OIL CONS. DIV DIST. 3

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

DEC 2 1 2015

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office to accordance with 19.15.29 NMAC.

	OPERATOR					
Name of Company Burlington Resources, a Wholly Owned Subsidiary of ConocoPhillips Company	Contact Lisa Hunter					
Address 3401 East 30th St, Farmington, NM	Telephone No. (505) 258-1607					
Facility Name: San Juan 30-6 #405 S	Facility Type: Gas Well					
Surface Owner Fee Mineral Own	er Federal (NM-03384) API No. 3003924589					
LOCAT	ION OF RELEASE					
	orth/South Line Feet from the East/West Line County South 845 West Rio Arriba					
Latitude <u>36.82</u>	805 Longitude -107.47397					
NATUI	RE OF RELEASE					
Type of Release Hydrocarbon	Volume of Release Unknown Volume Recovered None					
Source of Release Below Grade Tank (BGT) Closure	Date and Hour of Occurrence Date and Hour of Discovery					
Was Immediate Notice Given?	Unknown November 6, 2014 If YES, To Whom?					
Yes ☐ No ☒ Not Requi						
By Whom? N/A	Date and Hour N/A					
Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse.					
☐ Yes ⊠ No	N/A					
If a Watercourse was Impacted, Describe Fully.* N/A Describe Cause of Problem and Remedial Action Taken.* Below-Grade Tank Closure activities with samples taken resulting	g in constituents exceeded standards outlined by 19.15.17.13 NMAC.					
Describe Cause of Problem and Remedial Action Taken.* Below-Grade Tank Closure activities with samples taken resulting Describe Area Affected and Cleanup Action Taken.* NMOCD action levels for releases are specified in NMOCD's Guid score of 10. Historical hydrocarbon impacted soil was found approximately 16' x 10' x 10' in depth and 60 yds of soil was from Aztec Machine and placed in the excavation site. Sam levels. No further work will be performed. The final report is attended to the second of the complete regulations all operators are required to report and/or file certain releations to the environment. The acceptance of a C-141 report by	delines for Leaks, Spills and Releases and the release was assigned a ranking during the BGT closure for the subject well. The total excavation was a transported to IEI land farm and 60yds of clean soil was transported ples were collected and analytical results are below applicable NMOCD action ached for review. to the best of my knowledge and understand that pursuant to NMOCD rules and se notifications and perform corrective actions for releases which may endanger by the NMOCD marked as "Final Report" does not relieve the operator of liability					
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Q

Animas Environmental Services, LLC



May 29, 2015

Lisa Hunter ConocoPhillips San Juan Business Unit (505) 326-9786

Via electronic mail to: SJBUE-Team@ConocoPhillips.com

RE: Below Grade Tank Closure, Release Assessment, and Final Excavation Report San Juan 30-6 #405S

Rio Arriba County, New Mexico

Dear Ms. Hunter:

On November 6 and 7, 2014, Animas Environmental Services, LLC (AES) completed below grade tank (BGT) closure sampling, a release assessment, and environmental clearance of the final excavation limits at the ConocoPhillips (CoP) San Juan 30-6 #405S located in Rio Arriba County, New Mexico. The release consisted of an unknown quantity of petroleum hydrocarbons from the onsite 120 barrel (bbl) BGT. An initial release assessment was completed on November 6, 2014, and the final excavation was completed by CoP contractors while AES was on location on November 7, 2014.

1.0 Site Information

1.1 Location

Site Name – San Juan 30-6 #405S
Location – SW¼ NW¼, Section 9, T30N, R6W, Rio Arriba County, New Mexico
Well Head Latitude/Longitude – N36.82788, W107.47418
BGT/Release Location Latitude/Longitude – N36.82805, 107.47397
Land Jurisdiction – U.S. Bureau of Reclamation (BOR)
Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, November 2014

1.2 NMOCD Ranking

In accordance with New Mexico Oil Conservation Division (NMOCD) release protocols, action levels were established per NMOCD

604 W. Piñon St. Farmington, NM 87401 505-564-2281

> 1911 Main, Ste 280 Durango, CO 970-403-3084

Guidelines for Remediation of Leaks, Spills, and Releases (August 1993) prior to site work. The release was given a ranking score of 10 based on the following factors:

- Depth to Groundwater: A cathodic report form dated May 1991 for the San Juan 30-6 #403, located approximately 2,500 feet east and 60 feet lower in elevation, reported moisture at 140 feet below ground surface (bgs). (0 points)
- Wellhead Protection Area: The release location is not within a wellhead protection area. (0 points)
- Distance to Surface Water Body: Navajo Reservoir is located approximately 890 feet northeast of the location. (10 points)

1.3 Assessment

1.3.1 BGT Closure Assessment

AES was initially contacted by Steve Welch, CoP representative, on November 5, 2014, and on November 6, 2014, Stephanie Hinds and Emilee Skyles of AES traveled to the location. Soil sampling consisted of collection of five soil samples from below the BGT. Four samples were collected from the perimeter of the BGT footprint, one sample was collected from the center of the BGT footprint, and one sample was composited from the four perimeter samples and one center sample. Based on the field analytical results, a release was confirmed. Please note the BGT was 5 feet bgs.

1.3.2 Release Assessment

On the same day, AES personnel completed the release assessment field work. The assessment included collection and field sampling of 10 soil samples from four soil borings (SB-1 through SB-4). Based on field sampling results, AES recommended excavation of the release area.

1.3.3 Excavation Clearance

Based on field results and dialogue with CoP, AES returned on November 7, 2014, to the location to collect soil samples of the excavation. The field sampling activities included collection of an additional soil boring sample from SB-3, two discrete samples from an assessment trench (TH-1), as well as three confirmation composite soil samples (SC-1 through SC-3) from the east and south walls and the base of the excavation. An additional confirmation soil sample (SC-4) was composited from the samples collected from TH-1. The area of the final excavation measured approximately 16 feet by 10 by 10 feet in depth. Sample locations and final excavation extents are presented on Figure 3.

2.0 Soil Sampling

A total of 23 soil samples (S-1 through S-5, SB-1 through SB-4, and TH-1) and 5 composite samples (BGT SC-1 and SC-1 through SC-4) were collected during the BGT closure assessment, release assessment, and excavation clearance. All soil samples were field screened for volatile organic compounds (VOCs), and selected samples were analyzed for total petroleum hydrocarbon (TPH). All composite samples (BGT SC-1 and SC-1 through SC-4) collected were submitted for confirmation laboratory analysis.

2.1 Field Sampling

2.1.1 Volatile Organic Compounds

Field screening for VOC vapors was conducted with a photo-ionization detector (PID) organic vapor meter (OVM). Before beginning field screening, the PID-OVM was first calibrated with 100 parts per million (ppm) isobutylene gas.

2.1.2 Total Petroleum Hydrocarbons

Soil samples were also analyzed in the field for TPH per U.S. Environmental Protection Agency (USEPA) Method 418.1 using a Buck Scientific Model HC-404 Total Hydrocarbon Analyzer Infrared Spectrometer (Buck). A 3-point calibration was completed prior to conducting soil analyses. Field analytical protocol followed AES's Standard Operating Procedure: Field Analysis Total Petroleum Hydrocarbons per EPA Method 418.1.

2.1.3 Chlorides

Soil sample SC-1 was field screened for chlorides using Chloride Drop Count Titration with silver nitrate. Sampling and analysis methods followed procedures provided by Hach Company.

2.2 Laboratory Analyses

The soil samples collected for laboratory analysis were placed into new, clean, laboratory-supplied containers, which were then labeled, placed on ice, and logged onto sample chain of custody records. Samples were maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall) in Albuquerque, New Mexico. Soil sample SB-3 and composite samples BGT SC-1 and SC-1 through SC-4 were laboratory analyzed for:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per USEPA Method 8021B;
 and
- TPH for gasoline range organics (GRO) and diesel range organics (DRO) per USEPA Method 8015D.

In addition, soil sample BGT SC-1 was laboratory analyzed for:

Chloride per USEPA Method 300.0.

2.3 Field and Laboratory Analytical Results

2.3.1 BGT Closure Assessment

On November 6, 2014, BGT closure field screening results for VOCs via OVM ranged from 0.0 ppm in S-1, S-3, SC-4, S-5, and SC-1 up to 0.7 ppm in S-2. Field TPH concentrations ranged from 93.1 mg/kg in S-5 up to greater than 2,500 mg/kg in S-1.

2.3.2 Release Assessment

On the same day, initial assessment field screening readings for VOCs via OVM were measured at 0.0 ppm in all samples. Field TPH concentrations ranged from less than 20.0 mg/kg in SB-3 to greater than 2,500 mg/kg in SB-4.

2.3.3 Excavation Clearance

On November 7, 2014, final excavation clearance field screening results for VOCs via OVM were recorded at 0.0 ppm in all samples. Field TPH concentrations ranged from less than 20.0 mg/kg in SC-3 and TH-1 to greater than 2,500 mg/kg in SC-1. Field screening VOCs and TPH results are summarized in Table 1 and on Figures 2 and 3. The AES field sampling reports are attached.

Table 1. Soil Field Sampling VOCs, TPH, and Chloride Results
San Juan 30-6 #405S BGT Closure, Release Assessment and Final Excavation

Sample ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)	TPH 418.1 (mg/kg)	Field Chlorides (mg/kg)	
NMO	CD Action Lev	rel*	NE/100	100/1,000	250/NE	
S-1	11/6/14	0.5	0.0	>2,500	NA	
S-2	11/6/14	0.5	0.7	96.7	NA	
S-3	11/6/14	0.5	0.0	2,070	NA	
S-4	11/6/14	0.5	0.0	371	NA	
S-5	11/6/14	0.5	0.0	93.1	NA	
BGT SC-1	11/6/14	0.5	0.0	NA	80	
CD 1	11/5/11	6	0.0	145	NA	
SB-1	11/6/14	8	0.0	613	NA	
SB-2	11/6/14	5	0.0	24.4	NA	

Sample ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)	TPH 418.1 (mg/kg)	Field Chlorides (mg/kg)
NMO	CD Action Lev	rel*	NE/100	100/1,000	250/NE
		6	NA	52.6	NA
		8	NA	22.8	NA
		5	NA	<20.0	NA
CD 2	11/6/14	6	NA	22.0	NA
SB-3		8	0.0	35.5	NA
	11/7/14	10	0.0	20.1	NA
CD 4	11/6/11	6	NA	>2,500	NA
SB-4	11/6/14 -	8	NA	1,350	NA
SC-1	11/7/14	10	0.0	>2,500	NA
SC-2	11/7/14	5 to 10	0.0		
SC-3	11/7/14	5 to 10	0.0	<20.0	NA
SC-4	11/7/14	5 to 10	NA	NA	NA
TU 1	11/7/14	5	NA	<20.0	NA
TH-1	11/7/14 -	10	0.0	<20.0	NA

NA - not analyzed

NE - not established

Laboratory analysis of sample BGT SC-1 was used to confirm field sampling results from the BGT closure. Laboratory analytical results reported benzene and total BTEX concentrations below laboratory detection limits, the TPH concentration as 640 mg/kg, and the chloride concentration as 9.2 mg/kg.

Laboratory analyses for SB-3 and SC-1 through SC-4 were used to confirm field sampling results from the final excavation extents. Benzene and total BTEX concentrations were reported below laboratory detection limits in all samples. Total TPH concentrations ranged from below laboratory detection limits in SB-3, SC-3, and SC-4, up to 200 mg/kg in SC-1. Results are summarized in Table 2 and included on Figures 2 and 3. Laboratory analytical reports are attached.

Table 2. Soil Laboratory Analytical Results – Benzene, Total BTEX, TPH, and Chlorides San Juan 30-6 #405S BGT Closure, Release Assessment, and Final Excavation November 2014

^{*}Action level determined by the NMOCD ranking score per NMOCD Guidelines for Remediation of Leaks, Spills, and Releases (August 1993) and NMAC 19.15.17.13E.

Sample ID	Date Sampled	Sample Depth (ft bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH- GRO (mg/kg)	TPH- DRO (mg/kg)	Chlorides (mg/kg)
NMOCD Action Level*			0.2/10	50	100	/1,000	250/NE
BGT SC-1	11/6/14	0.5	<0.048	<0.240	<4.8	640	9.2
SB-3	11/7/14	10	<0.046	<0.230	<4.6	<10	NA
SC-1	11/7/14	10	<0.034	<0.170	<3.4	200	NA
SC-2	11/7/14	5 to 10	<0.048	<0.241	<4.8	92	NA
SC-3	11/7/14	5 to 10	<0.046	<0.230	<4.6	<10	NA
SC-4	11/7/14	5 to 10	<0.049	<0.245	<4.9	<10	NA

NA - not analyzed

NE - not established

3.0 Conclusions and Recommendations

On November 6 and 7, 2014, AES conducted a BGT closure and assessment of petroleum contaminated soils at the San Juan 30-6 #405S. NMOCD action levels for BGT closures are specified in New Mexico Administrative Code (NMAC) 19.15.17.13E. Action levels for releases are determined by the NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), and the site was assigned a rank of 10.

Field BGT closure sampling TPH results on November 6, 2014, were above the NMOCD action level of 100 mg/kg in S-1, S-3, and S-4, with greater than 2,500 mg/kg, 2,070 mg/kg, and 371 mg/kg, respectively. Laboratory results for BGT SC-1 were reported at 640 mg/kg for TPH. Chloride concentrations in BGT SC-1 were reported below the NMOCD action level of 250 mg/kg. Based on field concentrations, a release was confirmed.

On November 6, 2014, release assessment field sampling results above the NMOCD action level of 100 ppm VOCs and 1,000 mg/kg TPH were reported in SB-4. All VOC concentrations were reported at 0.0 ppm, and the highest TPH concentration was reported in SB-4 with concentrations greater than 2,500 mg/kg. Excavation of the release area was recommended.

On November 7, 2014, final excavation of the impacted area was completed. Field sampling results of the excavation extents showed that VOC concentrations were below

^{*}Action level determined by the NMOCD ranking score per NMOCD Guidelines for Remediation of Leaks, Spills, and Releases (August 1993) and NMAC 19.15.17.13E.

applicable NMOCD action levels for TH-1 and the final walls and base of the excavation. Field TPH concentrations were below the applicable NMOCD action level of 1,000 mg/kg for TH-1 and the final walls and base of the excavation, with the exception of SC-1 (base) which had a TPH concentration of greater than 2,500 mg/kg. However, laboratory analytical results reported benzene, total BTEX, and TPH (as GRO/DRO) concentrations in all samples below NMOCD action levels.

Based on the final field sampling and laboratory analytical results of the excavation of petroleum contaminated soils at the San Juan 30-6 #405S, VOCs, benzene, total BTEX, and TPH concentrations were below the applicable NMOCD action levels for the final sidewalls and base of the excavation. No further work is recommended.

If you have any questions about this report or site conditions, please do not hesitate to contact Emilee Skyles at (505) 564-2281.

Sincerely,

Emilee Skyles

Shih ShL

Staff Geologist

Elizabeth McNally, PE

Elizabeth V MeNdly

Attachments:

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, November 2014

Figure 3. Release Assessment and Excavation Sample Locations and Results,
November 2014

AES Field Sampling Report 110614—BGT Closure

AES Field Sampling Report 110614—Release Assessment

AES Field Sampling Report 110714

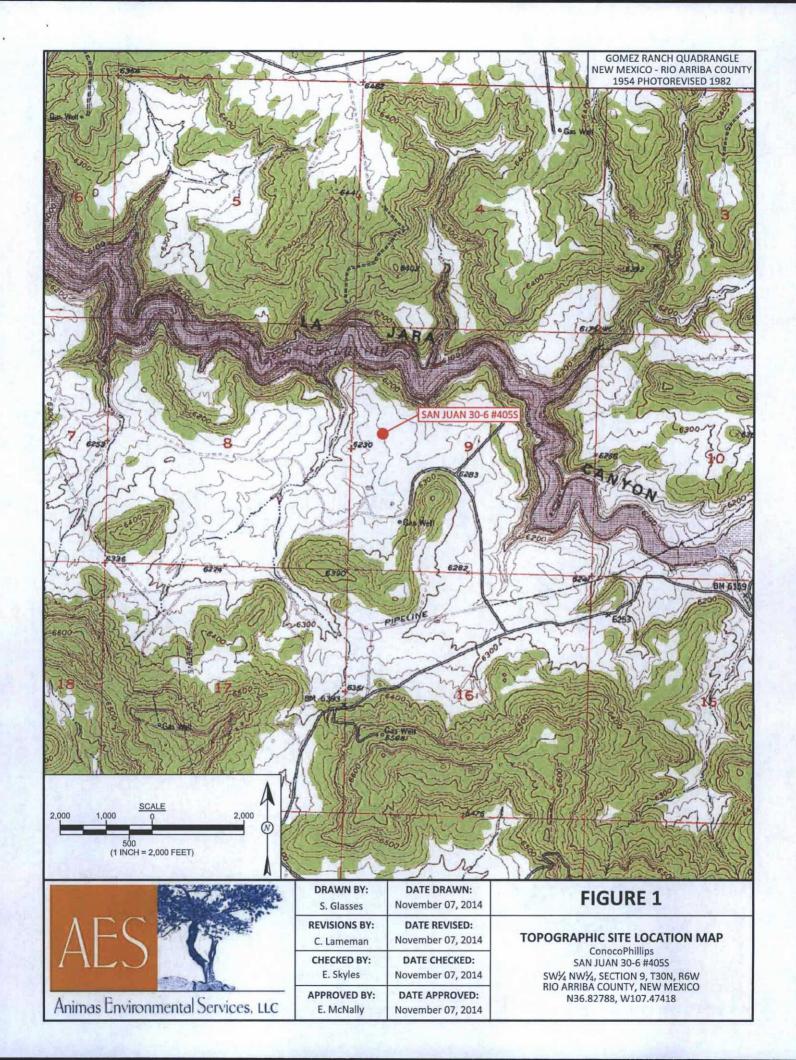
Hall Laboratory Analytical Report 1411329

Hall Laboratory Analytical Report 1411337

Hall Laboratory Analytical Report 1411340

Lisa Hunter San Juan 30-6 #405S BGT Closure, Release Assessment, and Final Excavation Report May 29, 2015 Page 8 of 8

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SAMPLE LOCATIONS

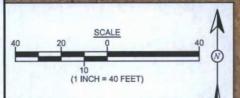
	Field Sar	mpling R	esults		
Sample ID	Date	OVM- PID (ppm)	TPH (mg/kg)	Chlorides (mg/kg)	
NMOCD ACTION LEVEL		-	100	250	
S-1	11/6/14	0.0	>2,500	NA	
5-2	11/6/14	0.7	96.7	NA	
S-3	11/6/14	0.0	2,070	NA	
5-4	11/6/14	0.0	371	NA	
S-5	11/6/14	0.0	93.1	NA	
BGT SC-1	11/6/14	0.0	NA	80	

BGT SC-1 IS A 5-POINT COMPOSITE SAMPLE OF S-1 THROUGH S-5. NA - NOT ANALYZED

		Laborato	ry Analytic	al Results		
Sample ID	Date	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)	Chlorides (mg/kg)
NMOCD ACTION LEVEL		0.2	50	1	00	250
BGT SC-1	11/6/14	<0.048	<0.240	<4.8	640	9.2
CANADIEMAA	ANALYZED	DED LICEDA	METHOD	021D 001E	D AND SOO	1

BGT - N36.82805 W107.47397

SAN JUAN 30-6 #405S MONUMENT



AERIAL SOURCE: © 2014 GOOGLE EARTH PRO, AERIAL DATE: MAY 2, 2013

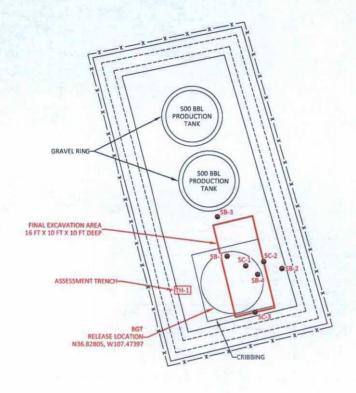
VEC	
ALS	
Animas Environi	mental Services, LLC

	DRAWN BY: S. Glasses	DATE DRAWN: November 07, 2014
l	REVISIONS BY: C. Lameman	DATE REVISED: November 07, 2014
	CHECKED BY: E. Skyles	DATE CHECKED: November 07, 2014
I	APPROVED BY:	DATE APPROVED: November 07, 2014

FIGURE 2 AERIAL SITE MAP BELOW GRADE TANK CLOSURE

ConocoPhillips SAN JUAN 30-6 #405S SW¼ NW¼, SECTION 9, T30N, R6W RIO ARRIBA COUNTY, NEW MEXICO N36.82788, W107.47418

NOVEMBER 2014



SEPARATOR

SAN JUAN 30-6 #405S MONUMENT-

Sample ID	Date	Depth (ft)	OVM- PID (ppm)	TPH (mg/kg
NI	MOCD ACTIO	N LEVEL	100	1,000
SB-1	11/6/2014	6	0.0	145
2B-1	11/6/2014 11/6/14 11/6/14 11/7/14	8	0.0	613
		5	0.0	24.4
SB-2	11/6/14	6	NA	52.6
		8	NA	22.8
SB-3	11/6/14	5	NA	<20.0
		6	NA	22.0
		8	0.0	35.5
	11/7/14	10	0.0	20.1
SB-4	101.00	6	NA	>2,500
38-4	11/0/2014	8	NA	1,350
SC-1	11/7/14	10	0.0	>2,500
SC-2	11/7/14	5 to 10	0.0	449
SC-3	11/7/14	5 to 10	0.0	<20.0
SC-4	11/7/14	5 to 10	NA	NA
TH-1	11/7/14	5	NA	<20.0
111-1	11///14	10	0.0	<20.0

		Laborator	y Analytica	Results		
Sample ID	Date	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)
NMOCD ACTION LEVEL			10	50	1,0	000
SB-3	11/7/14	10	< 0.046	<0.230	<4.6	<10
SC-1	11/7/14	10	< 0.034	< 0.170	<3.4	200
SC-2	11/7/14	5 to 10	<0.048	<0.241	<4.8	92
SC-3	11/7/14	5 to 10	<0.046	<0.230	<4.6	<10
SC-4	11/7/14	5 to 10	< 0.049	< 0.245	<4.9	<10

SC-1 THROUGH SC-3 WERE COMPOSITE SAMPLES. SC-4 IS A COMPOSITE OF TH-1
AT 5 AND 10 FEET. ALL SAMPLES WERE ANALYZED PER USEPA METHOD 8021B
AND 8015D.

FIGURE 3

RELEASE ASSESSMENT AND EXCAVATION SAMPLE LOCATIONS AND RESULTS NOVEMBER 2014

Conocophillips
SAN JUAN 30-6 #405S
SW¼, NW¼, SECTION 9, T30N, R6W
RIO ARRIBA COUNTY, NEW MEXICO
N36.82788, W107.47418



Animas Environmental Services, LLC

DATE DRAWN:
November 7, 2014
DATE REVISED:
November 7, 2014
DATE CHECKED:
November 7, 2014
DATE APPROVED:
November 7, 2014

LEGEND

SAMPLE LOCATIONS

SECONDARY CONTAINMENT BERM

-x - FENCE



AES Field Sampling Report

Animas Environmental Services, LLC AES AES

Client: ConocoPhillips

Project Location: San Juan 30-6 #405S

Date: 11/6/2014

Matrix: Soil

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	Field Chloride (mg/kg)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
S-1	11/6/2014	12:50	North	0.0	NA	>2,500	13:22	20.0	1	EMS
S-2	11/6/2014	12:52	South	0.7	NA	96.7	13:24	20.0	1	EMS
S-3	11/6/2014	12:54	East	0.0	NA	2,075	13:27	20.0	1	EMS
S-4	11/6/2014	12:56	West	0.0	NA	371	13:29	20.0	1	EMS
S-5	11/6/2014	12:58	Center	0.0	NA	93.1	13:30	20.0	1	EMS
SC-1	11/6/2014	13:20	Composite	0.0	80	Not Analyzed for TPH				

DF

Dilution Factor

NA

Not Analyzed

PQL

Practical Quantitation Limit

*Field TPH concentrations recorded may be below PQL.

Field Chloride - Quantab Chloride Titrators or Drop Count

Titration with Silver Nitrate

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst:

Shih ShL

Client: ConocoPhillips

Project Location: San Juan 30-6 #405S

Date: 11/6/2014

Matrix: Soil

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SB-1 @ 6'	11/6/2014	14:15	0.0	145	14:35	20.0	1	SAH
SB-1 @ 8'	11/6/2014	14:18	0.0	613	14:38	20.0	1	SAH
SB-2 @ 5'	11/6/2014	14:22	0.0	24.4	14:42	20.0	1	SAH
SB-2 @ 6'	11/6/2014	15:10	NA	52.6	15:25	20.0	1	SAH
SB-2 @ 8'	11/6/2014	15:48	NA	22.8	16:02	20.0	1	SAH
SB-3 @ 5'	11/6/2014	14:44	NA	19.5	15:04	20.0	1	SAH
SB-3 @ 6'	11/6/2014	14:48	NA	22.0	15:09	20.0	1	SAH
SB-3 @ 8'	11/6/2014	14:52	0.0	35.5	15:17	20.0	1	SAH
SB-4 @ 6'	11/6/2014	14:55	NA	>2,500	15:14	20.0	1	SAH
SB-4 @ 8'	11/6/2014	15:25	NA	1,347	15:41	20.0	1	SAH

DF

Dilution Factor

NA

Not Analyzed

Total Petroleum Hydrocarbons - USEPA 418.1 Analyst: Alylanie A. Hinds

PQL

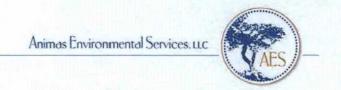
Practical Quantitation Limit

*Field TPH concentrations recorded may be below PQL.

Page 1

Report Finalized: 11/6/14

AES Field Sampling Report



Client: ConocoPhillips

Project Location: San Juan 30-6 #405S

Date: 11/7/2014

Matrix: Soil

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SB-3 @ 10'	11/7/2014	12:45	0.0	20.1	13:07	20.0	1	SAH
SC-1	11/7/2014	11:30	0.0	>2,500	11:42	20.0	1	SAH
SC-2	11/7/2014	12:15	0.0	449	12:29	20.0	1	SAH
SC-3	11/7/2014	12:22	0.0	9.3	12:39	20.0	1	SAH
SC-4	11/7/2014	12:50	NA		Not A	Analyzed for TF	PH	
TH-1 @ 5'	11/7/2014	12:32	NA	16.1	12:49	20.0	1	SAH
TH-1 @ 10'	11/7/2014	12:36	0.0	17.4	12:51	20.0	1	SAH

DF

Dilution Factor

Total Petroleum Hydrocarbons - USEPA 418.1

NA

Not Analyzed

PQL

Practical Quantitation Limit

Analyst: Alylanie A. Hinds

*TPH concentrations recorded may be below PQL.



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

November 12, 2014

Emilee Skyles Animas Environmental 604 Pinon Street Farmington, NM 87401 TEL: (505) 564-2281

FAX

RE: COP SJ 30-6 #405S

OrderNo.: 1411329

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 1 sample(s) on 11/8/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

Only

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1411329

Date Reported: 11/12/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Project: COP SJ 30-6 #405S

Lab ID: 1411329-001

Client Sample ID: SC-1

Collection Date: 11/7/2014 11:30:00 AM

Received Date: 11/8/2014 10:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS					Analyst:	JME
Diesel Range Organics (DRO)	200	100		mg/Kg	10	11/10/2014 2:14:03 PM	16305
Surr: DNOP	0	63.5-128	S	%REC	10	11/10/2014 2:14:03 PM	16305
EPA METHOD 8015D: GASOLINE RA	NGE					Analyst:	NSB
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	11/10/2014 10:15:56 AM	R22439
Surr: BFB	97.3	80-120		%REC	1	11/10/2014 10:15:56 AM	1 R22439
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	ND	0.034		mg/Kg	1	11/10/2014 10:15:56 AM	1 R22439
Toluene	ND	0.034		mg/Kg	1	11/10/2014 10:15:56 AM	1 R22439
Ethylbenzene	ND	0.034		mg/Kg	1	11/10/2014 10:15:56 AM	R22439
Xylenes, Total	ND	0.068		mg/Kg	1	11/10/2014 10:15:56 AM	R22439
Surr: 4-Bromofluorobenzene	123	80-120	S	%REC	1	11/10/2014 10:15:56 AM	1 R22439

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDImit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 1 of 4

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

1411329

12-Nov-14

Client:

Animas Environmental

Project:

COP SJ 30-6 #405S

Sample ID MB-16305	Sampl	ype: MI	BLK	Tes	tCode: El	PA Method	8015D: Dies	el Range (Organics	
Client ID: PBS	Batcl	Batch ID: 16305 RunNo:				2412				
Prep Date: 11/10/2014	Analysis E	Date: 1	1/10/2014	SeqNo: 660791			Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10						11/2		
Surr: DNOP	7.8		10.00		77.7	63.5	128	12.00		1
Sample ID LCS-16305	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Dies	el Range (Organics	
Client ID: LCSS	Batcl	h ID: 16	305	F	RunNo: 2	2412				
Prep Date: 11/10/2014	Analysis D	Date: 1	1/10/2014		SeqNo: 6	60792	Units: mg/F	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.8	68.6	130		4-5-1	TRA.
Surr DNOP	3.6		5,000		714	63.5	128			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Page 2 of 4

Hall Environmental Analysis Laboratory, Inc.

WO#: 1411329

12-Nov-14

Client: Animas Environmental
Project: COP SJ 30-6 #405S

Sample ID 5ML RB SampType: MBLK				Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	е			
Client ID: PBS	Batcl	h ID: R	22439	F	RunNo: 2	22439						
Prep Date:	Analysis D	Date: 1	1/10/2014		SeqNo: 6	661771	Units: mg/h	g/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Range Organics (GRO)	ND	5.0	1 324 1				11-12	-		A TOP		
Surr: BFB	880		1000		88.4	80	120					
Sample ID 2.5UG GRO LCS	SampT	ype: LC	s	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	е	ten 3		
Client ID: LCSS	Batcl	h ID: R2	22439	F	RunNo: 2	22439						
Prep Date:	Analysis D	Date: 1	1/10/2014	5	SeqNo: 6	661772	Units: mg/F	(g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
0! D (ODO)	24	5.0	25.00	0	95.4	65.8	139		1000	11-11		
Gasoline Range Organics (GRO)												

Samp ry	pe: M	5	res	(Code: E	PA Method	8015D: Gaso	oline Rang	е	
Batch I	D: R2	22439	F	RunNo: 2	2439				
Analysis Da	te: 1	1/10/2014	8	SeqNo: 6	61797	Units: mg/k	ζg		
Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
15	3.4	17.10	0	88.3	71.8	132			7-17
710		684.0		104	80	120			
	Batch Analysis Da Result	Batch ID: R2 Analysis Date: 1 Result PQL 15 3.4	Batch ID: R22439 Analysis Date: 11/10/2014 Result PQL SPK value 15 3.4 17.10	Batch ID: R22439 F Analysis Date: 11/10/2014 S Result PQL SPK value SPK Ref Val 15 3.4 17.10 0	Batch ID: R22439 RunNo: 2 Analysis Date: 11/10/2014 SeqNo: 6 Result PQL SPK value SPK Ref Val %REC 15 3.4 17.10 0 88.3	Batch ID: R22439 RunNo: 22439 Analysis Date: 11/10/2014 SeqNo: 661797 Result PQL SPK value SPK Ref Val %REC LowLimit 15 3.4 17.10 0 88.3 71.8	Batch ID: R22439 RunNo: 22439 Analysis Date: 11/10/2014 SeqNo: 661797 Units: mg/H Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit 15 3.4 17.10 0 88.3 71.8 132	Batch ID: R22439 RunNo: 22439 Analysis Date: 11/10/2014 SeqNo: 661797 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD 15 3.4 17.10 0 88.3 71.8 132	Batch ID: R22439 RunNo: 22439 Analysis Date: 11/10/2014 SeqNo: 661797 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit 15 3.4 17.10 0 88.3 71.8 132

Sample ID 1	1411329-001AMSD	SampTyp	e: M	SD	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID:	SC-1	Batch II): R2	2439	F	RunNo: 2	2439				
Prep Date:		Analysis Date: 11/10/2014			8	SeqNo: 6	61806	Units: mg/K			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	Organics (GRO)	15	3.4	17.10	0	87.7	71.8	132	0.682	20	
Surr RER		630		684.0		91.8	80	120	0	0	

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Page 3 of 4

Hall Environmental Analysis Laboratory, Inc.

1.1

1.1

1.1

3.4

1.1

0.050

0.050

0.050

0.10

1.000

1.000

1.000

3.000

1.000

WO#:

1411329

12-Nov-14

Client:

Animas Environmental

Project:

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Surr: 4-Bromofluorobenzene

COP SJ 30-6 #405S

Sample ID 5ML RB Client ID: PBS		ype: ME		Tes	tiles					
Prep Date:	Analysis Date: 11/10/2014				SeqNo: 6		Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050						HE	The state of	
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120		16. 1 July	
Sample ID 100NG BTEX LCS	Samp	ype: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles	7	
Client ID: LCSS	Batcl	ID: R2	2439	F	RunNo: 2	2439				
Prep Date:	Analysis D	ate: 11	1/10/2014	8	SeqNo: 6	61845	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

0

0

0

106

108

111

112

109

80

80

80

80

80

120 120

120

120

120

Ona	lifi	ers

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
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- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Page 4 of 4



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Animas Environmental Work Order Nu	mber: 1411329		RcptNo: 1
Received by/date: # 11/08/14			
Logged By: Anne Thorne 11/8/2014 10:20:	00 AM	anne Sham	
Completed By: Anne Thorne 11/10/2014		Om H	
Reviewed By:	(- Lame Je	
Chain of Custody	1		
Custody seals intact on sample bottles?	Yes	No 🗆	Not Present 🗹
2. Is Chain of Custody complete?	Yes 🗹	No 🗆	Not Present
3. How was the sample delivered?	Courier		
Log In			
Was an attempt made to cool the samples?	Yes 🗹	No 🗆	NA 🗆
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🗹	No 🗆	NA 🗆
6. Sample(s) in proper container(s)?	Yes 🗹	No 🗆	
7. Sufficient sample volume for indicated test(s)?	Yes 🗹	No 🗆	
8. Are samples (except VOA and ONG) properly preserved?	Yes 🗸	No 🗆	
9. Was preservative added to bottles?	Yes	No 🗹	NA 🗆
10.VOA vials have zero headspace?	Yes 🗌	No 🗆	No VOA Vials ✓
11. Were any sample containers received broken?	Yes	No 🗹	
			# of preserved bottles checked
12. Does paperwork match bottle labels?	Yes 🗹	No 🗆	for pH: (<2 or >12 unless note
(Note discrepancies on chain of custody) 13. Are matrices correctly identified on Chain of Custody?	Yes 🗸	No 🗆	Adjusted?
14. Is it clear what analyses were requested?	Yes 🗹	No 🗆	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗹	No 🗆	Checked by:
Special Handling (if applicable)		ш. П	57
16. Was client notified of all discrepancies with this order?	Yes 🗌	No 🗆	NA 🗹
Person Notified: D	ate		
	ia: eMail l	Phone Fax	☐ In Person
Regarding:		**** C. T. T	La Barbar al Barbar Albar Alba
Client Instructions:	and the control of the size between the control of	ed deed he are considered been	- Antonia processor processor and an antonia and a second
17. Additional remarks:			
18. Cooler Information			
Cooler No Temp °C Condition Seal Intact Seal N	o Seal Date	Signed By	
1 4.3 Good Yes			

Mailing Phone i email or	Address Fa #: (50 Fax#: e	604 L SMMgto SKyles (stody Record mental Services U. Pinau St. m. NM 87401 L- 27281 a animas environmental. com Level 4 (Full Validation)	Project #:	为 Rush 3 30 – 6 ≠ ger:	Same day		Www.hall 4901 Hawkins NE - Tel. 505-345-3975 AIWS)						Anions (F,Ci,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄) Rost Pesticides / 8082 PCB's Rost Pesticides / 8082 PCB's Rost Posticides / 8082 PCB'						
Accredi		□ Other		Sampler: E	. Skyles DeYes	E No		TARB	THE !	£.	14.1	8270 8		3,NO2,	/ 8082		7			2 Z
□ EDD					perature: 4			196	TBE +	3 GR od 41	od 50	10 or 8	etals	CI,NO	cides	(A)	-VO			3 (Y o
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	Marie A Marie A Marie Minos	BTEX +-MTBE	STEX + M	TPH 8015B (GROX) TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or	RCRA 8 Metals	Anions (F,	8081 Pesticides / 8082	8260B (VOA)	8270 (Semi-VOA)			Air Bubbles (Y or N)
rith	11:30	Soil)	Sc-I	MEDH KIT	Medy Cool	-70		X		*								1	+	
							2 4													
Date:	Time:	Relinquishe	ed by:	Received by:	Lihada	Date Time	010	Rem	arks:	Biu 10367	to (onoca	Pu	Eleps						
Date:	Time:	Relinquishe samples subn	ed by:	Received by:	Scredited laboratori	1/8/14	10:2	ARE	A: DEREA	8 0 BY :	St	_	_	clear	ly note	ted on	the ar	ralytical	report	



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

November 13, 2014

Emilee Skyles Animas Environmental 604 Pinon Street Farmington, NM 87401 TEL: (505) 564-2281 FAX

RE: CoP SJ 30-6 #405 S OrderNo.: 1411337

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 1 sample(s) on 11/8/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1411337

Date Reported: 11/13/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Project: CoP SJ 30-6 #405 S

Lab ID: 1411337-001

Client Sample ID: BGT SC-1

Collection Date: 11/6/2014 1:20:00 PM

Received Date: 11/8/2014 10:20:00 AM

Analyses	Result	RL	Qual 1	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS					Analyst:	BCN
Diesel Range Organics (DRO)	640	99		mg/Kg	10	11/12/2014 10:10:25 PM	16308
Surr: DNOP		-		%REC	10	11/12/2014 10:10:25 PM	16308
EPA METHOD 8015D: GASOLINE RA	NGE					Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/11/2014 6:19:07 PM	16320
Surr: BFB	92.6	80-120		%REC	1	11/11/2014 6:19:07 PM	16320
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	ND	0.048		mg/Kg	1	11/11/2014 6:19:07 PM	16320
Toluene	ND	0.048		mg/Kg	1	11/11/2014 6:19:07 PM	16320
Ethylbenzene	ND	0.048		mg/Kg	1	11/11/2014 6:19:07 PM	16320
Xylenes, Total	ND	0.096		mg/Kg	1	11/11/2014 6:19:07 PM	16320
Surr: 4-Bromofluorobenzene	96.9	80-120		%REC	1	11/11/2014 6:19:07 PM	16320
EPA METHOD 300.0: ANIONS						Analyst:	LGP
Chloride	9.2	7.5		mg/Kg	5	11/11/2014 12:44:07 PM	16341

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 1 of 5

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

1411337

13-Nov-14

Client: Project: Animas Environmental

CoP SJ 30-6 #405 S

Sample ID MB-16341

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 16341

RunNo: 22478

Prep Date: 11/11/2014

Sample ID LCS-16341

Analysis Date: 11/11/2014

SeqNo: 662481

Units: mg/Kg

Qual

Analyte Chloride

Result

ND 1.5

SPK value SPK Ref Val %REC LowLimit HighLimit %RPD

RPDLimit

SampType: LCS Batch ID: 16341 TestCode: EPA Method 300.0: Anions

RunNo: 22478

Units: mg/Kg

HighLimit

RPDLimit

Qual

Analyte

Prep Date: 11/11/2014

Analysis Date: 11/11/2014 PQL SPK value SPK Ref Val %REC

%RPD

1.5

90

Chloride

Client ID: LCSS

15.00

91.1

SeqNo: 662482

110

Result 14

Qualifiers:

S

Value exceeds Maximum Contaminant Level.

Value above quantitation range E

Analyte detected below quantitation limits

0 RSD is greater than RSDlimit

R RPD outside accepted recovery limits

Spike Recovery outside accepted recovery limits

Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

Sample pH greater than 2.

Reporting Detection Limit RL

Page 2 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: 1

1411337 13-Nov-14

Client:

Animas Environmental

Project:

CoP SJ 30-6 #405 S

Sample ID MB-16308	SampType: MBLK	TestCode: EPA Method	8015D: Diesel Range Or	ganics
Client ID: PBS	Batch ID: 16308	RunNo: 22457		
Prep Date: 11/10/2014	Analysis Date: 11/11/2014	SeqNo: 661933	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Diesel Range Organics (DRO)	ND 10		1 5	
Surr: DNOP	9.2 10.00	91.9 63.5	128	
Sample ID LCS-16308	SampType: LCS	TestCode: EPA Method	8015D: Diesel Range Or	ganics
Client ID: LCSS	Batch ID: 16308	RunNo: 22457		
Prep Date: 11/10/2014	Analysis Date: 11/11/2014	SeqNo: 661934	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Diesel Range Organics (DRO)	52 10 50.00	0 104 68.6	130	
Surr: DNOP	4.0 5.000	80.7 63.5	128	San San
Sample ID MB-16334	SampType: MBLK	TestCode: EPA Method	8015D: Diesel Range Or	ganics
Client ID: PBS	Batch ID: 16334	RunNo: 22488		
Prep Date: 11/11/2014	Analysis Date: 11/12/2014	SeqNo: 663176	Units: %REC	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Surr: DNOP	9.6 10.00	96.2 63.5	128	
Sample ID LCS-16334	SampType: LCS	TestCode: EPA Method	8015D: Diesel Range Or	ganics
Client ID: LCSS	Batch ID: 16334	RunNo: 22488		
Prep Date: 11/11/2014	Analysis Date: 11/12/2014	SeqNo: 663181	Units: %REC	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Surr: DNOP	4.7 5.000	93.2 63.5	128	A SALES OF A

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

26

1000

5.0

WO#:

1411337

13-Nov-14

Client: Project:

Analyte

Surr: BFB

Gasoline Range Organics (GRO)

Animas Environmental CoP SJ 30-6 #405 S

TestCode: EPA Method 8015D: Gasoline Range Sample ID MB-16320 SampType: MBLK Client ID: PBS Batch ID: 16320 RunNo: 22464 Prep Date: 11/10/2014 Analysis Date: 11/11/2014 SeqNo: 662399 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 920 1000 92.1 80 120 Sample ID LCS-16320 TestCode: EPA Method 8015D: Gasoline Range SampType: LCS Client ID: LCSS Batch ID: 16320 RunNo: 22464 Prep Date: 11/10/2014 Analysis Date: 11/11/2014 SeqNo: 662400 Units: mg/Kg

%REC

104

103

LowLimit

65.8

80

HighLimit

139

120

%RPD

RPDLimit

Qual

SPK value SPK Ref Val

25.00

1000

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: 1

1411337 13-Nov-14

Client:

Animas Environmental

Project:

CoP SJ 30-6 #405 S

Sample ID I	MB-16320	Samp	Гуре: МЕ	BLK	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID:	PBS	Batc	h ID: 16	320	F	RunNo: 2	2464				
Prep Date:	11/10/2014	Analysis [Date: 11	1/11/2014		SeqNo: 6	62527	Units: mg/h	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.050						-		ic, he is
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Bromo	ofluorobenzene	0.97	= 1	1.000		97.3	80	120	The same	The same	
Sample ID I	LCS-16320	Samp	Гуре: LC	s	Tes	tCode: E	PA Method	8021B: Vola	tiles	an T	
Client ID: I	LCSS	Batc	h ID: 16	320	F	RunNo: 2	2464				
Prep Date:	11/10/2014	Analysis [Date: 11	1/11/2014	5	SeqNo: 6	62528	Units: mg/h	(g		
Analyte	4.1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.0	0.050	1.000	0	99.7	80	120	- 1115	Althoras To	
Toluene		0.98	0.050	1.000	0	97.6	80	120			
Ethylbenzene		0.99	0.050	1.000	0	99.3	80	120			
Xylenes, Total		3.0	0.10	3.000	0	98.7	80	120			
Surr: 4-Bromo	ofluorobenzene	1.0		1.000	to a like	102	80	120	100	The Contract of	WILLIAM .
		Samn	Type: MS		Too	10-d- E	DA 88-46-4				70.0
Sample ID	1411337-001AMS	Camp	ype. IN	•	ies	tCode: E	PA Wethod	8021B: Vola	tiles		
Sample ID · Client ID:	1411337-001AMS BGT SC-1		h ID: 16			RunNo: 2		8021B: Vola	tiles		
			h ID: 16	320	F		2464	Units: mg/F			
Client ID:	BGT SC-1	Batc	h ID: 16	320 1/11/2014	F	RunNo: 2	2464			RPDLimit	Qual
Client ID: Prep Date: Analyte	BGT SC-1	Batc Analysis [h ID: 16	320 1/11/2014	F	RunNo: 2 SeqNo: 6	2464 62530	Units: mg/F	(g	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene	BGT SC-1	Batc Analysis D Result	h ID: 16 Date: 11	320 1/11/2014 SPK value	SPK Ref Val	RunNo: 2 SeqNo: 6 %REC	2464 62530 LowLimit	Units: mg/F	(g	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene Toluene	BGT SC-1	Batch Analysis I Result 1.1	PQL 0.048	320 1/11/2014 SPK value 0.9588	SPK Ref Val	RunNo: 2 SeqNo: 6 %REC 112	2464 62530 LowLimit 77.4	Units: mg/F HighLimit	(g	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene	BGT SC-1	Analysis E Result 1.1 1.1	PQL 0.048 0.048	320 1/11/2014 SPK value 0.9588 0.9588	SPK Ref Val 0 0.007753	RunNo: 2 SeqNo: 6 %REC 112 111	2464 62530 LowLimit 77.4 77	Units: mg/F HighLimit 142 132	(g	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total	BGT SC-1	Analysis D Result 1.1 1.1	PQL 0.048 0.048 0.048	320 I/11/2014 SPK value 0.9588 0.9588 0.9588	SPK Ref Val 0 0.007753 0.01482	RunNo: 2 SeqNo: 6 %REC 112 111 115	2464 62530 LowLimit 77.4 77 77.6	Units: mg/F HighLimit 142 132 134	(g	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromo	BGT SC-1 11/10/2014	Result 1.1 1.1 1.1 3.3 1.0	PQL 0.048 0.048 0.048	320 320 3711/2014 SPK value 0.9588 0.9588 0.9588 2.876 0.9588	SPK Ref Val 0 0.007753 0.01482 0	RunNo: 2 SeqNo: 6 %REC 112 111 115 114 106	2464 62530 LowLimit 77.4 77.6 77.4 80	Units: mg/r HighLimit 142 132 134 132	Kg %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromo	BGT SC-1 11/10/2014	Result 1.1 1.1 1.1 3.3 1.0 Samp	PQL 0.048 0.048 0.048 0.048 0.048	320 320 3711/2014 SPK value 0.9588 0.9588 0.9588 2.876 0.9588	SPK Ref Val 0 0.007753 0.01482 0	RunNo: 2 SeqNo: 6 %REC 112 111 115 114 106	2464 62530 LowLimit 77.4 77.6 77.4 80 PA Method	Units: mg/k HighLimit 142 132 134 132 120	Kg %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromo	BGT SC-1 11/10/2014 offluorobenzene 1411337-001AMSD	Result 1.1 1.1 1.1 3.3 1.0 Samp	PQL 0.048 0.048 0.048 0.096 Fype: MS	320 I/11/2014 SPK value 0.9588 0.9588 0.9588 2.876 0.9588	SPK Ref Val 0 0.007753 0.01482 0	RunNo: 2 SeqNo: 6 %REC 112 111 115 114 106	2464 62530 LowLimit 77.4 77.6 77.4 80 PA Method	Units: mg/k HighLimit 142 132 134 132 120	%RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Kylenes, Total Surr: 4-Bromo	Diffuorobenzene 1411337-001AMSD BGT SC-1	Result 1.1 1.1 1.1 3.3 1.0 Samp	PQL 0.048 0.048 0.048 0.096 Fype: MS	320 I/11/2014 SPK value 0.9588 0.9588 0.9588 2.876 0.9588 320 I/11/2014	SPK Ref Val 0 0.007753 0.01482 0 Tes F	RunNo: 2 SeqNo: 6 %REC 112 111 115 114 106 tCode: E RunNo: 2 SeqNo: 6 %REC	2464 62530 LowLimit 77.4 77.6 77.4 80 PA Method 2464 62531 LowLimit	Units: mg/k HighLimit 142 132 134 132 120 8021B: Vola	%RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromo Sample ID Client ID: Prep Date: Analyte	Diffuorobenzene 1411337-001AMSD BGT SC-1	Result 1.1 1.1 1.1 3.3 1.0 Samp	PQL 0.048 0.048 0.096 0.096 0.096 0.096 0.096	320 I/11/2014 SPK value 0.9588 0.9588 0.9588 2.876 0.9588 320 I/11/2014	SPK Ref Val 0 0.007753 0.01482 0 Tes F SPK Ref Val 0	RunNo: 2 SeqNo: 6 %REC 112 111 115 114 106 tCode: El	2464 62530 LowLimit 77.4 77.6 77.4 80 PA Method 2464 62531 LowLimit 77.4	Units: mg/k HighLimit 142 132 134 132 120 8021B: Vola	%RPD	RPDLimit 20	
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromo Sample ID Client ID: Prep Date: Analyte Benzene	Diffuorobenzene 1411337-001AMSD BGT SC-1	Result 1.1 1.1 1.1 3.3 1.0 Samp Batci Analysis I	PQL 0.048 0.048 0.048 0.096 Type: MS	320 I/11/2014 SPK value 0.9588 0.9588 0.9588 2.876 0.9588 320 I/11/2014 SPK value	SPK Ref Val 0 0.007753 0.01482 0 Tes F	RunNo: 2 SeqNo: 6 %REC 112 111 115 114 106 tCode: E RunNo: 2 SeqNo: 6 %REC	2464 62530 LowLimit 77.4 77.6 77.4 80 PA Method 2464 62531 LowLimit 77.4	Units: mg/k HighLimit 142 132 134 132 120 8021B: Vola Units: mg/k	%RPD	RPDLimit 20 20	
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromo Sample ID Client ID: Prep Date: Analyte Benzene Toluene	Diffuorobenzene 1411337-001AMSD BGT SC-1	Result 1.1 1.1 1.1 3.3 1.0 Samp Batci Analysis E Result 0.97	PQL 0.048 0.096 Type: MS h ID: 16: 16: 16: 16: 16: 16: 16: 16: 16: 16	320 I/11/2014 SPK value 0.9588 0.9588 0.9588 2.876 0.9588 320 I/11/2014 SPK value 0.9597	SPK Ref Val 0 0.007753 0.01482 0 Tes F SPK Ref Val 0	RunNo: 2 SeqNo: 6 %REC 112 111 115 114 106 tCode: E RunNo: 2 SeqNo: 6 %REC 101	2464 62530 LowLimit 77.4 77.6 77.4 80 PA Method 2464 62531 LowLimit 77.4	Units: mg/k HighLimit 142 132 134 132 120 8021B: Vola Units: mg/k HighLimit 142	%RPD tiles %RPD 9.64	RPDLimit 20	
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromo Sample ID Client ID: Prep Date:	Diffuorobenzene 1411337-001AMSD BGT SC-1	Result 1.1 1.1 1.1 3.3 1.0 Samp Batcl Analysis E Result 0.97 0.96	PQL 0.048 0.096 0.096 0.048 0.048 0.096 0.096 0.048 0.096 0.096 0.048 0.048 0.048 0.048 0.048 0.048	320 I/11/2014 SPK value 0.9588 0.9588 2.876 0.9588 320 I/11/2014 SPK value 0.9597 0.9597	SPK Ref Val 0 0.007753 0.01482 0 Tes F SPK Ref Val 0 0.007753	RunNo: 2 SeqNo: 6 %REC 112 111 115 114 106 tCode: E RunNo: 2 SeqNo: 6 %REC 101 99.4	2464 62530 LowLimit 77.4 77.6 77.4 80 PA Method 2464 62531 LowLimit 77.4	Units: mg/k HighLimit 142 132 134 132 120 8021B: Vola Units: mg/k HighLimit 142 132	%RPD	RPDLimit 20 20	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Page 5 of 5



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number	er: 1411337	7. 15. 17	RcptNo: 1
Received by/date: AF 11/08/14		T very	
Logged By: Lindsay Mangin 11/8/2014 10:20:00 A	AM	July Hopo	All of the second
Completed By: Lindsay Mangin 11/10/2014 9:03:12 A	AM	Simby Hope	
Reviewed By: CS 11/10/14		0 - 0	
Chain of Custody	-		
Custody seals intact on sample bottles?	Yes 🗌	No 🗆	Not Present
2. Is Chain of Custody complete?	Yes 🗹	No 🗆	Not Present
3. How was the sample delivered?	Courier		
Log In			
4. Was an attempt made to cool the samples?	Yes 🗹	No 🗆	NA 🗆
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🗹	No 🗆	NA 🗆
6. Sample(s) in proper container(s)?	Yes 🗷	No 🗆	
7. Sufficient sample volume for indicated test(s)?	Yes 🗹	No 🗆	
8. Are samples (except VOA and ONG) properly preserved?	Yes 🖃	No 🗆	
9. Was preservative added to bottles?	Yes	No 🖈	NA 🗆
10.VOA vials have zero headspace?	Yes 🗆	No 🗆	No VOA Vials
11. Were any sample containers received broken?	Yes	No 🕷	# of preserved
42 December 1991 Intelled	Yes 🗹	No □ İ	bottles checked for pH:
12.Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Tes en		(<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes 🖃	No 🗆	Adjusted?
14. Is it clear what analyses were requested?	Yes 🔛	No 🗆	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗹	No □ i	Checked by:
Special Handling (if applicable)			
16. Was client notified of all discrepancies with this order?	Yes	No 🗆	NA 🗹
Person Notified: Date:			
By Whom: Via:	eMail	Phone Fax	☐ In Person
Regarding:			A CONTRACTOR OF THE PROPERTY O
Client Instructions:			Annough), CASS, Annough and Read Annough and Annough a
17. Additional remarks:			
18. Cooler Information			
Cooler No Temp °C Condition Seal Intact Seal No	Seal Date	Signed By	
1 4.3 Good Yes			

	hain-	of-Cu	istody Record	Turn-Around	Tille.					Н	AL	LL	E	VV	IR	10	11	1EI	ATV	L
Client:	Anmas	Enuro	nmental Services	Standard			-			A	N	AL	YS	IS	L	AE	30	RA	TO	RY
				Project Name						١	www	.hall	envi	ronn	nent	al.co	m			
Mailing	Address	604	W. Pmon St.	Cop 3	J 30-L =	± 405 S		49	01 H	awkii	ns N	E -	Alb	uque	erque	e, NI	M 87	109		
			ton, NM 87401	Project #:				Te	el. 50	5-34	5-39	75	F	ax 5	505-	345-	4107	7	43	
Phone #		5) 24										At	naly	sis I	Req	uest				
			@ annesenvironmental	Project Mana	ger:		=	nly)	9	_				04)	(0)					
	Package:		·com	E	. Skyles		802	as o	₹ /	544		(3)		S,40	CB's					
Stan			☐ Level 4 (Full Validation)				\$4MB's (8021)	1(6	(8)			SIMS)	1	2,P(32 P					
Accredi		□ Othe			S. Hinds	5 N	44	TP	3	£.	=======================================	8270		8	808			300.0		Î
□ EDD		D Othe		On Ice: Sample Tem	Ø Yes	□ No	E +	+	(R)	418	20	or 8	als	S.	les/		10A	30		Y or
0 500	(Type)_			Jampie Ten	perature. 7,		1	МТВ	5B (thoc	thoc	310	Met	0	sticic	VOA.	mi-	3		les (
Date	Time	Matrix	Sample Request ID BGT William ** V 5C-1	Container Type and #	Preservative Type	141133K	BTEX + 1	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GROMORO) MRO	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or	RCRA 8 Metals	Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Chlorale		Air Bubbles (Y or N)
1/6/14	13120	501)	V 5C-1	1-402	cool	-001	X		x									X		
				Dec MEN						-									+	
					STEEL F			1.												
																		\dashv	+	+
12.3																				
					2 2 2 3															+
36.00									A. S.											
Date:	Time:	Relinquish	led by:	Received by:	,	Date Time	Rei	mark	s: /	37/	to	(m	000	Pho	ip:					
11/1/11	1610	-	Jelene' llors	1 cmit	Walte	11/7/11 /6/0	ועו	0: 10	036	709	6				,					
Date:	Time:	Relinquish	ea by:	Received by:	dell	Date Time	Ar	eac	X	6 V	pde	ated SC-	9 3	Sar D	nper	le E	na	ne	Skl	yles.
14.	f necessary.	samples sub	mitted to Hall Environmental may be sub	contracted to other a	occredited laboratorie	es. This serves as notice of th	is poss	ibility.	Any su	ib-cont	racted	datav	will be	clear	y nota	ated or	n the a	nalytica	report.	Kus 10/14.



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

November 13, 2014

Emilee Skyles Animas Environmental 604 Pinon Street Farmington, NM 87401 TEL: (505) 564-2281 FAX

RE: CoP SJ 30-6 #405 S

OrderNo.: 1411340

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 4 sample(s) on 11/8/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the OC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1411340

Date Reported: 11/13/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Project: CoP SJ 30-6 #405 S

Lab ID: 1411340-001

Client Sample ID: SC-2

Collection Date: 11/7/2014 12:15:00 PM

Received Date: 11/8/2014 10:20:00 AM

analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS				Analyst	BCN
Diesel Range Organics (DRO)	92	9.8	mg/Kg	1	11/12/2014 2:19:39 PM	16308
Surr: DNOP	124	63.5-128	%REC	1	11/12/2014 2:19:39 PM	16308
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/12/2014 2:53:42 AM	16323
Surr: BFB	93.2	80-120	%REC	1	11/12/2014 2:53:42 AM	16323
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.048	mg/Kg	1	11/12/2014 2:53:42 AM	16323
Toluene	ND	0.048	mg/Kg	1	11/12/2014 2:53:42 AM	16323
Ethylbenzene	ND	0.048	mg/Kg	1	11/12/2014 2:53:42 AM	16323
Xylenes, Total	ND	0.097	mg/Kg	1	11/12/2014 2:53:42 AM	16323
Surr: 4-Bromofluorobenzene	97.2	80-120	%REC	1	11/12/2014 2:53:42 AM	16323

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 1 of 7

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Lab Order 1411340

Date Reported: 11/13/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Project: CoP SJ 30-6 #405 S

Lab ID: 1411340-002

Client Sample ID: SC-3

Collection Date: 11/7/2014 12:22:00 PM

Received Date: 11/8/2014 10:20:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS				Ber I	Analyst:	BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/11/2014 9:01:50 PM	16308
Surr: DNOP	131	63.5-128	S	%REC	1	11/11/2014 9:01:50 PM	16308
EPA METHOD 8015D: GASOLINE RA	NGE					Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	11/12/2014 3:22:16 AM	16323
Surr: BFB	93.3	80-120		%REC	1	11/12/2014 3:22:16 AM	16323
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	ND	0.046		mg/Kg	1	11/12/2014 3:22:16 AM	16323
Toluene	ND	0.046		mg/Kg	1	11/12/2014 3:22:16 AM	16323
Ethylbenzene	ND	0.046		mg/Kg	1	11/12/2014 3:22:16 AM	16323
Xylenes, Total	ND	0.092		mg/Kg	1	11/12/2014 3:22:16 AM	16323
Surr: 4-Bromofluorobenzene	96.4	80-120		%REC	1	11/12/2014 3:22:16 AM	16323

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 2 of 7

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Lab Order 1411340

Date Reported: 11/13/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-4

Project: CoP SJ 30-6 #405 S

Collection Date: 11/7/2014 12:50:00 PM

Lab ID: 1411340-003

Matrix: SOIL

Received Date: 11/8/2014 10:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE O	RGANICS					Analyst:	BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/11/2014 9:23:36 PM	16308
Surr: DNOP	132	63.5-128	S	%REC	1	11/11/2014 9:23:36 PM	16308
EPA METHOD 8015D: GASOLINE RANGI						Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/12/2014 3:50:50 AM	16323
Surr: BFB	93.1	80-120		%REC	1	11/12/2014 3:50:50 AM	16323
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	ND	0.049		mg/Kg	1	11/12/2014 3:50:50 AM	16323
Toluene	ND	0.049		mg/Kg	1	11/12/2014 3:50:50 AM	16323
Ethylbenzene	ND	0.049		mg/Kg	1	11/12/2014 3:50:50 AM	16323
Xylenes, Total	ND	0.098		mg/Kg	1	11/12/2014 3:50:50 AM	16323
Surr: 4-Bromofluorobenzene	95.7	80-120		%REC	1	11/12/2014 3:50:50 AM	16323

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 3 of 7

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Lab Order 1411340 Date Reported: 11/13/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Project: CoP SJ 30-6 #405 S

Lab ID: 1411340-004

Client Sample ID: SB-3 @ 10'

Collection Date: 11/7/2014 12:45:00 PM

Received Date: 11/8/2014 10:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS				1	Analyst:	BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/11/2014 9:44:57 PM	16308
Surr: DNOP	136	63.5-128	S	%REC	1	11/11/2014 9:44:57 PM	16308
EPA METHOD 8015D: GASOLINE RA	NGE					Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	11/12/2014 4:19:22 AM	16323
Surr: BFB	93.5	80-120		%REC	1	11/12/2014 4:19:22 AM	16323
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	ND	0.046		mg/Kg	1	11/12/2014 4:19:22 AM	16323
Toluene	ND	0.046		mg/Kg	1	11/12/2014 4:19:22 AM	16323
Ethylbenzene	ND	0.046		mg/Kg	1	11/12/2014 4:19:22 AM	16323
Xylenes, Total	ND	0.092		mg/Kg	1	11/12/2014 4:19:22 AM	16323
Surr: 4-Bromofluorobenzene	96.1	80-120		%REC	1	11/12/2014 4:19:22 AM	16323

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 4 of 7

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 13-Nov-14

1411340

Client:

Animas Environmental

Project:

CoP SJ 30-6 #405 S

Sample ID MB-16308	SampType: MBLK	TestCode: EPA Method	8015D: Diesel Range C	rganics
Client ID: PBS	Batch ID: 16308	RunNo: 22457		
Prep Date: 11/10/2014	Analysis Date: 11/11/2014	SeqNo: 661933	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Diesel Range Organics (DRO)	ND 10			E-14
Surr: DNOP	9.2 10.00	91.9 63.5	128	
Sample ID LCS-16308	SampType: LCS	TestCode: EPA Method	8015D: Diesel Range C	rganics
Client ID: LCSS	Batch ID: 16308	RunNo: 22457		
Prep Date: 11/10/2014	Analysis Date: 11/11/2014	SeqNo: 661934	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Diesel Range Organics (DRO)	52 10 50.00	0 104 68.6	130	
Surr: DNOP	4.0 5.000	80.7 63.5	128	
Sample ID MB-16334	SampType: MBLK	TestCode: EPA Method	8015D: Diesel Range O	rganics
Client ID: PBS	Batch ID: 16334	RunNo: 22488		
Prep Date: 11/11/2014	Analysis Date: 11/12/2014	SeqNo: 663176	Units: %REC	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Surr: DNOP	9.6 10.00	96.2 63.5	128	
Sample ID LCS-16334	SampType: LCS	TestCode: EPA Method	8015D: Diesel Range O	rganics
Client ID: LCSS	Batch ID: 16334	RunNo: 22488		
Prep Date: 11/11/2014	Analysis Date: 11/12/2014	SeqNo: 663181	Units: %REC	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Surr: DNOP	4.7 5.000	93.2 63.5	128	

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- Analyte detected below quantitation limits J
- RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Sample pH greater than 2.
- Reporting Detection Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: 1411340

13-Nov-14

Client:

Animas Environmental

Project:

CoP SJ 30-6 #405 S

Sample ID MB-16320

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS

Batch ID: 16320

RunNo: 22464

%REC

92.1

Prep Date: 11/10/2014

Analysis Date: 11/11/2014

SegNo: 662399

Units: %REC HighLimit

Analyte

Result 920 SPK value SPK Ref Val

1000

RPDLimit

Qual

Surr: BFB

Sample ID LCS-16320

SampType: LCS

TestCode: EPA Method 8015D: Gasoline Range

%RPD

Client ID:

LCSS

Batch ID: 16320

RunNo: 22464

120

Prep Date:

11/10/2014

Analysis Date: 11/11/2014

SegNo: 662400

LowLimit

80

80

Units: %REC

Analyte

PQL

SPK value SPK Ref Val %REC

LowLimit

%RPD **HighLimit**

Qual

Surr: BFB

1000

Result

Result

1000

103

120

RPDLimit

Sample ID MB-16323

SampType: MBLK Batch ID: 16323

1000

TestCode: EPA Method 8015D: Gasoline Range RunNo: 22464

%REC

%RPD

Prep Date: 11/10/2014

PBS

Analysis Date: 11/11/2014

PQL

PQL

5.0

SeqNo: 662409

Units: mg/Kg

Analyte Gasoline Range Organics (GRO) Surr: BFB

Client ID:

5.0 ND 940

94.0

80

120

HighLimit

RPDLimit

Qual

Sample ID LCS-16323

SampType: LCS

SPK value SPK Ref Val

SPK value SPK Ref Val

TestCode: EPA Method 8015D: Gasoline Range

LowLimit

Analyte

Prep Date: 11/10/2014

LCSS

Batch ID: 16323

Analysis Date: 11/11/2014

RunNo: 22464 SegNo: 662410

%REC

LowLimit

Units: mg/Kg

HighLimit

%RPD

RPDLimit Qual

Gasoline Range Organics (GRO) Surr: BFB

Client ID:

27 1000

Result

25.00 1000 n

107 101 65.8 139 80 120

Qualifiers:

E

S

- Analyte detected below quantitation limits
- R
- Value exceeds Maximum Contaminant Level. Value above quantitation range

Spike Recovery outside accepted recovery limits

- RSD is greater than RSDlimit 0
- RPD outside accepted recovery limits

- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Sample pH greater than 2.
- RL Reporting Detection Limit
- Not Detected at the Reporting Limit
 - Page 6 of 7

Hall Environmental Analysis Laboratory, Inc.

WO#: 1411340

13-Nov-14

Client:

Animas Environmental

Project:

CoP SJ 30-6 #405 S

Sample ID MB-16320	SampT	ype: M	BLK	Tes	TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch	ID: 16	320	F	RunNo: 2	2464					
Prep Date: 11/10/2014	Analysis D	ate: 1	1/11/2014	5	SeqNo: 6	62527	Units: %RE	С			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: 4-Bromofluorobenzene	0.97		1.000		97.3	80	120		5 7 7 6 6		

Sample ID LCS-16320	SampType: LCS	TestCode: EPA Method	8021B: Volatiles	
Client ID: LCSS	Batch ID: 16320	RunNo: 22464		
Prep Date: 11/10/2014	Analysis Date: 11/11/2014	SeqNo: 662528	Units: %REC	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Surr: 4-Bromofluorobenzene	1.0 1.000	102 80	120	Total State of the

Sample ID MB-16323	Samp	Гуре: МЕ	BLK	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	h ID: 16	323	F	RunNo: 2	2464				
Prep Date: 11/10/2014	Analysis [Date: 1	1/11/2014	5	SeqNo: 6	62537	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.98		1.000		98.3	80	120			

Sample ID LCS-16323	Batch ID: 16323 Analysis Date: 11/11/2014			TestCode: EPA Method 8021B: Volatiles									
Client ID: LCSS				F	RunNo: 2	2464							
Prep Date: 11/10/2014				SeqNo: 662538			Units: mg/h	(g					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	0.91	0.050	1.000	0	91.2	80	120		1				
Toluene	0.91	0.050	1.000	0	91.1	80	120						
Ethylbenzene	0.95	0.050	1.000	0	94.7	80	120						
Xylenes, Total	2.8	0.10	3.000	0	94.0	80	120						
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120						

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

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rian Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

Sample Log-In Check List

Animas Environmental Work Order Number: 1411340 RcptNo: 1 Client Name: Received by/date: 11/8/2014 10:20:00 AM Logged By: **Lindsay Mangin** 11/10/2014 9:42:26 AM Completed By: **Lindsay Mangin** 11/10/14 Reviewed By: Chain of Custody No 🗆 Yes 🗌 Not Present 1. Custody seals intact on sample bottles? No 🗆 Yes Not Present 2. Is Chain of Custody complete? 3. How was the sample delivered? Courier Log In No 🗆 NA 🗌 Yes 4. Was an attempt made to cool the samples? NA I No 🗌 5. Were all samples received at a temperature of >0° C to 6.0°C No 🗆 6. Sample(s) in proper container(s)? No 🗌 7. Sufficient sample volume for indicated test(s)? No 🗆 8. Are samples (except VOA and ONG) properly preserved? No 🐼 NA 🗌 9. Was preservative added to bottles? No VOA Vials Yes No 10. VOA vials have zero headspace? Yes No 🐼 11. Were any sample containers received broken? # of preserved bottles checked No 🗌 for pH: 12. Does paperwork match bottle labels? (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? No 🗌 13. Are matrices correctly identified on Chain of Custody? No 🗌 14. Is it clear what analyses were requested? No [Checked by: 15. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) Yes 🗌 No 🗆 16. Was client notified of all discrepancies with this order? Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 17. Additional remarks: 18. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No 4.3 Good Yes

Phone #: (505) 564-2281 email or Fax#: e sky les @ animus environments QA/QC Package: Q Standard			Turn-Around Time: X Standard				HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request (V) (V) (V) (V) (V) (V) (V) (V												
							MTBE + TPH (Gas only)	TPH 8015B (GRO) DRO) MRO	418.1)	PAH's (8310 or 8270 SIMS)	als	Anions (F,CI,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's		(OA)			Y or N)	
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO. 1411340	BTEX + MIBE	BTEX + MTB	TPH 8015B (TPH (Method 418.1)	PAH's (8310	RCRA 8 Metals	Anions (F,Cl,	8081 Pesticid	8260B (VOA)	8270 (Semi-VOA)			Air Rishbles (Y or N)
11/7/14	12:15	5081	Sc-2	1-4 oz	cool	-001	X		X										
11/7/14	12:22	Soil	SC-3	1-40E	Cool	-00Z	1		X										
147/14	12:50	Soil	SC-4	1-402	cool	-003	4		X										
	12:45	SOIL	SB -3@ 10'	1-402	(00	-004	*		4										+
9																			#
Date:	Time:	Relinquishe	od nvr	Received by:		Pate Time	Poo	norte											#
Date:	16/0 Time:	Relinquishe What		Anatu Received by:	Jubella Cognedited laboratorie	11/7/14 /6/16 11/8/19 16:0	a A	D: 1	8	1096 -contra			Ord	ered		: Ste		port.	