
Endrin	BYF2416-BLK1	ND	mg/kg	0.20		
Endrin aldehyde	BYF2416-BLK1	ND	mg/kg	0.50		
Fluoranthene	BYF2416-BLK1	ND	mg/kg	0.10		
Fluorene	BYF2416-BLK1	ND	mg/kg	0.10		
Heptachlor	BYF2416-BLK1	ND	mg/kg	0.10		
Heptachlor epoxide	BYF2416-BLK1	ND	mg/kg	0.10		
Hexachlorobenzene	BYF2416-BLK1	ND	mg/kg	0.10		
Hexachlorobutadiene	BYF2416-BLK1	ND	mg/kg	0.10		
Hexachlorocyclopentadiene	BYF2416-BLK1	ND	mg/kg	0.10		
Hexachloroethane	BYF2416-BLK1	ND	mg/kg	0.10		
Indeno[1,2,3-cd]pyrene	BYF2416-BLK1	ND	mg/kg	0.10		
Isophorone	BYF2416-BLK1	ND	mg/kg	0.10		
2-Methylnaphthalene	BYF2416-BLK1	ND	mg/kg	0.10		
Naphthalene	BYF2416-BLK1	ND	mg/kg	0.10		
2-Naphthylamine	BYF2416-BLK1	ND	mg/kg	3.0		
2-Nitroaniline	BYF2416-BLK1	ND	mg/kg	0.10		
3-Nitroaniline	BYF2416-BLK1	ND	mg/kg	0.20		
4-Nitroaniline	BYF2416-BLK1	ND	mg/kg	0.20		
Nitrobenzene	BYF2416-BLK1	ND	mg/kg	0.10		
N-Nitrosodimethylamine	BYF2416-BLK1	ND	mg/kg	0.10		
N-Nitrosodi-N-propylamine	BYF2416-BLK1	ND	mg/kg	0.10		
N-Nitrosodiphenylamine	BYF2416-BLK1	ND	mg/kg	0.10		
Phenanthrene	BYF2416-BLK1	ND	mg/kg	0.10		
Pyrene	BYF2416-BLK1	ND	mg/kg	0.10		
1,2,4-Trichlorobenzene	BYF2416-BLK1	ND	mg/kg	0.10		
4-Chloro-3-methylphenol	BYF2416-BLK1	ND	mg/kg	0.20		
2-Chlorophenol	BYF2416-BLK1	ND	mg/kg	0.10		
2,4-Dichlorophenol	BYF2416-BLK1	ND	mg/kg	0.10		
2,4-Dimethylphenol	BYF2416-BLK1	ND	mg/kg	0.10		

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
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QC Batch ID: BYF2416

4,6-Dinitro-2-methylphenol	BYF2416-BLK1	ND	mg/kg	0.50		
2,4-Dinitrophenol	BYF2416-BLK1	ND	mg/kg	0.50		
2-Methylphenol	BYF2416-BLK1	ND	mg/kg	0.10		
3- & 4-Methylphenol	BYF2416-BLK1	ND	mg/kg	0.20		
2-Nitrophenol	BYF2416-BLK1	ND	mg/kg	0.10		
4-Nitrophenol	BYF2416-BLK1	ND	mg/kg	0.20		
Pentachlorophenol	BYF2416-BLK1	ND	mg/kg	0.20		
Phenol	BYF2416-BLK1	ND	mg/kg	0.10		
2,4,5-Trichlorophenol	BYF2416-BLK1	ND	mg/kg	0.20		
2,4,6-Trichlorophenol	BYF2416-BLK1	ND	mg/kg	0.20		
2-Fluorophenol (Surrogate)	BYF2416-BLK1	79.4	%	20 - 130 (LCL - UCL)		
Phenol-d5 (Surrogate)	BYF2416-BLK1	67.0	%	30 - 130 (LCL - UCL)		
Nitrobenzene-d5 (Surrogate)	BYF2416-BLK1	73.7	%	30 - 130 (LCL - UCL)		
2-Fluorobiphenyl (Surrogate)	BYF2416-BLK1	101	%	20 - 140 (LCL - UCL)		
2,4,6-Tribromophenol (Surrogate)	BYF2416-BLK1	80.9	%	20 - 150 (LCL - UCL)		
p-Terphenyl-d14 (Surrogate)	BYF2416-BLK1	90.2	%	30 - 150 (LCL - UCL)		

QC Batch ID: BYF2779

Acenaphthene	BYF2779-BLK1	ND	mg/kg	0.10		
Acenaphthylene	BYF2779-BLK1	ND	mg/kg	0.10		
Aldrin	BYF2779-BLK1	ND	mg/kg	0.10		
Aniline	BYF2779-BLK1	ND	mg/kg	0.20		
Anthracene	BYF2779-BLK1	ND	mg/kg	0.10		
Benzidine	BYF2779-BLK1	ND	mg/kg	3.0		
Benzo[a]anthracene	BYF2779-BLK1	ND	mg/kg	0.10		
Benzo[b]fluoranthene	BYF2779-BLK1	ND	mg/kg	0.10		
Benzo[k]fluoranthene	BYF2779-BLK1	ND	mg/kg	0.10		
Benzo[a]pyrene	BYF2779-BLK1	ND	mg/kg	0.10		
Benzo[g,h,i]perylene	BYF2779-BLK1	ND	mg/kg	0.10		
Benzoic acid	BYF2779-BLK1	ND	mg/kg	0.50		
Benzyl alcohol	BYF2779-BLK1	ND	mg/kg	0.10		
Benzyl butyl phthalate	BYF2779-BLK1	ND	mg/kg	0.10		
alpha-BHC	BYF2779-BLK1	ND	mg/kg	0.10		
beta-BHC	BYF2779-BLK1	ND	mg/kg	0.10		

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AECOM
2020 L St, Suite 400
Sacramento, CA 95811

Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYF2779						
delta-BHC	BYF2779-BLK1	ND	mg/kg	0.10		
gamma-BHC (Lindane)	BYF2779-BLK1	ND	mg/kg	0.10		
bis(2-Chloroethoxy)methane	BYF2779-BLK1	ND	mg/kg	0.10		
bis(2-Chloroethyl) ether	BYF2779-BLK1	ND	mg/kg	0.10		
bis(2-Chloroisopropyl)ether	BYF2779-BLK1	ND	mg/kg	0.10		
bis(2-Ethylhexyl)phthalate	BYF2779-BLK1	ND	mg/kg	0.20		
4-Bromophenyl phenyl ether	BYF2779-BLK1	ND	mg/kg	0.10		
4-Chloroaniline	BYF2779-BLK1	ND	mg/kg	0.10		
2-Chloronaphthalene	BYF2779-BLK1	ND	mg/kg	0.10		
4-Chlorophenyl phenyl ether	BYF2779-BLK1	ND	mg/kg	0.10		
Chrysene	BYF2779-BLK1	ND	mg/kg	0.10		
4,4'-DDD	BYF2779-BLK1	ND	mg/kg	0.10		
4,4'-DDE	BYF2779-BLK1	ND	mg/kg	0.10		
4,4'-DDT	BYF2779-BLK1	ND	mg/kg	0.10		
Dibenzo[a,h]anthracene	BYF2779-BLK1	ND	mg/kg	0.10		
Dibenzofuran	BYF2779-BLK1	ND	mg/kg	0.10		
1,2-Dichlorobenzene	BYF2779-BLK1	ND	mg/kg	0.10		
1,3-Dichlorobenzene	BYF2779-BLK1	ND	mg/kg	0.10		
1,4-Dichlorobenzene	BYF2779-BLK1	ND	mg/kg	0.10		
3,3-Dichlorobenzidine	BYF2779-BLK1	ND	mg/kg	0.20		
Dieldrin	BYF2779-BLK1	ND	mg/kg	0.10		
Diethyl phthalate	BYF2779-BLK1	ND	mg/kg	0.10		
Dimethyl phthalate	BYF2779-BLK1	ND	mg/kg	0.10		
Di-n-butyl phthalate	BYF2779-BLK1	ND	mg/kg	0.10		
2,4-Dinitrotoluene	BYF2779-BLK1	ND	mg/kg	0.10		
2,6-Dinitrotoluene	BYF2779-BLK1	ND	mg/kg	0.10		
Di-n-octyl phthalate	BYF2779-BLK1	ND	mg/kg	0.10		
1,2-Diphenylhydrazine	BYF2779-BLK1	ND	mg/kg	0.10		
Endosulfan I	BYF2779-BLK1	ND	mg/kg	0.20		
Endosulfan II	BYF2779-BLK1	ND	mg/kg	0.20		
Endosulfan sulfate	BYF2779-BLK1	ND	mg/kg	0.10		
Endrin	BYF2779-BLK1	ND	mg/kg	0.20		
Endrin aldehyde	BYF2779-BLK1	ND	mg/kg	0.50		
Fluoranthene	BYF2779-BLK1	ND	mg/kg	0.10		

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Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYF2779						
Fluorene	BYF2779-BLK1	ND	mg/kg	0.10		
Heptachlor	BYF2779-BLK1	ND	mg/kg	0.10		
Heptachlor epoxide	BYF2779-BLK1	ND	mg/kg	0.10		
Hexachlorobenzene	BYF2779-BLK1	ND	mg/kg	0.10		
Hexachlorobutadiene	BYF2779-BLK1	ND	mg/kg	0.10		
Hexachlorocyclopentadiene	BYF2779-BLK1	ND	mg/kg	0.10		
Hexachloroethane	BYF2779-BLK1	ND	mg/kg	0.10		
Indeno[1,2,3-cd]pyrene	BYF2779-BLK1	ND	mg/kg	0.10		
Isophorone	BYF2779-BLK1	ND	mg/kg	0.10		
2-Methylnaphthalene	BYF2779-BLK1	ND	mg/kg	0.10		
Naphthalene	BYF2779-BLK1	ND	mg/kg	0.10		
2-Naphthylamine	BYF2779-BLK1	ND	mg/kg	3.0		
2-Nitroaniline	BYF2779-BLK1	ND	mg/kg	0.10		
3-Nitroaniline	BYF2779-BLK1	ND	mg/kg	0.20		
4-Nitroaniline	BYF2779-BLK1	ND	mg/kg	0.20		
Nitrobenzene	BYF2779-BLK1	ND	mg/kg	0.10		
N-Nitrosodimethylamine	BYF2779-BLK1	ND	mg/kg	0.10		
N-Nitrosodi-N-propylamine	BYF2779-BLK1	ND	mg/kg	0.10		
N-Nitrosodiphenylamine	BYF2779-BLK1	ND	mg/kg	0.10		
Phenanthrene	BYF2779-BLK1	ND	mg/kg	0.10		
Pyrene	BYF2779-BLK1	ND	mg/kg	0.10		
1,2,4-Trichlorobenzene	BYF2779-BLK1	ND	mg/kg	0.10		
4-Chloro-3-methylphenol	BYF2779-BLK1	ND	mg/kg	0.20		
2-Chlorophenol	BYF2779-BLK1	ND	mg/kg	0.10		
2,4-Dichlorophenol	BYF2779-BLK1	ND	mg/kg	0.10		
2,4-Dimethylphenol	BYF2779-BLK1	ND	mg/kg	0.10		
4,6-Dinitro-2-methylphenol	BYF2779-BLK1	ND	mg/kg	0.50		
2,4-Dinitrophenol	BYF2779-BLK1	ND	mg/kg	0.50		
2-Methylphenol	BYF2779-BLK1	ND	mg/kg	0.10		
3- & 4-Methylphenol	BYF2779-BLK1	ND	mg/kg	0.20		
2-Nitrophenol	BYF2779-BLK1	ND	mg/kg	0.10		
4-Nitrophenol	BYF2779-BLK1	ND	mg/kg	0.20		
Pentachlorophenol	BYF2779-BLK1	ND	mg/kg	0.20		
Phenol	BYF2779-BLK1	ND	mg/kg	0.10		

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Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYF2779						
2,4,5-Trichlorophenol	BYF2779-BLK1	ND	mg/kg	0.20		
2,4,6-Trichlorophenol	BYF2779-BLK1	ND	mg/kg	0.20		
2-Fluorophenol (Surrogate)	BYF2779-BLK1	68.4	%	20 - 130 (LCL - UCL)		
Phenol-d5 (Surrogate)	BYF2779-BLK1	55.8	%	30 - 130 (LCL - UCL)		
Nitrobenzene-d5 (Surrogate)	BYF2779-BLK1	56.8	%	30 - 130 (LCL - UCL)		
2-Fluorobiphenyl (Surrogate)	BYF2779-BLK1	76.1	%	20 - 140 (LCL - UCL)		
2,4,6-Tribromophenol (Surrogate)	BYF2779-BLK1	59.4	%	20 - 150 (LCL - UCL)		
p-Terphenyl-d14 (Surrogate)	BYF2779-BLK1	64.0	%	30 - 150 (LCL - UCL)		

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Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Laboratory Control Sample

Table with columns: Constituent, QC Sample ID, Type, Result, Spike Level, Units, Percent Recovery, RPD, Control Limits (Percent Recovery, RPD), Lab (Quals). Includes two sections for QC Batch IDs: BYF2221 and BYF2416.

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Laboratory Control Sample

Table with columns: Constituent, QC Sample ID, Type, Result, Spike Level, Units, Percent Recovery, RPD, Control Limits (Percent Recovery, RPD), Lab (Quals). Includes two sections for QC Batch IDs: BYF2416 and BYF2779.

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
QC Batch ID: BYF2779										
Phenol	BYF2779-BS1	LCS	1.2132	1.6835	mg/kg	72.1		40 - 120		
2,4,6-Trichlorophenol	BYF2779-BS1	LCS	1.4064	1.6835	mg/kg	83.5		40 - 130		
2-Fluorophenol (Surrogate)	BYF2779-BS1	LCS	2.1348	2.6936	mg/kg	79.3		20 - 130		
Phenol-d5 (Surrogate)	BYF2779-BS1	LCS	2.0267	3.3670	mg/kg	60.2		30 - 130		
Nitrobenzene-d5 (Surrogate)	BYF2779-BS1	LCS	1.9534	3.3670	mg/kg	58.0		30 - 130		
2-Fluorobiphenyl (Surrogate)	BYF2779-BS1	LCS	2.4041	2.6936	mg/kg	89.3		20 - 140		
2,4,6-Tribromophenol (Surrogate)	BYF2779-BS1	LCS	2.2368	2.6936	mg/kg	83.0		20 - 150		
p-Terphenyl-d14 (Surrogate)	BYF2779-BS1	LCS	0.99126	1.3468	mg/kg	73.6		30 - 150		

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Table with columns: Constituent, Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Control Limits Percent Recovery, Lab Qualls. Includes QC Batch ID: BYF2221 and Used client sample: N.

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Table with columns: Constituent, Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Percent Recovery, Lab Qualls. Includes two QC batches: BYF2221 and BYF2416.

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Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Table with columns: Constituent, Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Percent Recovery, Lab Quails. Includes two sections for QC Batch IDs: BYF2416 and BYF2779.

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Project Number: 351640
Project Manager: Jim Harms

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Table with columns: Constituent, Source Type, Source Sample ID, Source Result, Result, Spike Added, Units, RPD, Percent Recovery, Control Limits RPD, Percent Recovery, Lab Qualls. Includes QC Batch ID: BYF2779 and Used client sample: N.

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Reported: 07/02/2015 16:07
Project: 5781
Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
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QC Batch ID: BYF2278

TPH - Gasoline	BYF2278-BLK1	ND	ug/L	100		
TPH - Diesel (FFP)	BYF2278-BLK1	ND	ug/L	40		
TPH - Motor Oil	BYF2278-BLK1	ND	ug/L	100		
Tetracosane (Surrogate)	BYF2278-BLK1	87.1	%	37 - 134 (LCL - UCL)		

QC Batch ID: BYF2572

TPH - Gasoline	BYF2572-BLK1	ND	mg/kg	4.0		
TPH - Diesel (FFP)	BYF2572-BLK1	ND	mg/kg	2.0		
TPH - Motor Oil	BYF2572-BLK1	ND	mg/kg	4.0		
Tetracosane (Surrogate)	BYF2572-BLK1	100	%	20 - 145 (LCL - UCL)		

QC Batch ID: BYF2628

TPH - Gasoline	BYF2628-BLK1	ND	mg/kg	4.0		
TPH - Diesel (FFP)	BYF2628-BLK1	ND	mg/kg	2.0		
TPH - Motor Oil	BYF2628-BLK1	ND	mg/kg	4.0		
Tetracosane (Surrogate)	BYF2628-BLK1	85.8	%	20 - 145 (LCL - UCL)		

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Project: 5781
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Project Manager: Jim Harms

Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab	Quals
								Percent Recovery	RPD		
QC Batch ID: BYF2278											
TPH - Diesel (FFP)	BYF2278-BS1	LCS	437.78	500.00	ug/L	87.6		52	128		
Tetracosane (Surrogate)	BYF2278-BS1	LCS	17.598	20.000	ug/L	88.0		37	134		
QC Batch ID: BYF2572											
TPH - Diesel (FFP)	BYF2572-BS1	LCS	15.366	16.667	mg/kg	92.2		64	124		
Tetracosane (Surrogate)	BYF2572-BS1	LCS	0.64201	0.66667	mg/kg	96.3		20	145		
QC Batch ID: BYF2628											
TPH - Diesel (FFP)	BYF2628-BS1	LCS	15.629	16.779	mg/kg	93.1		64	124		
Tetracosane (Surrogate)	BYF2628-BS1	LCS	0.63097	0.67114	mg/kg	94.0		20	145		

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Project Number: 351640
Project Manager: Jim Harms

Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab
								Percent Recovery	RPD	
QC Batch ID: BYF2278		Used client sample: N								
TPH - Diesel (FFP)	MS	1506890-96	ND	410.12	500.00	ug/L		82.0		50 - 127
	MSD	1506890-96	ND	431.69	500.00	ug/L	5.1	86.3	24	50 - 127
Tetracosane (Surrogate)	MS	1506890-96	ND	18.278	20.000	ug/L		91.4		37 - 134
	MSD	1506890-96	ND	19.493	20.000	ug/L	6.4	97.5		37 - 134
QC Batch ID: BYF2572		Used client sample: N								
TPH - Diesel (FFP)	MS	1513811-54	ND	13.919	16.556	mg/kg		84.1		52 - 131
	MSD	1513811-54	ND	15.457	16.722	mg/kg	10.5	92.4	30	52 - 131
Tetracosane (Surrogate)	MS	1513811-54	ND	0.60551	0.66225	mg/kg		91.4		20 - 145
	MSD	1513811-54	ND	0.64835	0.66890	mg/kg	6.8	96.9		20 - 145
QC Batch ID: BYF2628		Used client sample: N								
TPH - Diesel (FFP)	MS	1513811-56	ND	16.035	16.835	mg/kg		95.2		52 - 131
	MSD	1513811-56	ND	15.057	16.722	mg/kg	6.3	90.0	30	52 - 131
Tetracosane (Surrogate)	MS	1513811-56	ND	0.64386	0.67340	mg/kg		95.6		20 - 145
	MSD	1513811-56	ND	0.65375	0.66890	mg/kg	1.5	97.7		20 - 145

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Notes And Definitions

- MDL Method Detection Limit
- ND Analyte Not Detected
- PQL Practical Quantitation Limit
- A01 Detection and quantitation limits are raised due to sample dilution.
- A10 Detection and quantitation limits were raised due to matrix interference.
- A17 Surrogate not reportable due to sample dilution.
- A52 Chromatogram not typical of diesel.
- L01 The Laboratory Control Sample Water (LCSW) recovery is not within laboratory established control limits.
- Q02 Matrix spike precision is not within the control limits.
- S09 The surrogate recovery on the sample for this compound was not within the control limits.