

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
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office to
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Burlington Resources Oil & Gas Company	Contact Lindsay Dumas
Address 3401 East 30th St, Farmington, NM	Telephone No. (505) 599-4089
Facility Name: San Juan 28-6 Unit 38	Facility Type: Gas Well

Surface Owner BLM	Mineral Owner SF-079051A	API No. 30-039-07197
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LOCATION OF RELEASE

Unit Letter A	Section 05	Township 27N	Range 06W	Feet from the 1150'	North/South Line FNL	Feet from the 800'	East/West Line FEL	County Rio Arriba
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Latitude **36.60701** Longitude **-107.48297**

NATURE OF RELEASE

Type of Release Historic Contamination	Volume of Release N/A	Volume Recovered N/A
Source of Release BGT	Date and Hour of Occurrence	Date and Hour of Discovery 8/22/13 2:00 PM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

RCVD DEC 27 '13
OIL CONS. DIV.
DIST. 3

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

The historical release was discovered during a BGT closure sampling at the location. Excavation and soil assessment were completed.

Describe Area Affected and Cleanup Action Taken.*

Excavation was 40' x 50' x 10' Deep. 1086 c/yds of soil was transported to IEI Land Farm and 1086 c/yds of clean soil was transported from Montoya pit and placed in the excavation site. Analytical results were below the regulatory standards – no further action required. The soil sampling report is attached for review.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: <i>Lindsay Dumas</i>	OIL CONSERVATION DIVISION	
Printed Name: Lindsay Dumas	Approved by Environmental Specialist: <i>Concilio</i>	
Title: Field Environmental Specialist	Approval Date: 9/4/14	Expiration Date:
E-mail Address: Lindsay.Dumas@conocophillips.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 12/23/13 Phone: (505) 599-4089		

* Attach Additional Sheets If Necessary

#NCS 1424732749

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Animas Environmental Services, LLC

www.animasenvironmental.com

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

Durango, Colorado
970-403-3084

December 4, 2013

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

Via electronic mail to:

SJBUE-Team@ConocoPhillips.com

**RE: Below Grade Tank Closure, Release Assessment, and Final Excavation Report
San Juan 28-6 Unit #38
Rio Arriba County, New Mexico**

Dear Ms. Dumas:

On August 13, August 16, September 4, and September 10, 2013, Animas Environmental Services, LLC (AES) completed below grade tank (BGT) closure sampling, an initial release assessment and environmental clearance of the final excavation limits at the ConocoPhillips (CoP) San Juan 28-6 Unit #38, located in Rio Arriba County, New Mexico. The historical release was discovered during BGT closure sampling at the location. An initial release assessment was completed on August 16, 2013. Final excavation sampling was completed on September 10, 2013.

1.0 Site Information

1.1 Location

Location – NE¼ NE¼, Section 5, T27N, R6W, Rio Arriba County, New Mexico
Well Head Latitude/Longitude – N36.60713 and W107.48347, respectively
Release Location Latitude/Longitude – N36.60711 and W107.48324, respectively
Land Jurisdiction – Bureau of Land Management
Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, August 2013

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 location was given a ranking score of 10 based on the following factors:

- **Depth to Groundwater:** A cathodic protection report form dated November 1992 reported the depth to groundwater at 200 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 discharges to the wash in Encierro Canyon is located approximately 825 feet northwest of the location. (10 points)

1.3 Assessment

AES was initially contacted by Doyle Clark, CoP representative, on August 12, 2013, for BGT closure sampling at the location. On August 13, 2013, Heather Woods of AES traveled to the location and collected six soil samples from below the BGT liner. 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. Sample locations are included on Figure 2.

Following BGT closure activities on August 13, 2013, five soil samples were collected from three test holes (TH-1 through TH-3) in and around the release area. On August 16, 2013, AES personnel returned to the location to complete the release assessment field work, which included collection and field screening of 47 soil samples from 10 soil borings (SB-1 through SB-10). Based on the field screening results, AES recommended further excavation of the release area. Sample locations are shown on Figure 3.

On September 4, 2013, AES returned to the location to collect confirmation soil samples of the excavation. The field screening activities included collection of six confirmation soil samples (SC-1 through SC-6) of the walls and base of the excavation. The area of the final excavation was approximately 2,430 square feet by 10.5 feet in depth. Based on field screening results and the presence of the confining sandstone layer, BLM recommended that the excavation be sprayed with potassium permanganate and left open in order for residual petroleum hydrocarbons to volatilize. AES returned to collect two additional confirmation samples (SC-7 and SC-8) from the base of the excavation on September 10, 2013. Sample locations and final excavation extents are presented on Figure 4.

2.0 Soil Sampling

On August 13, 2013, during BGT closure sampling, AES personnel conducted field screening and collected five soil samples (S-1 through S-5) and one 5-point composite (BGT SC-1) from below the BGT. Surface soil samples were collected from the former BGT for field screening of volatile organic compounds (VOCs), total petroleum hydrocarbon (TPH), and chlorides.

A total of 52 soil samples (TH-1 through TH-3 and SB-1 through SB-10) and 8 composite samples (SC-1 through SC-8) were collected during the release and excavation assessments. All soil samples were field screened for VOCs, and selected samples were also analyzed for TPH. Five soil samples (SB-4, SB-5, SB-8 through SB-10) and four composite samples (SC-2, SC-5, SC-7, SC-8) collected during the assessments were submitted for confirmation laboratory analysis.

2.1 Field Screening

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 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 BGT 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 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. Soil samples were laboratory analyzed for:

- TPH for gasoline range organics (GRO) and diesel range organics (DRO) per U.S. Environmental Protection Agency (USEPA) Method 8015D.

Soil samples SB-4, SB-10, SC-2, SC-5, SC-7, and SC-8 were also analyzed for:

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

2.3 Field Screening and Laboratory Analytical Results

On August 13, 2013, BGT closure field screening readings for VOCs via OVM ranged from 6.6 ppm in S-1 up to 1,733 ppm in S-4. Field TPH concentrations ranged from 72.3 mg/kg in S-1 and S-3 up to 1,260 mg/kg in S-2. The field chloride concentration in BGT SC-1 was reported at 60 mg/kg.

On August 13, and August 16, 2013, initial assessment field screening results for VOCs via OVM showed concentrations ranging from 0.4 ppm in SB-9 and SB-10 up to 3,767 ppm in SB-1. Field TPH concentrations ranged from 82.3 mg/kg in SB-7 to 2,440 mg/kg in SB-2.

On September 4 and September 10, 2013, final excavation field screening results for VOCs via OVM ranged from 0.0 ppm in SC-1 and SC-4 up to 2,200 ppm in SC-5. Field TPH concentrations ranged from 76.2 mg/kg in SC-3 up to greater than 2,500 mg/kg in SC-2 and SC-5. Field screening VOC and TPH results are summarized in Table 1 and on Figures 2 through 4. The AES field screening reports are attached.

Table 1. Field Screening VOCs, TPH, and Chloride Results
San Juan 28-6 Unit #38
BGT Closure, Initial Release Assessment, and Final Excavation Report
August and September 2013

<i>Sample ID</i>	<i>Date Sampled</i>	<i>Sample Depth (ft bgs)</i>	<i>VOCs via OVM (ppm)</i>	<i>Field TPH (mg/kg)</i>	<i>Chloride (mg/kg)</i>
	<i>NMOCD Action Level*</i>		<i>100</i>	<i>100/1,000</i>	<i>250</i>
S-1	8/13/13	0.5	6.6	72.3	NA
S-2	8/13/13	0.5	533	1,260	NA
S-3	8/13/13	0.5	11.7	72.3	NA
S-4	8/13/13	0.5	1,733	375	NA
S-5	8/13/13	0.5	788	1,090	NA
BGT SC-1	8/13/13	0.5	NA	NA	60

Sample ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)	Field TPH (mg/kg)	Chloride (mg/kg)
	<i>NMOCD Action Level*</i>		100	100/1,000	250
TH-1	8/13/13	6.5	2,128	NA	NA
	8/13/13	8	1,702	1,020	NA
TH-2	8/13/13	4	1.6	NA	NA
TH-3	8/13/13	4.5	1,148	NA	NA
	8/13/13	7	2,101	NA	NA
SB-1	8/16/13	1	104	NA	NA
	8/16/13	2	1,549	NA	NA
	8/16/13	4	3,767	NA	NA
	8/16/13	6	3,644	NA	NA
	8/16/13	8	3,284	NA	NA
	8/16/13	9	3,031	1,950	NA
SB-2	8/16/13	1	35.6	NA	NA
	8/16/13	2	3,469	NA	NA
	8/16/13	4	1,013	NA	NA
	8/16/13	6	3,155	2,440	NA
SB-3	8/16/13	1	7.5	NA	NA
	8/16/13	2	7.3	NA	NA
	8/16/13	4	11.5	NA	NA
	8/16/13	6	3,287	NA	NA
	8/16/13	8	3,757	NA	NA
	8/16/13	9	3,165	1,060	NA
SB-4	8/16/13	1	29.0	NA	NA
	8/16/13	2	1.5	NA	NA
	8/16/13	4	1.6	NA	NA
	8/16/13	6	368	NA	NA
	8/16/13	8	2,816	183	NA

<i>Sample ID</i>	<i>Date Sampled</i>	<i>Sample Depth (ft bgs)</i>	<i>VOCs via OVM (ppm)</i>	<i>Field TPH (mg/kg)</i>	<i>Chloride (mg/kg)</i>
	<i>NMOCD Action Level*</i>		<i>100</i>	<i>100/1,000</i>	<i>250</i>
SB-5	8/16/13	0.5	1.1	NA	NA
	8/16/13	2	1.1	NA	NA
	8/16/13	4	1.4	NA	NA
	8/16/13	6	1.0	NA	NA
	8/16/13	8	1.0	127	NA
SB-6	8/16/13	0.5	0.7	NA	NA
	8/16/13	2	0.6	NA	NA
	8/16/13	4	1.1	NA	NA
	8/16/13	6	0.7	NA	NA
	8/16/13	7	14.5	99.3	NA
SB-7	8/16/13	0.5	0.8	NA	NA
	8/16/13	2	0.7	NA	NA
	8/16/13	6	0.7	NA	NA
	8/16/13	8	0.7	82.3	NA
SB-8	8/16/13	0.5	0.6	NA	NA
	8/16/13	2	0.6	NA	NA
	8/16/13	4	0.9	NA	NA
	8/16/13	6	0.7	NA	NA
	8/16/13	8	0.6	111	NA
SB-9	8/16/13	6	0.4	NA	NA
	8/16/13	8	0.7	110	NA
SB-10	8/16/13	0.5	0.4	NA	NA
	8/16/13	2	0.5	NA	NA
	8/16/13	4	0.5	NA	NA
	8/16/13	6	0.5	NA	NA
	8/16/13	8	49.9	102	NA
SC-1	9/4/13	1 to 10.5	0.0	78.9	NA
SC-2	9/4/13	10.5	1,906	>2,500	NA
SC-3	9/4/13	1 to 10.5	6.9	76.2	NA

<i>Sample ID</i>	<i>Date Sampled</i>	<i>Sample Depth (ft bgs)</i>	<i>VOCs via OVM (ppm)</i>	<i>Field TPH (mg/kg)</i>	<i>Chloride (mg/kg)</i>
		<i>NMOCD Action Level*</i>	100	100/1,000	250
SC-4	9/4/13	1 to 10.5	0.0	84.3	NA
SC-5	9/4/13	10.5	2,200	>2,500	NA
SC-6	9/4/13	1 to 10.5	41.6	85.6	NA
SC-7	9/10/13	10.5	1,883	760	NA
SC-8	9/10/13	10.5	1,967	2,091	NA

NA-Not Analyzed

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

Laboratory analyses for SB-4, SB-5, and SB-8 through SB-10 were used to confirm field screening results of the initial release assessment. Benzene concentrations in SB-4 and SB-10 were reported below the laboratory detection limits of 0.046 mg/kg and 0.047mg/kg, respectively. Total BTEX concentrations in SB-4 and SB-10 were reported less than 0.231 mg/kg and 0.235 mg/kg, respectively. TPH concentrations as GRO/DRO were reported above the detection limits in one sample, SB-4, with 47 mg/kg. .

Laboratory analyses for SC-2, SC-5, SC-7, and SC-8 were used to confirm field screening results from the final excavation. Benzene concentrations were reported in SC-2 (6.9 mg/kg), SC-5 (19 mg/kg), SC-7 (0.12 mg/kg), and SC-8 (0.35 mg/kg). Total BTEX concentrations were reported in SC-2 (318 mg/kg), SC-5 (681 mg/kg), SC-7 (6.0 mg/kg), and SC-8 (26.8 mg/kg). TPH concentrations as GRO/DRO were reported in SC-2 (4,400 mg/kg), SC-5 (8,730 mg/kg), SC-7 (520 mg/kg), and SC-8 (560 mg/kg). Results are presented in Table 2 and on Figures 3 and 4. Laboratory analytical reports are attached.

Table 2. Laboratory Analytical Results – Benzene, Total BTEX, and TPH
San Juan 28-6 Unit #38 Initial Release Assessment and Final Excavation
August and September 2013

<i>Sample ID</i>	<i>Date Sampled</i>	<i>Sample Depth (ft bgs)</i>	<i>Benzene (mg/kg)</i>	<i>Total BTEX (mg/kg)</i>	<i>TPH- GRO (mg/kg)</i>	<i>TPH- DRO (mg/kg)</i>
		<i>NMOCD Action Level*</i>	10	50	1,000	
SB-4	8/16/13	8	<0.046	<0.231	<4.6	47
SB-5	8/16/13	8	NA	NA	<4.8	<9.9
SB-8	8/16/13	8	NA	NA	<4.7	<10
SB-9	8/16/13	8	NA	NA	<4.6	<10

<i>Sample ID</i>	<i>Date Sampled</i>	<i>Sample Depth (ft bgs)</i>	<i>Benzene (mg/kg)</i>	<i>Total BTEX (mg/kg)</i>	<i>TPH-GRO (mg/kg)</i>	<i>TPH-DRO (mg/kg)</i>
NMOCD Action Level*			10	50	1,000	
SB-10	8/16/13	8	<0.047	<0.235	<4.7	<10
SC-2	9/4/13	10.5	6.9	318	3,900	500
SC-5	9/4/13	10.5	19	681	8,500	230
SC-7	9/10/13	10.5	0.12	6.0	160	360
SC-8	9/10/13	10.5	0.35	26.8	420	140

NA-Not Analyzed

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

3.0 Conclusions and Recommendations

NMOCD action levels for BGT closures are specified in New Mexico Administrative Code (NMAC) 19.15.17.13E. Field VOCs and TPH concentrations exceeded the NMOCD action level of 100 mg/kg in three samples (S-2, S-4, and S-5). The chloride concentration was reported below the NMOCD action level of 250 mg/kg. Based on field results for TPH, a release was confirmed at the location.

On August 13 and 16, 2013, AES conducted an initial assessment of petroleum contaminated soils associated with a historical release discovered during BGT closure activities at the San Juan 28-6 Unit #38. 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 screening results above the NMOCD action level of 100 ppm VOCs were reported in TH-1 through TH-3 and SB-1 through SB-4, with the highest VOC concentration reported in SB-1 with 3,767 ppm. Field screening results also showed TPH concentrations above the NMOCD action level of 1,000 mg/kg in TH-1 (1,020 mg/kg), SB-1 (1,950 mg/kg), SB-2 (2,440 mg/kg), and SB-3 (1,060 mg/kg). Laboratory analyses for SB-4, SB-5, and SB-8 through SB-10 were used to confirm field screening results. Benzene and total BTEX concentrations were reported below NMOCD action limits levels in SB-4 and SB-10. TPH concentrations as GRO/DRO were below the NMOCD action level of 1,000 mg/kg.

On September 4, 2013, clearance of the final excavation area was completed. Field screening results of the excavation extents showed that concentrations of VOCs and TPH were below NMOCD action levels for each of the final sidewalls of the excavation. However, the base of the excavation (SC-2 and SC-5) exceeded NMOCD action levels for

both VOCs and TPH. Laboratory analytical results for SC-2 reported benzene concentrations below the NMOCD action level, but total BTEX (318 mg/kg) and TPH as GRO/DRO (4,400 mg/kg) exceeded the NMOCD action levels of 50 mg/kg and 1,000 mg/kg, respectively. Laboratory results for SC-5 exceeded the applicable NMOCD action levels for benzene (19 mg/kg), total BTEX (681 mg/kg), and TPH (8,730 mg/kg). Further excavation of the base was not possible due to a competent layer of sandstone encountered at 10.5 feet bgs.

CoP consulted with Shari Ketcham of BLM and was instructed to apply potassium permanganate to the excavation and resample at a later date. On September 10, 2013, AES returned to the location and collected soil samples SC-7 and SC-8 from the base of the excavation. Field screening results for SC-7 and SC-8 reported VOC concentrations above the NMOCD action level of 100 ppm with 1,883 ppm and 1,967 ppm, respectively. Field screening results for TPH were reported at 760 mg/kg in SC-7 and 2,091 mg/kg in SC-8. However, laboratory analytical results collected on September 10, 2013, for SC-7 and SC-8 reported benzene, total BTEX, and TPH as GRO/DRO below applicable NMOCD action levels.

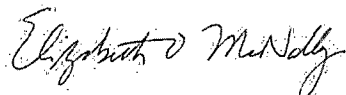
Based on the final field screening and laboratory analytical results of the excavation of petroleum contaminated soils at the San Juan 28-6 Unit #38, benzene, total BTEX, and TPH concentrations were below the applicable NMOCD action levels for all sidewalls and base of the final excavation. On September 19, 2013, CoP received approval to backfill the excavation from Shari Ketcham of the BLM and Brandon Powell of the NMOCD. No further work is recommended at the San Juan 28-6 Unit #38.

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

Sincerely,



David Reese
Environmental Scientist

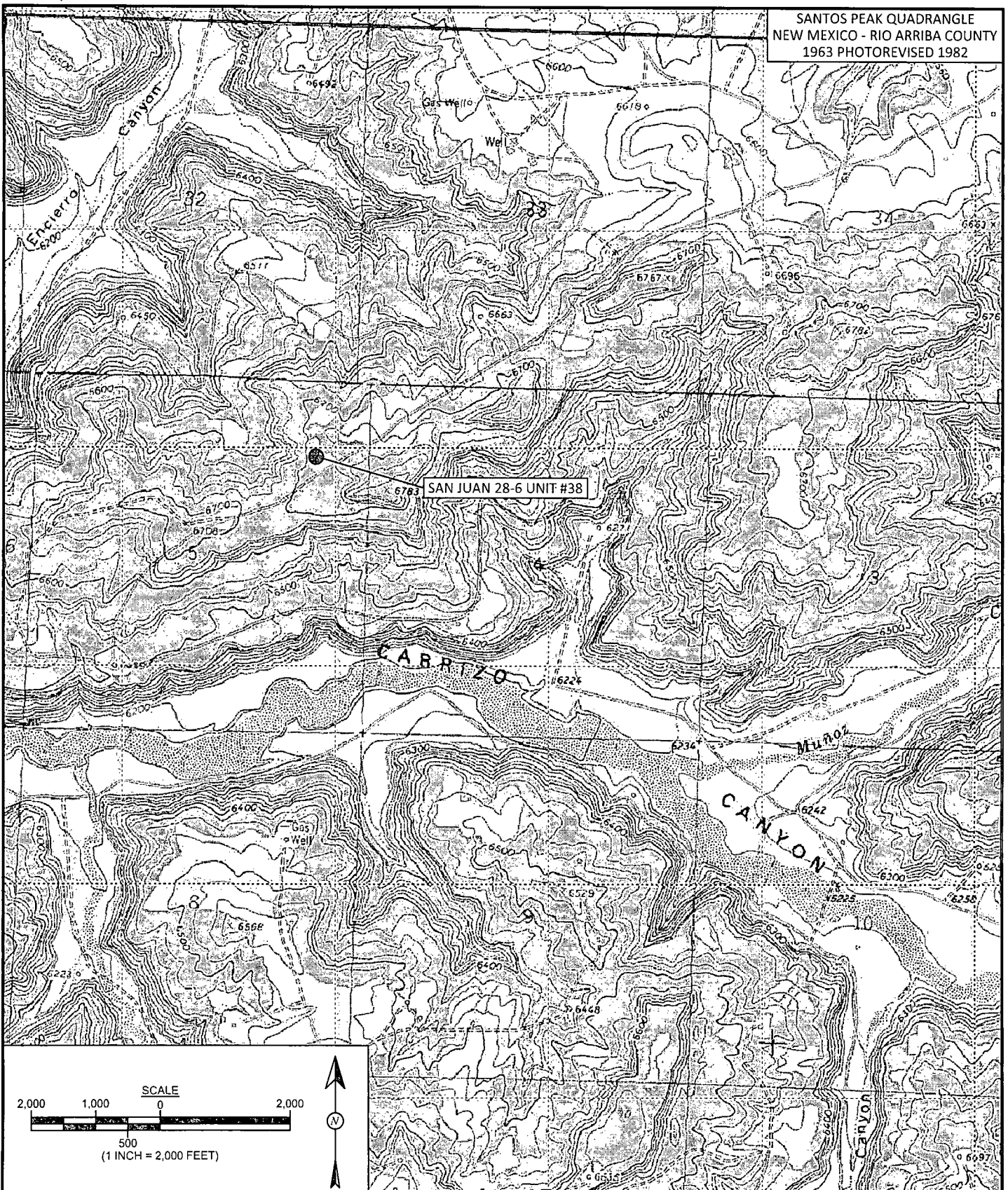


Elizabeth McNally, PE

Attachments:

- Figure 1. Topographic Site Location Map
- Figure 2. Aerial Site Map, August 2013
- Figure 3. Initial Assessment Sample Locations and Results, August 2013
- Figure 4. Final Excavation Sample Locations and Results, September 2013
- AES Field Screening Report 081313 BGT
- AES Field Screening Report 081313 Release Assessment
- AES Field Screening Report 081613
- AES Field Screening Report 090413
- AES Field Screening Report 091013
- Hall Laboratory Analytical Report 1308874
- Hall Laboratory Analytical Report 1309140
- Hall Laboratory Analytical Report 1309455

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Animas Environmental Services, LLC

DRAWN BY:
C. Lameman

DATE DRAWN:
August 13, 2013

REVISIONS BY:
C. Lameman

DATE REVISED:
August 13, 2013

CHECKED BY:
D. Watson

DATE CHECKED:
August 13, 2013

APPROVED BY:
E. McNally

DATE APPROVED:
August 13, 2013

FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP

ConocoPhillips
SAN JUAN 28-6 UNIT #38
NE¼ NE¼, SECTION 5, T27N, R6W
RIO ARriba COUNTY, NEW MEXICO
N36.60713, W107.48347

LEGEND

● SAMPLE LOCATIONS

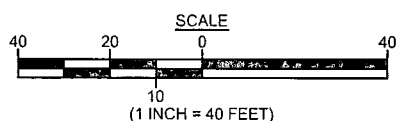
Field Screening Results				
Sample ID	Date	OVM-PID (ppm)	TPH (mg/kg)	Chlorides (mg/kg)
NMOCD ACTION LEVEL		--	100	250
S-1	8/13/13	6.6	72.3	NA
S-2	8/13/13	533	1,260	NA
S-3	8/13/13	11.7	72.3	NA
S-4	8/13/13	1,733	375	NA
S-5	8/13/13	788	1,090	NA
BGT SC-1	8/13/13	NA	NA	60

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

SAN JUAN 28-6 UNIT #38
WELLHEAD

BGT - N36.60711
W107.48324

S-5
S-4
S-3
S-2



AERIAL SOURCE: © 2013 MICROSOFT CORPORATION - AVAILABLE EXCLUSIVELY BY DIGITALGLOBE



Animas Environmental Services, LLC

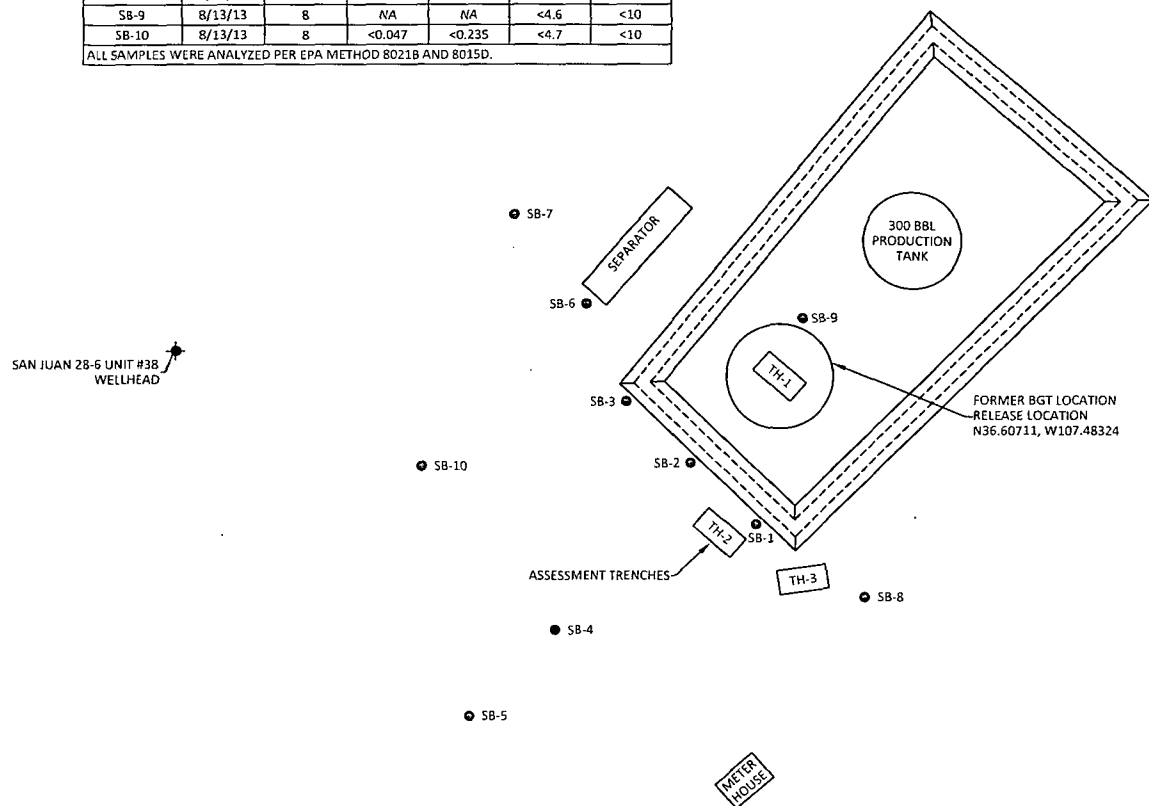
DRAWN BY: C. Lameman	DATE DRAWN: August 13, 2013
REVISIONS BY: C. Lameman	DATE REVISED: August 13, 2013
CHECKED BY: D. Watson	DATE CHECKED: August 13, 2013
APPROVED BY: E. McNally	DATE APPROVED: August 13, 2013

FIGURE 2

**AERIAL SITE MAP
BELOW GRADE TANK CLOSURE
AUGUST 2013**
ConocoPhillips
SAN JUAN 28-6 UNIT #38
NE¼ NE¼, SECTION 5, T27N, R6W
RIO ARriba COUNTY, NEW MEXICO
N36.60713, W107.48347

Laboratory Analytical 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	1,000	
SB-4	8/13/13	8	<0.046	<0.231	<4.6	47
SB-5	8/13/13	8	NA	NA	<4.8	<9.9
SB-8	8/13/13	8	NA	NA	<4.7	<10
SB-9	8/13/13	8	NA	NA	<4.6	<10
SB-10	8/13/13	8	<0.047	<0.235	<4.7	<10
ALL SAMPLES WERE ANALYZED PER EPA METHOD 8021B AND 8015D.						

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



Field Screening Results				
Sample ID	Date	Depth (ft)	OVUM-PID (ppm)	TPH (mg/kg)
NMOCD ACTION LEVEL				
TH-1	8/13/13	6.5	2,128	NA
		8	1,702	1,020
TH-2	8/13/13	4	1.6	NA
		4.5	1,148	NA
TH-3	8/13/13	7	2,101	NA
		1	104	NA
SB-1	8/16/13	2	1,549	NA
		4	3,767	NA
		6	3,644	NA
		8	3,284	NA
		9	3,031	1,950
SB-2	8/16/13	1	35.6	NA
		2	3,469	NA
		4	1,013	NA
SB-3	8/16/13	6	3,155	2,440
		1	7.5	NA
		2	7.3	NA
		4	11.5	NA
		6	3,287	NA
SB-4	8/16/13	8	3,757	NA
		9	3,165	1,060
		1	29.0	NA
SB-5	8/16/13	2	1.5	NA
		4	1.6	NA
		6	368	NA
SB-6	8/16/13	8	2,816	183
		0.5	1.1	NA
		2	1.1	NA
		4	1.4	NA
		6	1.0	NA
SB-7	8/16/13	8	1.0	127
		0.5	0.7	NA
		2	0.6	NA
SB-8	8/16/13	4	1.1	NA
		6	0.7	NA
		7	14.5	99.3
		0.5	0.8	NA
		2	0.7	NA
SB-9	8/16/13	6	0.7	NA
		8	0.7	82.3
		0.5	0.6	NA
SB-10	8/16/13	2	0.6	NA
		4	0.9	NA
		6	0.7	NA
		8	0.6	111
		0.5	0.4	NA

NA - NOT ANALYZED

FIGURE 3

INITIAL ASSESSMENT SAMPLE LOCATIONS AND RESULTS, AUGUST 2013
 ConocoPhillips
 SAN JUAN 28-6 UNIT #38
 NE 1/4 NE 1/4, SECTION 5, T27N, R6W
 RIO ARriba COUNTY, NEW MEXICO
 N36.60713, W107.48347



Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: August 16, 2013
REVISIONS BY: C. Lameman	DATE REVISED: August 16, 2013
CHECKED BY: D. Watson	DATE CHECKED: August 16, 2013
APPROVED BY: E. McNally	DATE APPROVED: August 16, 2013

LEGEND

- SOIL BORING LOCATIONS
- ===== SECONDARY CONTAINMENT BERM

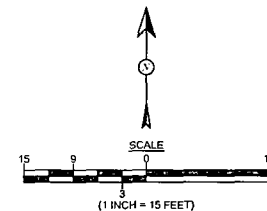


FIGURE 4

**FINAL ECAVATION SAMPLE
LOCATIONS AND RESULTS
SEPTEMBER 2013**

ConocoPhillips
SAN JUAN 28-6 UNIT #38
NE¼ NE¼, SECTION 5, T27N, R6W
RIO ARriba COUNTY, NEW MEXICO
N36.60713, W107.48347



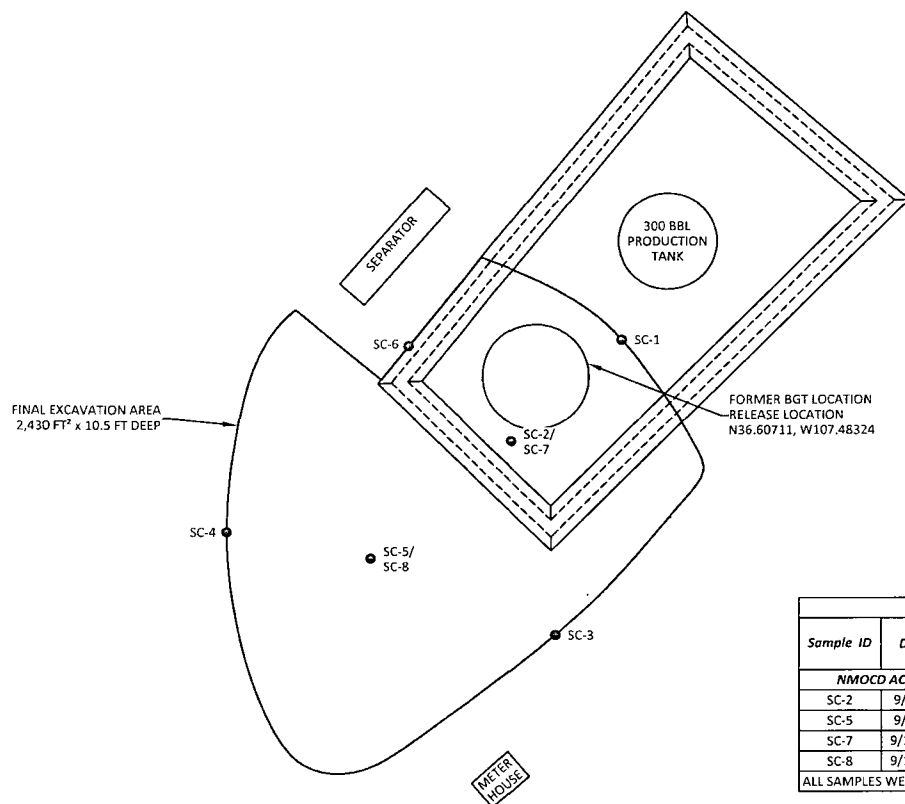
Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: October 8, 2013
REVISIONS BY: C. Lameman	DATE REVISED: October 8, 2013
CHECKED BY: D. Watson	DATE CHECKED: October 8, 2013
APPROVED BY: E. McNally	DATE APPROVED: October 8, 2013

LEGEND

- SOIL BORING LOCATIONS
- ===== SECONDARY CONTAINMENT BERM

SAN JUAN 28-6 UNIT #38
WELLHEAD

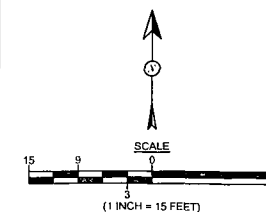


Field Screening Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
NMOCD ACTION LEVEL			100	1,000
SC-1	9/4/13	1 to 10.5	0.0	78.9
SC-2	9/4/13	10.5	1,906	>2,500
SC-3	9/4/13	1 to 10.5	6.9	76.2
SC-4	9/4/13	1 to 10.5	0.0	84.3
SC-5	9/4/13	10.5	2,200	>2,500
SC-6	9/4/13	1 to 10.5	41.6	85.6
SC-7	9/10/13	10.5	1,883	760
SC-8	9/10/13	10.5	1,967	2,091

ALL SAMPLES WERE COMPOSITE SAMPLES.

Laboratory Analytical 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	1,000	
SC-2	9/4/13	10.5	6.9	318	3,900	500
SC-5	9/4/13	10.5	19	681	8,500	230
SC-7	9/10/13	10.5	0.12	6.0	160	360
SC-8	9/10/13	10.5	0.35	26.8	420	140

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



AES Field Screening Report



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 28-6 #38 BGT

Date: 8/13/2013

Matrix: Soil

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	Field Chloride (mg/kg)	Field TPH Analysis Time	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
S-1	8/13/2013	9:12	North	6.6	NA	10:12	72.3	20.0	1	HW
S-2	8/13/2013	9:13	South	533	NA	10:14	1,260	20.0	1	HW
S-3	8/13/2013	9:14	East	11.7	NA	10:16	72.3	20.0	1	HW
S-4	8/13/2013	9:15	West	1,733	NA	10:19	375	20.0	1	HW
S-5	8/13/2013	9:16	Center	788	NA	10:21	1,090	20.0	1	HW
SC-1	8/13/2013	9:18	Composite	NA	60	Not Analyzed for TPH.				

DF Dilution Factor

NA Not Analyzed

ND Not Detected at the Reporting Limit

PQL Practical Quantitation Limit

*Field TPH concentrations recorded may be below PQL.

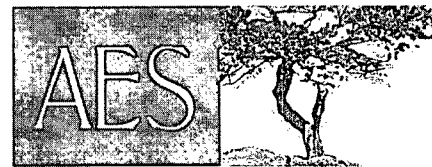
Field Chloride - Quantab Chloride Titrators or Drop Count Titration with Silver Nitrate

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst:

Heather M. Woods

AES Field Screening Report



Animas Environmental Services, LLC

www.animasenvironmental.com

Client: ConocoPhillips

Project Location: San Juan 28-6 #38 Release Assessment

Date: 8/13/2013

Matrix: Soil

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

Durango, Colorado
970-403-3084

Sample ID	Collection Date	Time of Sample Collection	OVM (ppm)	Field TPH Analysis Time	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
TH-1 @ 6.5'	8/13/2013	10:24	2,128	Not analyzed for TPH.				HW
TH-1 @ 8'	8/13/2013	10:43	1,702	11:09	1,020	40.0	1	HMW
TH-2 @ 4'	8/13/2013	10:26	1.6	Not analyzed for TPH.				HW
TH-3 @ 4.5'	8/13/2013	10:28	1,148	Not analyzed for TPH.				HW
TH-3 @ 7'	8/13/2013	10:50	2,101	Not analyzed for TPH.				HW

DF Dilution Factor

Total Petroleum Hydrocarbons - USEPA 418.1

NA Not Analyzed

ND Not Detected at the Reporting Limit

PQL Practical Quantitation Limit

Analyst:

Leather M. Woods

*Field TPH concentrations recorded may be below PQL.

AES Field Screening Report



Animas Environmental Services, LLC

www.animasenvironmental.com

Client: ConocoPhillips

Project Location: San Juan 28-6 #38

Date: 8/16/2013

Matrix: Soil

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

Durango, Colorado
970-403-3084

Sample ID	Collection Date	Time of Sample Collection	OVM (ppm)	Field TPH Analysis Time	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SB-1 @ 1'	8/16/2013	11:00	104	Not Analyzed for TPH.				
SB-1 @ 2'	8/16/2013	11:03	1,549	Not Analyzed for TPH.				
SB-1 @ 4'	8/16/2013	11:06	3,767	Not Analyzed for TPH.				
SB-1 @ 6'	8/16/2013	11:09	3,644	Not Analyzed for TPH.				
SB-1 @ 8'	8/16/2013	11:12	3,284	Not Analyzed for TPH.				
SB-1 @ 9'	8/16/2013	11:15	3,031	11:58	1,950	100	1	HMW
SB-2 @ 1'	8/16/2013	11:32	35.6	Not Analyzed for TPH.				
SB-2 @ 2'	8/16/2013	11:36	3,469	Not Analyzed for TPH.				
SB-2 @ 4'	8/16/2013	11:40	1,013	Not Analyzed for TPH.				
SB-2 @ 6'	8/16/2013	11:44	3,155	12:34	2,440	20.0	1	HMW
SB-3 @ 1'	8/16/2013	11:48	7.5	Not Analyzed for TPH.				
SB-3 @ 2'	8/16/2013	11:51	7.3	Not Analyzed for TPH.				
SB-3 @ 4'	8/16/2013	11:55	11.5	Not Analyzed for TPH.				
SB-3 @ 6'	8/16/2013	12:15	3,287	Not Analyzed for TPH.				
SB-3 @ 8'	8/16/2013	12:21	3,757	Not Analyzed for TPH.				
SB-3 @ 9'	8/16/2013	12:30	3,165	13:40	1,060	20.0	1	HMW
SB-4 @ 1'	8/16/2013	12:33	29.0	Not Analyzed for TPH.				
SB-4 @ 2'	8/16/2013	12:36	1.5	Not Analyzed for TPH.				
SB-4 @ 4'	8/16/2013	12:39	1.6	Not Analyzed for TPH.				
SB-4 @ 6'	8/16/2013	12:54	368	Not Analyzed for TPH.				
SB-4 @ 8'	8/16/2013	12:59	2,816	13:44	183	20.0	1	HMW
SB-5 @ 0.5'	8/16/2013	13:03	1.1	Not Analyzed for TPH.				
SB-5 @ 2'	8/16/2013	13:06	1.1	Not Analyzed for TPH.				

Sample ID	Collection Date	Time of Sample Collection	OVM (ppm)	Field TPH Analysis Time	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SB-5 @ 4'	8/16/2013	13:09	1.4	Not Analyzed for TPH.				
SB-5 @ 6'	8/16/2013	13:13	1.0	Not Analyzed for TPH.				
SB-5 @ 8'	8/16/2013	13:17	1.0	13:52	127	20.0	1	HMW
SB-6 @ 0.5'	8/16/2013	13:26	0.7	Not Analyzed for TPH.				
SB-6 @ 2'	8/16/2013	13:29	0.6	Not Analyzed for TPH.				
SB-6 @ 4'	8/16/2013	13:32	1.1	Not Analyzed for TPH.				
SB-6 @ 6'	8/16/2013	13:35	0.7	Not Analyzed for TPH.				
SB-6 @ 7'	8/16/2013	14:00	14.5	15:04	99.3	20.0	1	HMW
SB-7 @ 0.5'	8/16/2013	14:05	0.8	Not Analyzed for TPH.				
SB-7 @ 2'	8/16/2013	14:20	0.7	Not Analyzed for TPH.				
SB-7 @ 6'	8/16/2013	14:26	0.7	Not Analyzed for TPH.				
SB-7 @ 8'	8/16/2013	14:32	0.7	15:07	82.3	20.0	1	HW
SB-8 @ 0.5'	8/16/2013	14:40	0.6	Not Analyzed for TPH.				
SB-8 @ 2'	8/16/2013	14:44	0.6	Not Analyzed for TPH.				
SB-8 @ 4'	8/16/2013	14:48	0.9	Not Analyzed for TPH.				
SB-8 @ 6'	8/16/2013	15:08	0.7	Not Analyzed for TPH.				
SB-8 @ 8'	8/16/2013	15:12	0.6	15:34	111	20.0	1	HMW
SB-9 @ 6'	8/16/2013	15:18	0.4	Not Analyzed for TPH.				
SB-9 @ 8'	8/16/2013	15:23	0.7	16:04	110	20.0	1	HMW
SB-10 @ 0.5'	8/16/2013	15:30	0.4	Not Analyzed for TPH.				
SB-10 @ 2'	8/16/2013	15:34	0.5	Not Analyzed for TPH.				
SB-10 @ 4'	8/16/2013	15:39	0.5	Not Analyzed for TPH.				
SB-10 @ 6'	8/16/2013	15:45	0.5	Not Analyzed for TPH.				
SB-10 @ 8'	8/16/2013	15:50	49.9	16:06	102	20.0	1	HMW

DF Dilution Factor

NA Not Analyzed

ND Not Detected at the Reporting Limit

PQL Practical Quantitation Limit

*Field TPH concentrations recorded may be below PQL.

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst:

Leather M. Woods

AES Field Screening Report



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 28-6 #38

Date: 9/4/2013

Matrix: Soil

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	Field TPH Analysis Time	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SC-1	9/4/2013	10:38	East Wall	0.0	11:37	78.9	20.0	1	HMW
SC-2	9/4/2013	10:40	East Base	1,906	11:39	>2,500	20.0	1	HMW
SC-3	9/4/2013	10:43	South Wall	6.9	11:42	76.2	20.0	1	HMW
SC-4	9/4/2013	10:51	West Wall	0.0	11:44	84.3	20.0	1	HMW
SC-5	9/4/2013	10:56	West Base	2,200	11:46	>2,500	20.0	1	HMW
SC-6	9/4/2013	11:00	North Wall	41.6	11:48	85.6	20.0	1	HMW

DF Dilution Factor

NA Not Analyzed

ND Not Detected at the Reporting Limit

PQL Practical Quantitation Limit

*Field TPH concentrations recorded may be below PQL.

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst:

Heather M. Woods

AES Field Screening Report



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 28-6 #38

Date: 9/10/2013

Matrix: Soil

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	Field TPH Analysis Time	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SC-7	9/10/2013	9:45	East Base	1,883	10:30	760	20.0	1	DAW
SC-8	9/10/2013	9:50	West Base	1,967	10:34	2,091	20.0	1	DAW

DF Dilution Factor

NA Not Analyzed

ND Not Detected at the Reporting Limit

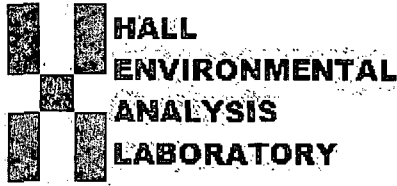
PQL Practical Quantitation Limit

**Field TPH concentrations recorded may be below PQL.*

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst:

Debrah Wata



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

August 27, 2013

Debbie Watson

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

RE: CoP San Juan 28-6 #38

OrderNo.: 1308874

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 5 sample(s) on 8/20/2013 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 qualifiers 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman'.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 1308874

Date Reported: 8/27/2013

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental**Client Sample ID:** SB-4 @ 8'**Project:** CoP San Juan 28-6 #38**Collection Date:** 8/13/2013 12:59:00 PM**Lab ID:** 1308874-001**Matrix:** SOIL**Received Date:** 8/20/2013 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	47	9.9		mg/Kg	1	8/22/2013 6:26:58 PM	8966
Surr: DNOP	105	63-147		%REC	1	8/22/2013 6:26:58 PM	8966
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/22/2013 11:53:48 AM	8964
Surr: BFB	117	80-120		%REC	1	8/22/2013 11:53:48 AM	8964
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.046		mg/Kg	1	8/22/2013 11:53:48 AM	8964
Toluene	ND	0.046		mg/Kg	1	8/22/2013 11:53:48 AM	8964
Ethylbenzene	ND	0.046		mg/Kg	1	8/22/2013 11:53:48 AM	8964
Xylenes, Total	ND	0.093		mg/Kg	1	8/22/2013 11:53:48 AM	8964
Surr: 4-Bromofluorobenzene	103	80-120		%REC	1	8/22/2013 11:53:48 AM	8964

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

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

Analytical Report

Lab Order 1308874

Date Reported: 8/27/2013

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental**Client Sample ID:** SB-5 @ 8'**Project:** CoP San Juan 28-6 #38**Collection Date:** 8/13/2013 1:17:00 PM**Lab ID:** 1308874-002**Matrix:** SOIL**Received Date:** 8/20/2013 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/22/2013 7:57:46 PM	8966
Surr: DNOP	102	63-147		%REC	1	8/22/2013 7:57:46 PM	8966
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/22/2013 1:19:48 PM	8964
Surr: BFB	94.5	80-120		%REC	1	8/22/2013 1:19:48 PM	8964

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

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

Analytical Report

Lab Order 1308874

Date Reported: 8/27/2013

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental**Client Sample ID:** SB-8 @ 8'**Project:** CoP San Juan 28-6 #38**Collection Date:** 8/13/2013 3:12:00 PM**Lab ID:** 1308874-003**Matrix:** SOIL**Received Date:** 8/20/2013 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/22/2013 8:28:21 PM	8966
Surr: DNOP	112	63-147		%REC	1	8/22/2013 8:28:21 PM	8966
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/22/2013 2:45:56 PM	8964
Surr: BFB	91.9	80-120		%REC	1	8/22/2013 2:45:56 PM	8964

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

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

Analytical Report

Lab Order 1308874

Date Reported: 8/27/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SB-9 @ 8'

Project: CoP San Juan 28-6 #38

Collection Date: 8/13/2013 3:23:00 PM

Lab ID: 1308874-004

Matrix: SOIL

Received Date: 8/20/2013 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/22/2013 8:58:43 PM	8966
Surr: DNOP	91.7	63-147		%REC	1	8/22/2013 8:58:43 PM	8966
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/22/2013 3:14:36 PM	8964
Surr: BFB	90.7	80-120		%REC	1	8/22/2013 3:14:36 PM	8964

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

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

Analytical Report

Lab Order 1308874

Date Reported: 8/27/2013

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental**Client Sample ID:** SB-10 @ 8'**Project:** CoP San Juan 28-6 #38**Collection Date:** 8/13/2013 3:50:00 PM**Lab ID:** 1308874-005**Matrix:** SOIL**Received Date:** 8/20/2013 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/22/2013 9:29:02 PM	8966
Surr: DNOP	97.3	63-147		%REC	1	8/22/2013 9:29:02 PM	8966
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/22/2013 3:43:15 PM	8964
Surr: BFB	93.2	80-120		%REC	1	8/22/2013 3:43:15 PM	8964
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	8/22/2013 3:43:15 PM	8964
Toluene	ND	0.047		mg/Kg	1	8/22/2013 3:43:15 PM	8964
Ethylbenzene	ND	0.047		mg/Kg	1	8/22/2013 3:43:15 PM	8964
Xylenes, Total	ND	0.094		mg/Kg	1	8/22/2013 3:43:15 PM	8964
Surr: 4-Bromofluorobenzene	103	80-120		%REC	1	8/22/2013 3:43:15 PM	8964

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1308874

27-Aug-13

Client: Animas Environmental

Project: CoP San Juan 28-6 #38

Sample ID	MB-8966	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	8966	RunNo:	12805					
Prep Date:	8/21/2013	Analysis Date:	8/22/2013	SeqNo:	365836	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	9.9		10.00		98.8	63	147			

Sample ID	LCS-8966	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	8966	RunNo:	12805					
Prep Date:	8/21/2013	Analysis Date:	8/22/2013	SeqNo:	365840	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	85.2	77.1	128			
Surr: DNOP	4.8		5.000		95.7	63	147			

Sample ID	1308874-001AMS	SampType:	MS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	SB-4 @ 8'	Batch ID:	8966	RunNo:	12805					
Prep Date:	8/21/2013	Analysis Date:	8/22/2013	SeqNo:	365842	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	97	9.9	49.70	46.58	102	61.3	138			
Surr: DNOP	5.4		4.970		108	63	147			

Sample ID	1308874-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	SB-4 @ 8'	Batch ID:	8966	RunNo:	12805					
Prep Date:	8/21/2013	Analysis Date:	8/22/2013	SeqNo:	365872	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	88	10	50.40	46.58	81.3	61.3	138	10.3	20	
Surr: DNOP	5.4		5.040		108	63	147	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 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1308874

27-Aug-13

Client: Animas Environmental

Project: CoP San Juan 28-6 #38

Sample ID	MB-8964	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	8964	RunNo:	12836					
Prep Date:	8/21/2013	Analysis Date:	8/22/2013	SeqNo:	365870	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	890		1000		88.6	80	120			

Sample ID	LCS-8964	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	8964	RunNo:	12836					
Prep Date:	8/21/2013	Analysis Date:	8/22/2013	SeqNo:	365871	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	86.4	74.5	126			
Surr: BFB	930		1000		92.9	80	120			

Sample ID	1308874-002AMS	SampType:	MS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	SB-5 @ 8'	Batch ID:	8964	RunNo:	12836					
Prep Date:	8/21/2013	Analysis Date:	8/22/2013	SeqNo:	365875	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	4.8	23.97	0	122	76	156			
Surr: BFB	960		958.8		100	80	120			

Sample ID	1308874-002AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	SB-5 @ 8'	Batch ID:	8964	RunNo:	12836					
Prep Date:	8/21/2013	Analysis Date:	8/22/2013	SeqNo:	365876	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	4.8	23.97	0	121	76	156	0.756	17.7	
Surr: BFB	950		958.8		99.5	80	120	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1308874

27-Aug-13

Client: Animas Environmental

Project: CoP San Juan 28-6 #38

Sample ID	MB-8964	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	8964	RunNo:	12836					
Prep Date:	8/21/2013	Analysis Date:	8/22/2013	SeqNo:	366022	Units:	mg/Kg			
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	1.0		1.000		102	80	120			

Sample ID	LCS-8964		SampType: LCS		TestCode: EPA Method 8021B: Volatiles					
Client ID:	LCSS		Batch ID: 8964		RunNo: 12836					
Prep Date:	8/21/2013		Analysis Date: 8/22/2013		SeqNo: 366023		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	102	80	120			
Toluene	1.0	0.050	1.000	0	99.9	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			

Sample ID	1308874-001AMS		SampType:	MS		TestCode:	EPA Method 8021B: Volatiles				
Client ID:	SB-4 @ 8'		Batch ID:	8964		RunNo:	12836				
Prep Date:	8/21/2013		Analysis Date:	8/22/2013		SeqNo:	366027		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	1.1	0.049	0.9718	0	117	67.3	145				
Toluene	1.1	0.049	0.9718	0	115	66.8	144				
Ethylbenzene	1.2	0.049	0.9718	0.01321	118	61.9	153				
Xylenes, Total	3.5	0.097	2.915	0.03709	119	65.8	149				
Surr: 4-Bromofluorobenzene	1.0		0.9718		107	80	120				

Sample ID	1308874-001AMSD		SampType:	MSD		TestCode:	EPA Method 8021B: Volatiles				
Client ID:	SB-4 @ 8'		Batch ID:	8964		RunNo:	12836				
Prep Date:	8/21/2013		Analysis Date:	8/22/2013		SeqNo:	366028		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	1.1	0.049	0.9718	0	117	67.3	145	0.376	20		
Toluene	1.1	0.049	0.9718	0	116	66.8	144	0.681	20		
Ethylbenzene	1.2	0.049	0.9718	0.01321	119	61.9	153	1.05	20		
Xylenes, Total	3.5	0.097	2.915	0.03709	119	65.8	149	0.348	20		
Surr: 4-Bromofluorobenzene	1.1		0.9718		109	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 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1308874

27-Aug-13

Client: Animas Environmental

Project: CoP San Juan 28-6 #38

Sample ID	MB-8998	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	8998	RunNo:	12857					
Prep Date:	8/22/2013	Analysis Date:	8/23/2013	SeqNo:	366600	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			

Sample ID	LCS-8998	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	8998	RunNo:	12857					
Prep Date:	8/22/2013	Analysis Date:	8/23/2013	SeqNo:	366601	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			

Qualifiers:

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

Sample Log-In Check List

Client Name: Animas Environmental

Work Order Number: 1308874

RcptNo: 1

Received by/date:

LM 08/20/13

Logged By: Anne Thorne

8/20/2013 9:50:00 AM

Ann Thorne

Completed By: Anne Thorne

8/20/2013

Ann Thorne

Reviewed By:

mg

08/21/13

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 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 ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
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 ☐

of preserved bottles checked for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
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:

Client Instructions:

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Client: Animas Environmental Services

Mailing Address: 624 E. Comanche
Farmington, NM 87401

Phone #: 505-564-2281

email or Fax#:

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other _____

☐ EDD (Type) _____

☒ Standard ☐ Rush

Col San Juan 28-6 #38

Project #:

Project Manager:

D. Watson

Sampler: HWJC

On Ice ☒ Yes ☐ No

Sample Temperature: 71°C

[illegible]

Date:	Time:	Relinquished by:
8/19/13	1450	Heath M. Wood

Received by:	Date	Time
<i>Christine Wooten</i>	<i>8/19/13</i>	<i>1450</i>

Date:	Time:	Relinquished by:
8/19/13	1600	Christine Wheeler

Received by:	Date	Time
<i>[Signature]</i>	08/20/13	0950

Remarks: Bill to Conocophillips
WD: 9712658 USER: LINDA
Area: 24 Orderd by: Crystal
Supervisor: Bobby Spearman Tafaya



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

	X					BTEX + MIBK + Toluene (8021)
						BTEX + MTBE + TPH (Gas only)
	X		X	X	X	TPH 8015B (GRO / DRO / MOB)
						TPH (Method 418.1)
						EDB (Method 504.1)
						PAH's (8310 or 8270 SIMS)
						RCRA 8 Metals
						Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)
						8081 Pesticides / 8082 PCB's
						8260B (VOA)
						8270 (Semi-VOA)
						Air Bubbles (Y or N)

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.



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

September 09, 2013

Debbie Watson

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

RE: COP San Juan 28-6 #38

OrderNo.: 1309140

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 2 sample(s) on 9/5/2013 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 qualifiers 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,

A handwritten signature in black ink, appearing to read "John Caldwell", enclosed within a thin rectangular border.

John Caldwell
Supervisor
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 1309140

Date Reported: 9/9/2013

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental**Client Sample ID:** SC-2**Project:** COP San Juan 28-6 #38**Collection Date:** 9/4/2013 10:40:00 AM**Lab ID:** 1309140-001**Matrix:** MEOH (SOIL)**Received Date:** 9/5/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	500	10		mg/Kg	1	9/5/2013 2:21:33 PM	9188
Surr: DNOP	85.4	63-147		%REC	1	9/5/2013 2:21:33 PM	9188
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	3900	250		mg/Kg	50	9/5/2013 12:17:25 PM	R13097
Surr: BFB	320	80-120	S	%REC	50	9/5/2013 12:17:25 PM	R13097
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	6.9	2.5		mg/Kg	50	9/5/2013 12:17:25 PM	R13097
Toluene	110	2.5		mg/Kg	50	9/5/2013 12:17:25 PM	R13097
Ethylbenzene	21	2.5		mg/Kg	50	9/5/2013 12:17:25 PM	R13097
Xylenes, Total	180	5.0		mg/Kg	50	9/5/2013 12:17:25 PM	R13097
Surr: 4-Bromofluorobenzene	122	80-120	S	%REC	50	9/5/2013 12:17:25 PM	R13097

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

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

Analytical Report

Lab Order 1309140

Date Reported: 9/9/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-5

Project: COP San Juan 28-6 #38

Collection Date: 9/4/2013 10:56:00 AM

Lab ID: 1309140-002

Matrix: MEOH (SOIL)

Received Date: 9/5/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	230	9.9		mg/Kg	1	9/5/2013 3:57:28 PM	9188
Surr: DNOP	90.4	63-147		%REC	1	9/5/2013 3:57:28 PM	9188
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	8500	250		mg/Kg	50	9/5/2013 12:46:03 PM	R13097
Surr: BFB	476	80-120	S	%REC	50	9/5/2013 12:46:03 PM	R13097
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	19	2.5		mg/Kg	50	9/5/2013 12:46:03 PM	R13097
Toluene	260	10		mg/Kg	200	9/5/2013 2:12:00 PM	R13097
Ethylbenzene	42	2.5		mg/Kg	50	9/5/2013 12:46:03 PM	R13097
Xylenes, Total	360	5.0		mg/Kg	50	9/5/2013 12:46:03 PM	R13097
Surr: 4-Bromofluorobenzene	142	80-120	S	%REC	50	9/5/2013 12:46:03 PM	R13097

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1309140

09-Sep-13

Client: Animas Environmental

Project: COP San Juan 28-6 #38

Sample ID	MB-9188	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	9188	RunNo:	13093					
Prep Date:	9/5/2013	Analysis Date:	9/5/2013	SeqNo:	373977	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	8.6		10.00		85.6	63	147			

Sample ID	LCS-9188	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	9188	RunNo:	13132					
Prep Date:	9/5/2013	Analysis Date:	9/6/2013	SeqNo:	374988	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	61	10	50.00	0	122	77.1	128			
Surr: DNOP	4.8		5.000		95.7	63	147			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1309140

09-Sep-13

Client: Animas Environmental

Project: COP San Juan 28-6 #38

Sample ID	MB-9159 MK	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	R13097	RunNo:	13097					
Prep Date:		Analysis Date:	9/5/2013	SeqNo:	374277	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	910		1000		90.6	80	120			

Sample ID	LCS-9159 MK	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	R13097	RunNo:	13097					
Prep Date:		Analysis Date:	9/5/2013	SeqNo:	374278	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	74.5	126			
Surr: BFB	970		1000		96.8	80	120			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1309140

09-Sep-13

Client: Animas Environmental

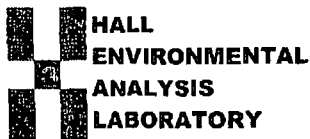
Project: COP San Juan 28-6 #38

Sample ID	MB-9159 MK		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	R13097		RunNo:	13097			
Prep Date:			Analysis Date:	9/5/2013		SeqNo:	374327		Units: mg/Kg	
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	1.0		1.000		101	80	120			

Sample ID	LCS-9159 MK		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	R13097		RunNo:	13097			
Prep Date:			Analysis Date:	9/5/2013		SeqNo:	374333		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	100	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.0	0.050	1.000	0	102	80	120			
Xylenes, Total	3.1	0.10	3.000	0	104	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		105	80	120			

Qualifiers:

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



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: 1309140

RcptNo: 1

Received by/date:

[Signature]

09/05/13

Logged By: Lindsay Mangin

9/5/2013 10:00:00 AM

[Signature]

Completed By: Lindsay Mangin

9/5/2013 10:16:32 AM

[Signature]

Reviewed By:

[Signature]

09/05/13

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 samples? Yes ☒ No ☐ NA
5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ 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 ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐ # of preserved bottles checked for pH: (<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 ☐ 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:

Client Instructions:

17. Additional remarks:

18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Client: Animas Environmental Services

Mailing Address: 624 E. Comanche
Farmington, NM 87401

Phone #: 505-564-2281

email or Fax#:

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other _____

☐ EDD (Type)

☐ Standard ☒ Rush Same Day

Cop San Juan 28-6 #38

Project Manager:

D. Watson

Sampler: H. Woods

On Ice: ☒ Yes ☐ No

Sample Temperature: 110°C

Container
Type and #Preservative
Type

HEAL No

130914C

MeOH Kit / 402

МОН	/
-----	---

-001

МЕОН КТ / 400

МОН	/
-----	---

-002



www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

[illegible]


Air Buhaloe (Y or N)

Date:	Time:	Relinquished by:
4/4/13	1647	Heather M. Woods

Received by:	Date	Time
Christine Walters	9/4/13	1647

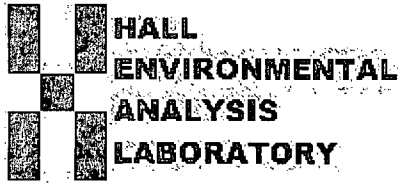
Remarks: Bill to ConocoPhillips
WD: 9726038 USER ID: KGARCIA

Date:	Time:	Relinquished by:
9/4/13	1717	Christina Jones

Received by:  Date: 07/05/13 Time: 10:00

Ordered by: Eric Smith
Supervisor: Mike Smith
Activity: D150

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.



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

September 13, 2013

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

RE: CoP San Juan 28-6 #38

OrderNo.: 1309455

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 2 sample(s) on 9/12/2013 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 qualifiers 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman'.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 1309455

Date Reported: 9/13/2013

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental**Client Sample ID:** SC-7**Project:** CoP San Juan 28-6 #38**Collection Date:** 9/10/2013 9:45:00 AM**Lab ID:** 1309455-001**Matrix:** MEOH (SOIL)**Received Date:** 9/12/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	360	10		mg/Kg	1	9/12/2013 2:02:58 PM	9288
Surr: DNOP	120	63-147		%REC	1	9/12/2013 2:02:58 PM	9288
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	160	20		mg/Kg	4	9/12/2013 11:24:35 AM	R13320
Surr: BFB	329	80-120	S	%REC	4	9/12/2013 11:24:35 AM	R13320
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.12	0.10		mg/Kg	4	9/12/2013 11:24:35 AM	R13320
Toluene	1.5	0.20		mg/Kg	4	9/12/2013 11:24:35 AM	R13320
Ethylbenzene	0.47	0.20		mg/Kg	4	9/12/2013 11:24:35 AM	R13320
Xylenes, Total	3.9	0.40		mg/Kg	4	9/12/2013 11:24:35 AM	R13320
Surr: 4-Bromofluorobenzene	128	80-120	S	%REC	4	9/12/2013 11:24:35 AM	R13320

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: CoP San Juan 28-6 #38
Lab ID: 1309455-002

Client Sample ID: SC-8
Collection Date: 9/10/2013 9:50:00 AM
Received Date: 9/12/2013 10:00:00 AM

Matrix: MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	140	10		mg/Kg	1	9/12/2013 3:06:20 PM	9288
Surr: DNOP	160	63-147	S	%REC	1	9/12/2013 3:06:20 PM	9288
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	420	20		mg/Kg	4	9/12/2013 11:53:14 AM	R13320
Surr: BFB	526	80-120	S	%REC	4	9/12/2013 11:53:14 AM	R13320
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.35	0.20		mg/Kg	4	9/12/2013 11:53:14 AM	R13320
Toluene	5.4	0.20		mg/Kg	4	9/12/2013 11:53:14 AM	R13320
Ethylbenzene	2.0	0.20		mg/Kg	4	9/12/2013 11:53:14 AM	R13320
Xylenes, Total	19	0.40		mg/Kg	4	9/12/2013 11:53:14 AM	R13320
Surr: 4-Bromofluorobenzene	149	80-120	S	%REC	4	9/12/2013 11:53:14 AM	R13320

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1309455

13-Sep-13

Client: Animas Environmental

Project: CoP San Juan 28-6 #38

Sample ID	1309123-001AMS	SampType:	MS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	BatchQC	Batch ID:	9188	RunNo:	13281					
Prep Date:	9/5/2013	Analysis Date:	9/11/2013	SeqNo:	378507	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	6.2		4.990		124	63	147			

Sample ID	1309123-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	BatchQC	Batch ID:	9188	RunNo:	13281					
Prep Date:	9/5/2013	Analysis Date:	9/11/2013	SeqNo:	378508	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	6.2		5.015		124	63	147	0	0	

Sample ID	MB-9288	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	9288	RunNo:	13281					
Prep Date:	9/12/2013	Analysis Date:	9/12/2013	SeqNo:	378850	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	11		10.00		113	63	147			

Sample ID	LCS-9288	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	9288	RunNo:	13281					
Prep Date:	9/12/2013	Analysis Date:	9/12/2013	SeqNo:	378895	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.7	77.1	128			
Surr: DNOP	6.0		5.000		119	63	147			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1309455

13-Sep-13

Client: Animas Environmental

Project: CoP San Juan 28-6 #38

Sample ID	MB-9268 MK		SampType:	MBLK		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	PBS		Batch ID:	R13320		RunNo:	13320				
Prep Date:			Analysis Date:	9/12/2013		SeqNo:	379411		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	ND	5.0									
Surr: BFB	950		1000		95.4	80	120				

Sample ID	LCS-9268 MK		SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	LCSS		Batch ID: R13320		RunNo: 13320					
Prep Date:			Analysis Date: 9/12/2013		SeqNo: 379412		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.9	74.5	126			
Surr: BFB	1100		1000		110	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 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1309455

13-Sep-13

Client: Animas Environmental

Project: CoP San Juan 28-6 #38

Sample ID	MB-9268 MK	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	R13320	RunNo:	13320					
Prep Date:		Analysis Date:	9/12/2013	SeqNo:	379491	Units:	mg/Kg			
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	1.1		1.000		107	80	120			

Sample ID	LCS-9268 MK	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	R13320	RunNo:	13320					
Prep Date:		Analysis Date:	9/12/2013	SeqNo:	379492	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.050	1.000	0	96.5	80	120			
Toluene	0.98	0.050	1.000	0	97.5	80	120			
Ethylbenzene	0.96	0.050	1.000	0	95.6	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.2	80	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 for VOA and TOC only.
- RL Reporting Detection Limit

Sample Log-In Check List

Client Name: Animas Environmental

Work Order Number: 1309455

RcptNo: 1

Received by/date: LM 09/12/13

Logged By: **Michelle Garcia** 9/12/2013 10:00:00 AM

Michelle Garcia

Completed By: **Michelle Garcia** 9/12/2013 10:19:17 AM

Michelle Garcia

Reviewed By: *[Signature]* 09/12/13

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 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 ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
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 ☐

of preserved
bottles checked
for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
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:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	_____		
Client Instructions:	_____		

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Client: Animas Environmental
Services LLC
Mailing Address: 624 E Comanche
Farmington NM 87401
Phone #: 505 564 2281
email or Fax#:
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
Accreditation
☐ NELAP ☐ Other _____
☐ EDD (Type) _____

☐ Standard ☒ Rush same day
Project Name: _____

CP San Juan 28-6 #38

Project Manager:

D. Watson
Sampler: D Watson

On Ice ☒ Yes ☐ No

Sample Temperature: 1, 0

[illegible]

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

[illegible]

— 33 —

Date:	Time:	Relinquished by:	Received by:	Date	Time
9/11/13	1700	Debrah Wata	Christine Wabeta	9/11/13	1700
Date:	Time:	Relinquished by:	Received by:	Date	Time
9/11/13	1707	Christine Wabeta	Christine Wabeta	09/12/13	1000

Remarks: Bill to Conoco Phillips
 UIC: 9726038
 ordered by: Eric Smith
 supervisor: Mike Smith
 Activity Code: D150
 user ID: KGATRCIA

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.