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

State of New Mexico Energy Minerals and Natural Resources

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.

1220 S. St. Francis Dr., Santa Fe, NM 87505 Santa	Fe, NM 87505		
Release Notificati	on and Corrective Ac	etion	
	OPERATOR	☐ Initial R	Report Final Report
Name of Company Burlington Resources Oil & Gas Company	Contact Lindsay Dumas		
Address 3401 East 30th St, Farmington, NM	Telephone No.(505) 599-408	89	
Facility Name: San Juan 27-5 45	Facility Type: Gas		
Surface Owner BLM Mineral Owner	r SF-079393	API No.30	-039-07176
LOCATIO	ON OF RELEASE		
Unit Letter Section Township Range Feet from the North K 06 27N 05W 1550'	rth/South Line Feet from the FSL 1750'		ounty io Arriba
Latitude <u>36.600</u> :	547 Longitude <u>-107.40340</u>	•	
NATUR	E OF RELEASE		
Type of Release Historic Contamination	Volume of Release Unkn	own Volume Reco	overed 0
Source of Release Production Tank	Date and Hour of Occurrence	Date and Hou	ur of Discovery
W. J. W. C. O.	Unknown	5/13/2014	
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Require	If YES, To Whom?		
By Whom?	Date and Hour		
Was a Watercourse Reached? ☐ Yes ☐ No	If YES, Volume Impacting th	ne Watercourse.	
If a Watercourse was Impacted, Describe Fully.*			
Describe Cause of Problem and Remedial Action Taken.*			
Historic contamination was discovered during facility re-set activit	ies.		
Describe Area Affected and Cleanup Action Taken.*			
Excavation was 25' x 32' x 13' Deep. 348 c/yds of soil was t	ransported to IEI Land Farm	and 402 c/yds of c	clean soil was
transported from Aztec Machine Co. and placed in the exca			
further action required. The soil sampling report is attached	d for review.		
I hereby certify that the information given above is true and complete t			
regulations all operators are required to report and/or file certain releas public health or the environment. The acceptance of a C-141 report by			
should their operations have failed to adequately investigate and remed			
or the environment. In addition, NMOCD acceptance of a C-141 report			
federal, state, or local laws and/or regulations.	-		1
Signature: Dumoro	OIL CONS	SERVATION DI	VISION
Signature.			1-4
Printed Name: Lindsay Dumas	Approved by Environmental Sp	pecialist:	
Title: Field Environmental Specialist	Approval Date: 7/24/1	5 Expiration Date	e:
E-mail Address: Lindsay.Dumas@conocophillips.com	Conditions of Approval:	9	_
L-man Address. Linusay. Damas a conocopininps. com	- Conditions of Approval.	I A	Attached

* Attach Additional Sheets If Necessary

Phone: (505) 599-4089

Date: 6/18/2015

HNCS 15205 39 684



August 29, 2014

Lindsay Dumas
ConocoPhillips
San Juan Business Unit
Office 214-07
5525 Hwy 64
Farmington, New Mexico 87401

www.animasenvironmental.com

624 E. Comanche Farmington, NM 87401 505-564-2281

> Durango, Colorado 970-403-3084

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

RE: Initial Release Assessment and Final Excavation Report

San Juan 27-5 #45

Rio Arriba County, New Mexico

Dear Ms. Dumas:

On May 9 and July 1, 2014, Animas Environmental Services, LLC (AES) completed an initial release assessment and environmental clearance of the final excavation limits at the ConocoPhillips (CoP) San Juan 27-5 #45, located in Rio Arriba County, New Mexico. The historic release was discovered during site facility reset activities. The initial release assessment was completed by AES on May 9, 2014, and the final excavation was completed by CoP contractors prior to AES' arrival at the location on July 1, 2014.

1.0 Site Information

1.1 Location

Site Name – San Juan 27-5 #45

Location – NE¼ SW¼, Section 6, T27N, R5W, Rio Arriba County, New Mexico

Well Head Latitude/Longitude – N36.60029 and W107.40352, respectively

Release Location Latitude/Longitude – N36.60055 and W107.40340, respectively

Land Jurisdiction – Bureau of Land Management (BLM)

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, May 2014

1.2 NMOCD Ranking

In accordance with New Mexico Oil Conservation Division (NMOCD) release protocols, action levels were established per NMOCD 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 protection report form dated May 1991 for the location reported the depth to groundwater at 110 to 120 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: An unnamed wash, which is a tributary to the wash in Carrizo Canyon, is located approximately 930 feet to the westsouthwest. (10 points)

1.3 Assessment

AES was initially contacted by Jess Henson, CoP representative, on May 8, 2014, and on May 9, 2014, Stephanie Lynn and Emilee Skyles of AES completed the release assessment field work. The assessment included collection and field sampling of 36 soil samples from 9 borings in and around the release area. Soil borings were terminated between 4 and 9 feet. Based on the field sampling results, AES recommended further excavation of the release area. Sample locations are shown on Figure 3.

On July 1, 2014, AES returned to the location to collect confirmation soil samples of the excavation. The field sampling activities included collection of five confirmation soil samples from the walls and base of the excavation. The area of the final excavation measured approximately 32 feet by 19 feet by 6 to 13 feet in depth. The base of the excavation was terminated on a confining sandstone layer. Sample locations and final excavation extents are presented on Figure 4.

2.0 Soil Sampling

A total of 36 soil samples from 9 borings (SB-1 through SB-9) and 5 composite samples (SC-1 through SC-5) were collected during the assessments. All soil samples were field screened for volatile organic compounds (VOCs), and selected samples were also analyzed for total petroleum hydrocarbons (TPH). All composite samples (SC-1 through SC-5) collected during the excavation clearance 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

Field TPH samples were analyzed 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.

2.2 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 a sample chain of custody record. Samples were maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall) in Albuquerque, New Mexico. All soil samples were laboratory analyzed for:

 TPH for gasoline range organics (GRO) and diesel range organics (DRO) per USEPA Method 8015D.

In addition, soil sample SC-5 was laboratory analyzed for:

Benzene, toluene, ethylbenzene, and xylene (BTEX) per USEPA Method 8021B.

2.3 Field and Laboratory Analytical Results

On May 9, 2014, initial assessment field screening results for VOCs via OVM showed concentrations ranging from 0.0 ppm in SB-4, SB-8, and SB-9 up to 1,509 ppm in SB-2. Field TPH concentrations ranged from 26.8 mg/kg in SB-2 up to 1,980 mg/kg in SB-2.

On July 1, 2014, final excavation clearance field screening results for VOCs via OVM ranged from 16.2 ppm in SC-2 and SC-4 up to 1,596 ppm in SC-5. Field TPH concentrations ranged from 29.0 mg/kg in SC-1 up to 438 mg/kg in SC-5. Results are included below in Table 1 and on Figures 3 and 4. The AES Field Sampling Reports are attached.

Table 1. Field Sampling VOCs and TPH Results
San Juan 27-5 #45 Initial Release Assessment and Final Excavation
May and July 2014

Sample ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)	TPH 418.1 (mg/kg)
NMOCD Action Leve			100	1,000
		Surface	3.6	NA
CD 1	F /0 /1 /	1	0.9	NA
SB-1	5/9/14 -	2	0.9	NA
		4	0.9	NA
		Surface	1,509	1,980
		1	385	NA
		2	38.1	1,900
		3	30.0	NA
CD 2	F /0 /1 /	4	87.7	NA
SB-2	5/9/14 -	5	43.5	NA
		6	352	33.3
	-	7	36.7	NA
		8	81.8	NA
		9	35.1	26.8
		Surface	75.5	32.0
SB-3	5/9/14	2	3.5	NA
		4	1.7	34.6
		Surface	0.3	NA
SB-4	5/9/14 -	1	0.2	NA
30-4	3/3/14	2	0.0	NA
		4	0.2	NA
		Surface	265	159
SB-5	5/9/14	2	12.1	NA
		4	34.4	35.9
SB-6	5/9/14	Surface	0.4	NA

Sample ID	Date Depth via OVI		VOCs via OVM (ppm)	TPH 418.1 (mg/kg)
NMO	CD Action Lev	el*	100	1,000
		2	0.3	NA
		4	0.2	NA
		Surface	0.3	NA
SB-7	5/9/14	2	0.1	NA
		4	0.1	NA
		Surface	0.4	NA
SB-8	5/9/14	2	0.0	NA
		4	0.3	NA
		Surface	13.9	37.2
SB-9	5/9/14	2	0.6	NA
		4	0.0	NA
SC-1	7/1/14	1 to 13	18.1	29.0
SC-2	7/1/14	1 to 13	16.2	35.7
SC-3	7/1/14	1 to 13	63.8	54.6
SC-4	7/1/14	1 to 13	16.2	33.0
SC-5	7/1/14	13	1,596	438

NA - not analyzed

Laboratory analyses for SC-1 through SC-5 were used to confirm field sampling results from the final excavation limits. Benzene and total BTEX concentrations in SC-5 were reported at 1.9 mg/kg and 40.7 mg/kg, respectively. TPH concentrations as GRO/DRO in above detection limits were reported in SC-3 with 11 mg/kg and SC-5 with 780 mg/kg. Results are presented in Table 2 and on Figure 4. The laboratory analytical reports are attached.

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

Table 2. Laboratory Analytical Results – Benzene, Total BTEX, and TPH San Juan 27-5 #45 Final Excavation Limits

July 2014

			1			
		Sample		Total		
	Date	Depth	Benzene	BTEX	GRO	DRO
Sample ID	Sampled	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
NMOCD Action Level*			10	50	1,0	000
SC-1	7/1/14	1 to 13	NA	NA	<4.9	<10
SC-2	7/1/14	1 to 13	NA	NA	<4.6	<10
SC-3	7/1/14	1 to 13	NA	NA	<4.9	11
SC-4	7/1/14	1 to 13	NA	NA	<4.7	<10
SC-5	7/1/14	13	1.9	40.7	580	200

NA - not analyzed

3.0 Conclusions and Recommendations

On May 9, 2014, AES conducted an initial assessment of petroleum contaminated soils associated with a historic release at the San Juan 27-5 #45. 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.

Initial assessment field sampling results above the NMOCD action level of 100 ppm VOCs and 1,000 mg/kg TPH were reported in SB-2 and SB-5. The highest VOC concentration was reported in SB-2 with 1,509 ppm, and the highest TPH concentration was also reported in SB-2 with 1,980 mg/kg.

On July 1, 2014, final clearance of the excavation area was completed. Field sampling results of the excavation extents showed that VOC concentrations were below applicable NMOCD action levels for the final walls of the excavation but above applicable NMOCD action levels for the base of the excavation, which had a VOC concentration of 1,596 ppm. Field TPH concentrations were below the applicable NMOCD action level of 1,000 mg/kg for the final walls and base of the excavation. Laboratory analytical results reported benzene and total BTEX concentrations in SC-5 below NMOCD action levels, and TPH concentrations as GRO/DRO were reported below the applicable NMOCD action levels in SC-1 through SC-5.

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

Lindsay Dumas San Juan 27-5 #45 Initial Release Assessment and Final Excavation Report August 29, 2014 Page 7 of 7

Based on final field sampling and laboratory analytical results of the excavation of petroleum contaminated soils at the San Juan 27-5 #45, VOC, benzene, total BTEX, and TPH concentrations were below applicable NMOCD action levels for each of the 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,

David J. Reese

Environmental Scientist

Elizabeth V MeNdly

David & Reme

Elizabeth McNally, PE

Attachments:

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, May 2014

Figure 3. Initial Assessment Sample Locations and Results, May 2014

Figure 4. Final Excavation Sample Locations and Results, July 2014

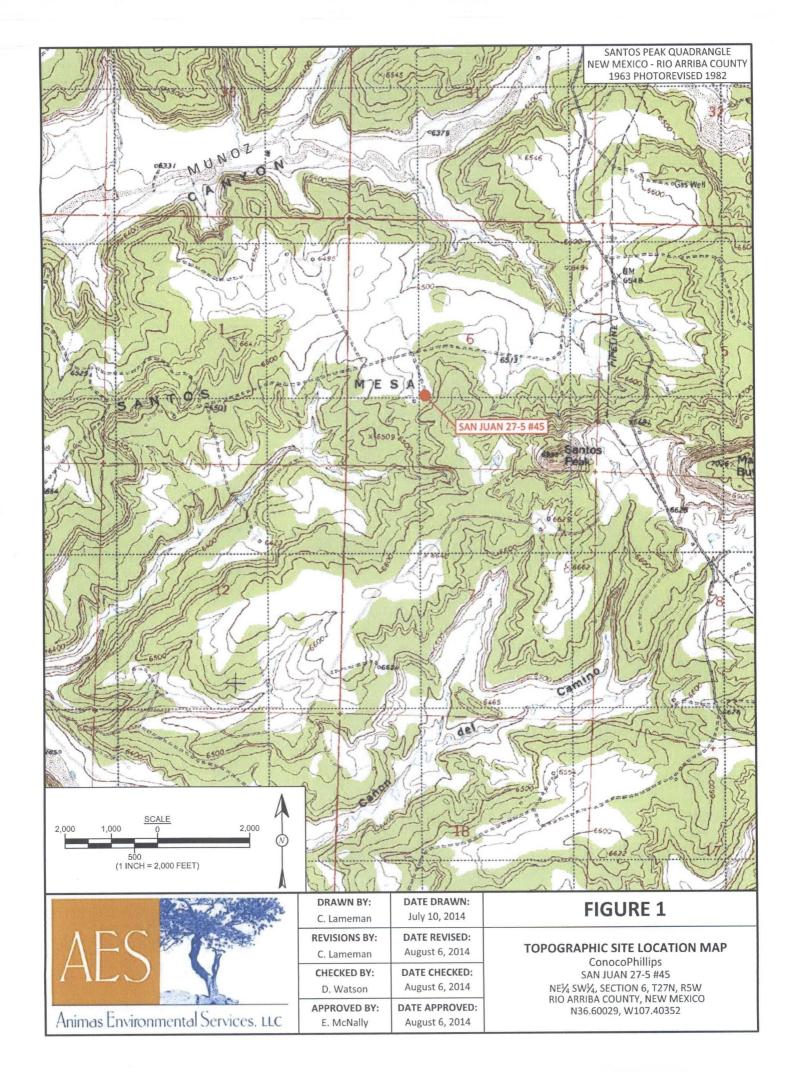
AES Field Sampling Report 050914

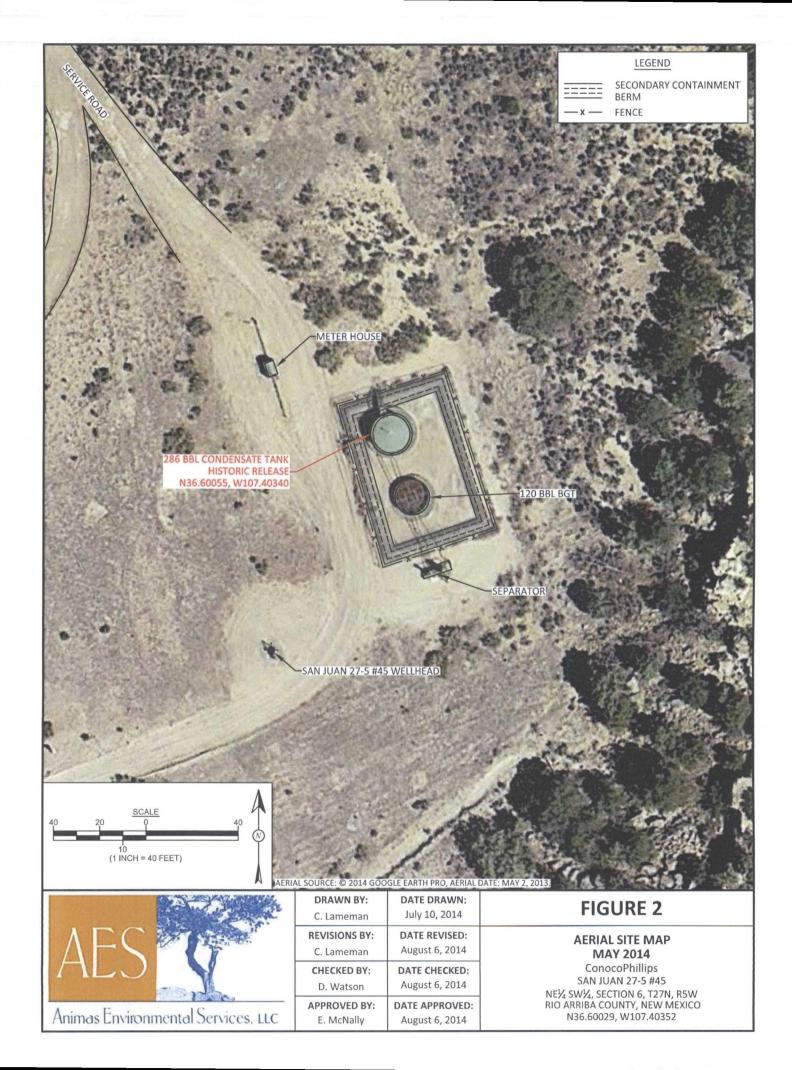
AES Field Sampling Report 070114

Hall Laboratory Analytical Report 1407068

Hall Laboratory Analytical Report 1407069

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Sample ID	ple ID Date Depth (ft)		OVM- PID (ppm)	TPH (mg/kg)
N	MOCD ACT	TION LEVEL	100	1,000
		Surface	3.6	NA
SB-1	E /0 /14	1	0.9	NA
20-1	5/9/14	2	0.9	NA
		4	0.9	NA
		Surface	1,509	1,980
		1	385	NA
		2	38.1	1,900
		3	30.0	NA
SB-2	E /0 /1 4	4	87.7	NA
3D-2	5/9/14	5	43.5	NA
		6	352	33.3
		7	36.7	NA
		8	81.8	NA
		9	35.1	26.8
	SB-3 5/9/14	Surface	75.5	32.0
SB-3		2	3.5	NA
		4	1.7	34.6
		Surface	0.3	NA
SB-4	5/9/14	1	0.2	NA
30-4	3/3/14	2	0.0	NA
		4	0.2	NA
		Surface	265	159
SB-5	5/9/14	2	12.1	NA
		4	34.4	35.9
		Surface	0.4	NA
SB-6	5/9/14	2	0.3	NA
		4	0.2	NA
		Surface	0.3	NA
SB-7	5/9/14	2	0.1	NA
		4	0.1	NA
		Surface	0.4	NA
SB-8	5/9/14	2	0.0	NA
		4	0.3	NA
		Surface	13.9	37.2
SB-9	5/9/14	2	0.6	NA
		4	0.0	NA

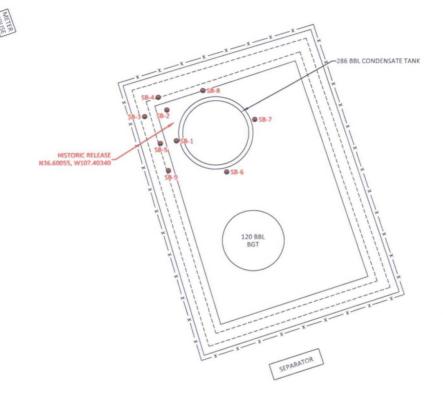


FIGURE 3

INITIAL ASSESSMENT SAMPLE LOCATIONS AND RESULTS MAY 2014 ConocoPhillips SAN JUAN 27-5 #45 NEX, SWY, SECTION 6, T27N, RSW RIO ARRIBA COUNTY, NEW MEXICO N36.60029, W107.40352



Animas Environmental Services, LLC

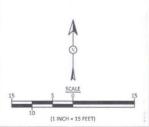
DRAWN BY:	DATE DRAWN:
C. Lameman	May 12, 2014
REVISIONS BY:	DATE REVISED:
C. Lameman	August 6, 2014
CHECKED BY:	DATE CHECKED:
D. Watson	August 6, 2014
APPROVED BY:	DATE APPROVED:
E. McNally	August 6, 2014

LEGEND

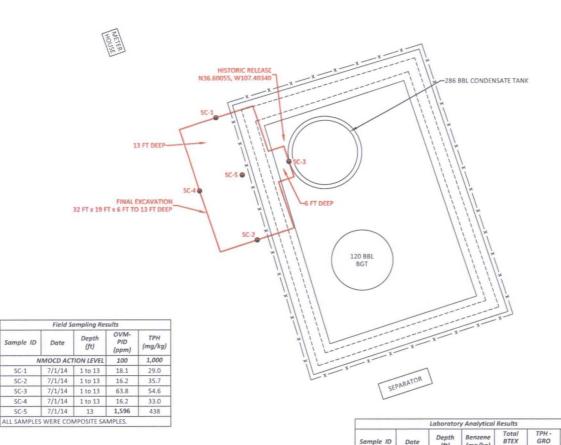
SAMPLE LOCATIONS

==== SECONDARY CONTAINMENT BERM

-x - FENCE



SAN JUAN 27-5 #45 WELLHEAD



SAN JUAN 27-5 #45 WELLHEAD

FIGURE 4

FINAL EXCAVATION SAMPLE LOCATIONS AND RESULTS JULY 2014

ConocoPhillips SAN JUAN 27-5 #45 NE½ SW½, SECTION 6, T27N, RSW RIO ARRIBA COUNTY, NEW MEXICO N36.60029, W107.40352



Animas Environmental Services, LLC

DRAWN BY:	DATE DRAWN:
C. Lameman	July 10, 2014
REVISIONS BY:	DATE REVISED:
C. Lameman	August 6, 2014
CHECKED BY:	DATE CHECKED:
D. Watson	August 6, 2014
APPROVED BY:	DATE APPROVED:
E. McNally	August 6, 2014

LEGEND

SAMPLE LOCATIONS

==== SECONDARY CONTAINMENT BERM

-x - FENCE

TPH -DRO

<10

11

<10

200

(mg/kg) (mg/kg) (mg/kg)

<4.9

<4.9

<4.7

1,000

(ft)

1 to 13

1 to 13

1 to 13

13

NMOCD ACTION LEVEL

SC-1

SC-3

SC-4

SC-5

7/1/14

7/1/14

7/1/14

7/1/14

7/1/14

(mg/kg)

10

NA

NA

NA

NA

1.9

ALL SAMPLES WERE ANALYZED PER EPA METHOD 8021B AND/OR 8015D.

50

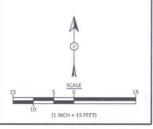
NA

NA

NA

NA

40.7



AES Field Sampling Report

Client: ConocoPhillips

Project Location: San Juan 27-5 #45

Date: 5/9/2014

Matrix: Soil



www.animasenvironmental.com

624 E. Comanche Farmington, NM 8740 505-564-228

Durango, Colorado 970-403-3084

								970-403-308
Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SB-1 @ Surface	5/9/2014	9:37	3.6		Not A	nalyzed for TPI	Н	
SB-1 @ 1'	5/9/2014	9:39	0.9		Not A	nalyzed for TPI	Н	
SB-1 @ 2'	5/9/2014	9:42	0.9		Not A	nalyzed for TPI	Н	
SB-1 @ 4'	5/9/2014	11:35	0.9		Not A	nalyzed for TPI	Н	
SB-2 @ Surface	5/9/2014	9:43	1,509	1,980	14:52	200	10	SAL
SB-2 @ 1'	5/9/2014	9:45	385		Not A	nalyzed for TPI	Н	
SB-2 @ 2'	5/9/2014	9:47	38.1	1,902	13:21	20.0	1	SAL
SB-2 @ 3'	5/9/2014	9:49	30.0		Not A	nalyzed for TPI	Н	
SB-2 @ 4'	5/9/2014	9:50	87.7		Not A	nalyzed for TPI	Н	
SB-2 @ 5'	5/9/2014	9:51	43.5	Not Analyzed for TPH				
SB-2 @ 6'	5/9/2014	9:52	352	33.3	13:24	20.0	1	SAL
SB-2 @ 7'	5/9/2014	9:54	36.7		Not A	Analyzed for TP	Н	
SB-2 @ 8'	5/9/2014	9:56	81.8		Not A	Analyzed for TPI	Н	
SB-2 @ 9'	5/9/2014	9:58	35.1	27.8	13:32	20.0	1	SAL
SB-3 @ Surface	5/9/2014	10:05	75.5	32.0	15:36	20.0	1	SAL
SB-3 @ 2'	5/9/2014	12:02	3.5		Not A	Analyzed for TP	Н	
SB-3 @ 4'	5/9/2014	12:05	1.7	34.6	15:28	20.0	1	SAL
SB-4 @ Surface	5/9/2014	10:20	0.3		Not A	Analyzed for TP	Н	
SB-4 @ 1'	5/9/2014	10:21	0.2		Not A	Analyzed for TP	Н	
SB-4 @ 2'	5/9/2014	10:22	0.0		Not A	Analyzed for TP	Н	
SB-4 @ 4'	5/9/2014	11:46	0.2		Not A	Analyzed for TP	Н	
SB-5 @ Surface	5/9/2014	11:50	265	159	15:25	20.0	1	SAL
SB-5 @ 2'	5/9/2014	11:54	12.1		Not A	Analyzed for TP	Н	
SB-5 @ 4'	5/9/2014	11:58	34.4	35.9	15:31	20.0	1	SAL
SB-6 @ Surface	5/9/2014	14:05	0.4		Not A	Analyzed for TP	Н	
SB-6 @ 2'	5/9/2014	14:06	0.3		Not A	Analyzed for TP	Н	

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials		
SB-6 @ 4'	5/9/2014	14:08	0.2	, 0, 0,	Not A	Analyzed for TP	Н			
SB-7 @ Surface	5/9/2014	14:12	0.3		Not A	Analyzed for TP	Н			
SB-7 @ 2'	5/9/2014	14:13	0.1		Not Analyzed for TPH					
SB-7 @ 4'	5/9/2014	14:14	0.1	Not Analyzed for TPH						
SB-8 @ Surface	5/9/2014	14:17	0.4		Not A	Analyzed for TP	Н			
SB-8 @ 2'	5/9/2014	14:18	0.0		Not A	Analyzed for TP	Н			
SB-8 @ 4'	5/9/2014	14:20	0.3		Not A	Analyzed for TP	Н			
SB-9 @ Surface	5/9/2014	14:30	13.9	37.2	15:54	20.0	1	SAL		
SB-9 @ 2'	5/9/2014	14:31	0.6	Not Analyzed for TPH						
SB-9 @ 4'	5/9/2014	14:33	0.0		Not A	Analyzed for TP	Н			

•	

Dilution Factor

Total Petroleum Hydrocarbons - USEPA 418.1

NA

Not Analyzed

ND

Not Detected at the Reporting Limit

PQL

Practical Quantitation Limit

Analyst: Stephanicoslyn

* TPH concentrations recorded may be below PQL.

AES Field Sampling Report

ARS Animas Environmental Services, LLC

www.animasenvironmental.com

624 E. Comanche Farmington, NM 87401 505-564-2281

> Durango, Colorado 970-403-3084

Client: ConocoPhillips

Project Location: San Juan 27-5 #45

Date: 7/1/2014

Matrix: Soil

Sample ID	Collection Date	Collection Time	Sample Location	OVM (ppm)	Field TPH* (mg/kg)	TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SC-1	7/1/2014	9:00	North Wall	18.1	29.0	9:55	20.0	1	SAL
SC-2	7/1/2014	10:10	South Wall	16.2	35.7	10:28	20.0	1	SAL
SC-3	7/1/2014	9:10	East Wall	63.8	54.6	10:05	20.0	1	SAL
SC-4	7/1/2014	9:15	West Wall	16.2	33.0	10:08	20.0	1	SAL
SC-5	7/1/2014	9:20	Base	1,596	438	10:11	20.0	1	SAL

DF

Dilution Factor

NA

Not Analyzed

ND

Not Detected at the Reporting Limit

PQL

Practical Quantitation Limit

*TPH concentrations recorded may be below PQL.

Total Petroleum Hydrocarbons - USEPA 418.1

stephanicoslyn

Analyst:

Page 1

Report Finalized: 7/1/14



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

July 07, 2014

Debbie Watson Animas Environmental 624 East Comanche Farmington, NM 87401 TEL: (505) 486-4071

FAX

RE: CoP San Juan 27-5 #45

OrderNo.: 1407068

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 7/1/2014 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 1407068

Date Reported: 7/7/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Project: CoP San Juan 27-5 #45

Lab ID: 1407068-001

Client Sample ID: SC-5

Collection Date: 7/1/2014 9:20:00 AM

Matrix: MEOH (SOIL) Received Date: 7/1/2014 4:20:00 PM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS				Analys	JME
Diesel Range Organics (DRO)	200	9.9	mg/Kg	1	7/2/2014 11:12:46 AM	14014
Surr: DNOP	83.3	57.9-140	%REC	1	7/2/2014 11:12:46 AM	14014
EPA METHOD 8015D: GASOLINE RA	ANGE				Analys	: NSB
Gasoline Range Organics (GRO)	580	170	mg/Kg	50	7/2/2014 11:08:44 AM	R19633
Surr: BFB	107	80-120	%REC	50	7/2/2014 11:08:44 AM	R19633
EPA METHOD 8021B: VOLATILES					Analys	: NSB
Benzene	1.9	1.7	mg/Kg	50	7/2/2014 11:08:44 AM	R19633
Toluene	17	1.7	mg/Kg	50	7/2/2014 11:08:44 AM	R19633
Ethylbenzene	1.8	1.7	mg/Kg	50	7/2/2014 11:08:44 AM	R19633
Xylenes, Total	20	3.3	mg/Kg	50	7/2/2014 11:08:44 AM	R19633
Surr: 4-Bromofluorobenzene	110	80-120	%REC	50	7/2/2014 11:08:44 AM	R19633

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 4

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

Hall Environmental Analysis Laboratory, Inc.

WO#:

1407068

07-Jul-14

Client: Project:

Animas Environmental CoP San Juan 27-5 #45

Sample ID MB-14014 SampType: MBLK TestCode: EPA Method 8015D: Diesel Range Organics Client ID: **PBS** Batch ID: 14014 RunNo: 19624 Units: mg/Kg Prep Date: 7/2/2014 Analysis Date: 7/2/2014 SegNo: 569693 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) ND 10 Surr: DNOP 7.9 10.00 79.4 57.9 140 TestCode: EPA Method 8015D: Diesel Range Organics Sample ID LCS-14014 SampType: LCS

Client ID: LCSS Batch ID: 14014 RunNo: 19624 Prep Date: 7/2/2014 Analysis Date: 7/2/2014 SeqNo: 569694 Units: mg/Kg Analyte Result SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 44 10 50.00 0 88.2 68.6 130 Surr: DNOP 3.6 5.000 72.0 57.9 140

Sample ID 1407069-001AMS TestCode: EPA Method 8015D: Diesel Range Organics SampType: MS Client ID: BatchQC Batch ID: 14014 RunNo: 19653 Prep Date: 7/2/2014 Analysis Date: 7/3/2014 SeqNo: 571952 Units: mg/Kg Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 50 10 50.35 0 99.2 40.1 152 Surr: DNOP 4.7 5.035 94.0 57.9 140

Sample ID 1407069-001AMSD TestCode: EPA Method 8015D: Diesel Range Organics SampType: MSD RunNo: 19653 Client ID: BatchQC Batch ID: 14014 Prep Date: 7/2/2014 Analysis Date: 7/3/2014 SeqNo: 571960 Units: mg/Kg %REC HighLimit %RPD **RPDLimit** Analyte Result PQL SPK value SPK Ref Val LowLimit 32.1 50 40.1 0.124 Diesel Range Organics (DRO) 10 50.00 0 100 152 Surr: DNOP 4.7 5.000 95.0 57.9 140 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 2 of 4

Hall Environmental Analysis Laboratory, Inc.

1000

WO#:

1407068

07-Jul-14

Client:

Animas Environmental

Project:

Surr: BFB

CoP San Juan 27-5 #45

Sample ID MB-14005 MK SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: R19633 RunNo: 19633 Prep Date: Analysis Date: 7/2/2014 SeqNo: 570341 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) ND 5.0 960 Surr: BFB 96.1 80 1000 120

Sample ID LCS-14005 MK SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: R19633 RunNo: 19633 Prep Date: Analysis Date: 7/2/2014 SeqNo: 570342 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte 29 5.0 25.00 0 115 71.7 134 Gasoline Range Organics (GRO)

104

80

120

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 3 of 4

Hall Environmental Analysis Laboratory, Inc.

WO#:

1407068

07-Jul-14

Client:

Animas Environmental

Project:

CoP San Juan 27-5 #45

Sample ID MB-14005 MK	SampType: MBLK TestCode: EPA Method 8021B: Volatiles											
Client ID: PBS	Batch	n ID: R1	9633	R	RunNo: 1	9633						
Prep Date:	Analysis D	Date: 7/	2/2014	S	SeqNo: 5	70363	Units: mg/k	(g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	ND											
Toluene	ND	0.050										
Ethylbenzene	ND	0.050										
Xylenes, Total	ND	0.10										
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120			,		
Sample ID LCS-14005 MK	SampT	SampType: LCS TestCode: EPA Method 8021B: Volatiles										
Client ID: LCSS	Batch ID: R19633 RunNo: 19633											

Sample ID LCS-14005 WIK	Samprype. LCS Testcode. EFA Method 6021B. Volatiles										
Client ID: LCSS	Batch	n ID: R1	9633	R	9633						
Prep Date:	Analysis D	ate: 7/	2/2014	S	Units: mg/K	(g					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	1.1	0.050	1.000	0	110	80	120				
Toluene	1.1	0.050	1.000	0	108	80	120				
Ethylbenzene	1.1	0.050	1.000	0	110	80	120				
Xylenes, Total	3.3	0.10	3.000	0	120						
Surr: 4-Bromofluorobenzene	1.1 1.000 114 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

Page 4 of 4



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87105

Sample Log-In Check List TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Client Name: Animas Environmental Work Order Number	: 1407068		RoptNo: 1
Received by/date: 400 07 01	4		
Logged By: Ashley Gallegos 7/1/2014 4:20:00 PM	•	A	
Completed By: Ashley Gallegos 7/1/2014 4:30:31 PM		A	
Reviewed By:	u	. 0	
Chain of Custody			Man and a second
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 🗆
** The all attempt made to over the samples?	169 (2)		IW C
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 🗆	
o. Sample(s) in proper contenter(s)?	Tes 🖭	W []	
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:
(Note discrepancies on chain of custody)			(<2 or >12 unless noted) Adjusted?
13. Are matrices correctly identified on Chain of Custody?	Yes 🗹	No 🗆	rajustau
14. Is it clear what analyses were requested?	Yes 🗹	No 🗆	Checked by:
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗸	No 🗀	Спескей ву.
(,,			
Special Handling (if applicable)			
16. Was client notified of all discrepancies with this order?	Yes	No 🗌	NA ₩
Person Notified: Date:			
By Whom: Via:	eMall	Phone Fax	In Person
Regarding:	-		
Client Instructions:			
17. Additional remarks:	4		
18. Cooler Information			
Cooler No Temp °C Condition Seal Intact Seal No	Seal Date	Signed By	
1 1.0 Good Yes			

		-of-Cu	stody Record	Turn-Around	Time:						LAI		E	BIS	TE	20	BIE	ME	NT	- 41	
Client:	Anim	as E	nvironmental	☐ Standard	N Rush	Samoday	-												ATC		
				Project Name):	7-5#45														JIC	I
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Phone:	#: 505	564	228									A		sis	Req	ues	t				
email o	r Fax#:			Project Mana	ger:		=	nly)	RO		- 1			04)	-						
QA/QC I	Package:		☐ Level 4 (Full Validation)	D. Wats	on		TMB's (8021)	TPH (Gas only)	N N			SIMS)		PO4,S	PCB's						
Accred				Sampler: S.			MB.	H	6			0.8		02,	082						
O NEL	AP	□ Othe	r	On Ice:	Yes	⊡ No-	F	F		18.	2	8270		N°60	8/8		8				Z Z
O EDD	(Type)			Sample Temp	perature:		BE	BE	0	4 b	9	000	tals	J,NC	ides	8	8				3
Date	Time	Matrix	Sample Request ID		Preservative Type	HEALTHO	втех € мтве	BTEX + MTBE +	TPH 8015B (GROXOROY MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or	RCRA 8 Metals	Anions (F,CI,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)				Air Bubbles (Y or N)
7-1-14	0920	Soil	SC-5	Meory Kest	cold	-001	X		X												T
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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

July 09, 2014

Debbie Watson Animas Environmental 624 East Comanche Farmington, NM 87401 TEL: (505) 486-4071

FAX

RE: CoP San Juan 27-5 #45

OrderNo.: 1407069

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 4 sample(s) on 7/1/2014 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 1407069

Date Reported: 7/9/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Project: CoP San Juan 27-5 #45

Lab ID: 1407069-001

Client Sample ID: SC-1

Collection Date: 7/1/2014 9:00:00 AM

Received Date: 7/1/2014 4:20:00 PM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RAN	GE ORGANICS				Analys	st: JME
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/3/2014 12:28:35 PM	14014
Surr: DNOP	82.0	57.9-140	%REC	1	7/3/2014 12:28:35 PM	14014
EPA METHOD 8015D: GASOLINE R	ANGE				Analys	st: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/3/2014 1:31:27 PM	14038
Surr: BFB	95.4	80-120	%REC	1	7/3/2014 1:31:27 PM	14038

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 6

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

Lab Order 1407069

Date Reported: 7/9/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-2

Project: CoP San Juan 27-5 #45

Collection Date: 7/1/2014 10:10:00 AM

Lab ID: 1407069-002

Matrix: SOIL

Received Date: 7/1/2014 4:20:00 PM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RAN	GE ORGANICS				Analys	t: JME
Diesel Range Organics (DRO) Surr: DNOP	ND 88.6	10 57.9-140	mg/Kg %REC	1	7/3/2014 1:34:01 PM 7/3/2014 1:34:01 PM	14014 14014
EPA METHOD 8015D: GASOLINE R		07.0 7.10	701120			t: NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	7/3/2014 2:57:26 PM	14038
Surr: BFB	101	80-120	%REC	1	7/3/2014 2:57:26 PM	14038

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 6

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

Lab Order 1407069

Date Reported: 7/9/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-3

Project: CoP San Juan 27-5 #45

Collection Date: 7/1/2014 9:10:00 AM

Lab ID: 1407069-003

Matrix: SOIL

Received Date: 7/1/2014 4:20:00 PM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	GE ORGANICS				Analys	t: JME
Diesel Range Organics (DRO) Surr: DNOP	11 95.5	10 57.9-140	mg/Kg %REC	1	7/3/2014 1:55:46 PM 7/3/2014 1:55:46 PM	14014 14014
EPA METHOD 8015D: GASOLINE RA	ANGE				Analys	t: NSB
Gasoline Range Organics (GRO) Surr: BFB	ND 111	4.9 80-120	mg/Kg %REC	1	7/3/2014 3:26:05 PM 7/3/2014 3:26:05 PM	14038 14038

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 6

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

Lab Order 1407069

Date Reported: 7/9/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Project: CoP San Juan 27-5 #45

Lab ID: 1407069-004

Client Sample ID: SC-4

Collection Date: 7/1/2014 9:15:00 AM

Received Date: 7/1/2014 4:20:00 PM

Analyses	Result	RL Qu	DF	Date Analyzed	Batch	
EPA METHOD 8015D: DIESEL RAN	GE ORGANICS				Analys	t: JME
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/3/2014 2:17:38 PM	14014
Surr: DNOP	101	57.9-140	%REC	1	7/3/2014 2:17:38 PM	14014
EPA METHOD 8015D: GASOLINE R	ANGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/3/2014 3:54:41 PM	14038
Surr: BFB	96.7	80-120	%REC	1	7/3/2014 3:54:41 PM	14038

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 6

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

Hall Environmental Analysis Laboratory, Inc.

WO#:

1407069

09-Jul-14

Client:

Animas Environmental

Project: CoP San	Juan 27-5 #45								
Sample ID MB-14014	SampType: MI	BLK	Test	tCode: EF	A Method	8015D: Diese	el Range (Organics	
Client ID: PBS	Batch ID: 14	014	R	RunNo: 19	9624				
Prep Date: 7/2/2014	Analysis Date: 7	/2/2014	S	SeqNo: 56	69693	Units: mg/K	(g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND 10								
Surr: DNOP	7.9	10.00		79.4	57.9	140			
Sample ID LCS-14014	SampType: LC	s	Test	tCode: EF	A Method	8015D: Diese	el Range C	Organics	
Client ID: LCSS	Batch ID: 14	014	R	RunNo: 19	9624				
Prep Date: 7/2/2014	Analysis Date: 7	/2/2014	S	SeqNo: 56	39694	Units: mg/K	(g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44 10	50.00	0	88.2	68.6	130			
Surr: DNOP	3.6	5.000		72.0	57.9	140			
Sample ID 1407069-001AMS	SampType: M:	S	Test	tCode: EF	PA Method	8015D: Diese	el Range (Organics	
Client ID: SC-1	Batch ID: 14	014	R	RunNo: 19	9653				
Prep Date: 7/2/2014	Analysis Date: 7	/3/2014	S	SeqNo: 57	71952	Units: mg/K	(g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50 10	50.35	0	99.2	40.1	152			
Surr: DNOP	4.7	5.035		94.0	57.9	140			
Sample ID 1407069-001AMS	D SampType: M	SD	Tes	tCode: EF	PA Method	8015D: Dies	el Range (Organics	
Client ID: SC-1	Batch ID: 14	014	F	RunNo: 19	9653				
Prep Date: 7/2/2014	Analysis Date: 7	/3/2014	8	SeqNo: 5	71960	Units: mg/k	(g		
Analyte	Result PQL		SPK Ref Val	%REC		HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50 10		0	100	40.1	152	0.124	32.1	
Surr: DNOP	4.7	5.000		95.0	57.9	140	0	0	

Qualifiers:

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

Page 5 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#:

1407069

09-Jul-14

Client:

Animas Environmental

Project.

CoP San Juan 27-5 #45

Project: CoP San	Juan 27-5 #45				-	~			
Sample ID MB-14038	SampType: ME	BLK	Test	Code: EF	PA Method	8015D: Gaso	oline Rang	е	
Client ID: PBS	Batch ID: 140	038	R	unNo: 19	9690				
Prep Date: 7/2/2014	Analysis Date: 7/	3/2014	S	eqNo: 5	71821	Units: mg/k	⟨g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 950	1000		95.3	80	120			
Sample ID LCS-14038	SampType: LC	S	Test	Code: EF	PA Method	8015D: Gaso	oline Rang	e	
Client ID: LCSS	Batch ID: 140	038	R	tunNo: 19	9690				
Prep Date: 7/2/2014	Analysis Date: 7/	3/2014	S	SeqNo: 5	71822	Units: mg/k	(g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30 5.0	25.00	0	121	71.7	134			
Surr: BFB	1100	1000		112	80	120			
Sample ID 1407069-001AMS	SampType: MS	3	Test	tCode: EF	PA Method	8015D: Gaso	oline Rang	е	
Client ID: SC-1	Batch ID: 14	038	R	RunNo: 1	9690				
Prep Date: 7/2/2014	Analysis Date: 7/	3/2014	S	SeqNo: 5	71828	Units: mg/k	< g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	32 4.9	24.51	0	129	71.8	132			
Surr: BFB	1000	980.4		105	80	120			
Sample ID 1407069-001AMS	D SampType: MS	SD	Test	tCode: El	PA Method	8015D: Gaso	oline Rang	е	
Client ID: SC-1	Batch ID: 14	038	R	RunNo: 1	9690				
Prep Date: 7/2/2014	Analysis Date: 7/	3/2014	S	SeqNo: 5	71829	Units: mg/l	K g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	33 4.9	24.51	0	133	71.8	132	3.54	20	S
Surr: BFB	1000	980.4		106	80	120	0	0	

Qualifiers:

- 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

Page 6 of 6

Sample pH greater than 2. RL Reporting Detection Limit



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87105

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

Sample Log-In Check List

Client Name: Animas Environmental	Work Order Number	: 1407069		RcptNo:	1 .
Received by/date: W	PITIOTES				
Logged By: Ashley Gallegos	7/1/2014 4:20:00 PM		A		
Completed-By: Ashley Gallegos	7/1/2014 4:43:52 PM		A		
Reviewed By: A-07/02/14			. 0		
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					
4. Was an attempt made to cool the sample	s?	Yes 🗹	No 🗆	NA 🗆	
5. Were all samples received at a temperatu	re 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 tes	t(s)?	Yes 🗹	No 🗆		
8. Are samples (except VOA and ONG) prop	erly 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 bro	oken?	Yes 🗆	No 🗹	A of successed	
				# of preserved bottles checked	
12. Does paperwork match bottle labels?		Yes 🗹	No 🗌	for pH: (<2 o	r >12 unless noted)
(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?		Yes 🗹	No 🗆	Checked by:	
(If no, notify customer for authorization.)					
Special Handling (if applicable)					
16. Was client notified of all discrepancies wi	th this order?	Yes 🗌	No 🗆	NA 🗹	1
Person Notified:	Date:	m. 1 144			
By Whom:	Via:	☐ eMail ☐	Phone Fax	☐ In Person	
Regarding:	,		an objects bloods as a second		
Client Instructions:]
17. Additional remarks:					
18. Cooler Information Cooler No Temp C Condition 1 1.0 Good	Seal Intact Seal No	Seal Date	Signed By		
		-			

Date:	1/14	Date:									7-1-14	7-1-14	7-144	7-1-14	Date	□ EDD (Type)	O NELAP	Accreditation	Standard	email of Fax#:	and a	Phone #:	4	Mailing		Client:	C
Time:	12:40	Time:									216	910	1010	900	Time	(Type)_	AP	tation	dard	rax#.	Eaville	505	huminaton	Mailing Address:	8	Animas	hain-
Relinquished by	les	Relinquished by:									F.	Sol	SAS	Soul	Matrix		□ Other				- 1	72	200	624	Services		of-Cu
	Show Again	ned by:									80-4	Sc-3	Sc-2	Sc-1	Sample Request ID		91		☐ Level 4 (Full Validation)		0	564228	10418 MN	E Comambe	ILC	Environmental	Chain-of-Custody Record
Received by:	1	Received by:									1-402	1-402	1-402	1-402	Container Type and #	Sample Temperature:		Sampler: 5.	D. Watson	rioject manager.	Project Mana		Project #:	GP Sav	Project Name:	Standard	Turn-Around Time:
	F	7									cold	cold	Cold	cold	Preservative Type	perature:		Lang	3011	Sq.	ner:			San Juan	-	□ Rush	Time:
	Thought 10 20	Date Time									-004	-003	600-	-001	HEAL NO									27-5 #45			
Act	Wo	Remarks:													BTEX + MT	BE	+ T	MB	's (80	21)						П	
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HALL ENVIRONMENTAL ANALYSIS LABORATORY

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Time:	04:दा	Time:									915	910	1010	900	Time	DD (Type)_	editation IELAP	tandard	C Package:	il or Fax#:	505	Jammage	
	les	Relinquished by:									30	Sol	STO	Soul	Matrix		□ Other				195	ada	200
	Show Hen										80-4	Sc-3	Sc-2	Sc-1	Sample Request ID		35	☐ Level 4 (Full Validation)			5642281	NM 87401	C 1 01 1 10 1 10 1 10 10 10 10 10 10 10 1
	Mil	Received by:									1-402	1-402	1-402	1-402	Container Type and #	Sample Temperature:	Sampler: S. Lyny On Ice: Dares	D. Watson	•	Project Manager:		Project #:	
	R	٥									cold	cold	Cold	6/0	Preservative Type	erature:	Lynn						
	11,20	Date Time									1004	-003	2000	-001	HEAL NO	101							
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If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.