

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Burlington Resources, a Wholly Owned Subsidiary of ConocoPhillips Company	Contact Lisa Hunter
Address 3401 E. 30th St., Farmington, NM 87402	Telephone No. 505-326-9786
Facility Name San Juan 28-6 186N	Facility Type Gas Well

Surface Owner BLM	Mineral Owner BLM	API No. 3003929329
--------------------------	--------------------------	---------------------------

LOCATION OF RELEASE

Unit Letter A	Section 06	Township T27N	Range R6W	Feet from the 190'	North/South Line North	Feet from the 585'	East/West Line East	County Rio Arriba
-------------------------	----------------------	-------------------------	---------------------	------------------------------	----------------------------------	------------------------------	-------------------------------	-----------------------------

Latitude 36.60982 Longitude -107.4999

RCVD OCT 10 '13
OIL CONS. DIV.
DIST. 3

NATURE OF RELEASE

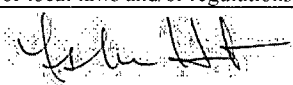
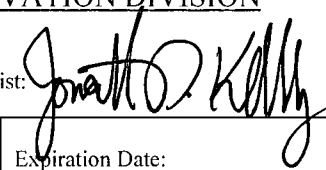
Type of Release Produced Water and Condensate	Volume of Release 36.25 BBL Produced Water 15 BBL Condensate	Volume Recovered 0 BBL 0 BBL
Source of Release Tank leak (corrosion)	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 06/25/13 @ 10:00 a.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell, NMOCD Mark Kelly, BLM	
By Whom? Lisa Hunter	Date and Hour Brandon Powell, NMOCD 6/25/13 @ 1:45 pm Mark Kelly, BLM 06/25/13 @ 1:46 pm	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
During tank gauging found leak in tank. Drained remaining fluid to prevent liquids from going to the ground. Collected soil sample.

Describe Area Affected and Cleanup Action Taken.*
ConocoPhillips will replace tank, and will assess the soils to determine further action, if needed. **Excavation was 35' x 40' x 13' Deep. 752 c/yds of soil was transported to IEL Land Farm and 752 c/yds of clean soil was transported from Aztec Machine Company, and placed in the excavation site. Sandstone was encountered at the base of this excavation. COP received approval to backfill the excavation from Mark Kelly of the BLM and Brandon Powell from NMOCD on 7/18/2013. 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: 	OIL CONSERVATION DIVISION	
Printed Name: Lisa M. Hunter	Approved by Environmental Specialist: 	
Title: Field Environmental Specialist	Approval Date: 10/17/2013	Expiration Date:
E-mail Address: Lisa.Hunter@cop.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 10/8/2013	Phone: 505-326-9786	

* Attach Additional Sheets If Necessary

NSK 1329035963



Animas Environmental Services, LLC

www.animasenvironmental.com

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

Durango, Colorado
970-403-3084

October 3, 2013

Lisa Hunter
ConocoPhillips
San Juan Business Unit
Office 214-04
5525 Hwy 64
Farmington, New Mexico 87401

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

**RE: Initial Release Assessment and Final Excavation Report
San Juan 28-6 Unit #186N
Rio Arriba County, New Mexico**

Dear Ms. Hunter:

On July 2 and 16, 2013, Animas Environmental Services, LLC (AES) completed an initial release assessment and environmental clearance of the final excavation limits at the ConocoPhillips (CoP) San Juan 28-6 Unit #186N, located in Rio Arriba County, New Mexico. The release consisted of approximately 36 barrels (bbls) of produced water and 15 bbls of petroleum hydrocarbons. The initial release assessment was completed by AES on July 2, 2013. The final excavation was completed by CoP contractors while AES was on location on July 16, 2013.

1.0 Site Information

1.1 Location

Location – NE¼ NE¼, Section 6, T27N, R6W, Rio Arriba County, New Mexico
Well Head Latitude/Longitude – N36.60987 and W107.50052, respectively
Release Location Latitude/Longitude – N36.61013 and W107.50059, respectively
Land Jurisdiction – Bureau of Land Management
Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, July 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 May 1991 for the San Juan 28-6 #36, located approximately 1,260 feet southwest of the location and at a similar elevation, reported the depth to groundwater at 190 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:** Approximately 220 feet to the southeast is an unnamed wash. At 320 feet to the northwest is another unnamed wash. Both are tributaries to Encierro Canyon wash. (10 points)

1.3 Assessment

AES was initially contacted by Lisa Hunter of CoP on June 27, 2013, and on July 2, 2013, Heather Woods and Jesse Christopherson of AES completed the release assessment field work. The assessment included collection and field screening of soil samples (SB-1 through SB-9) in and around the release area. Based on the field screening results, AES recommended further excavation of the release area. Sample locations are presented on Figure 3.

On July 16, 2013, AES returned to the location to collect confirmation soil samples of the excavation. The field screening activities included collection of five confirmation soil samples (SC-1 through SC-5) of the walls and base of the excavation. The area of the final excavation was approximately 44 feet by 36 feet by 15 feet in depth. Sample locations and final excavation extents are shown on Figure 4.

2.0 Soil Sampling

A total of 43 soil samples from locations SB-1 through SB-9, and 5 composite samples (SC-1 through SC-5) were collected during the assessment and final clearance of the excavation. All soil samples were field screened for volatile organic compounds (VOCs), and selected samples were also analyzed for total petroleum hydrocarbons (TPH). Three soil samples (from SB-1, SB-3, and SB-4) collected during the release assessment, in addition to three composite samples (SC-2 through SC-4) collected during the excavation clearance, 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*.

2.2 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:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per U.S. Environmental Protection Agency (USEPA) Method 8021B.

In addition, soil samples SB-1, SB-3, and SB-4 were laboratory analyzed for:

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

2.3 Field Screening and Laboratory Analytical Results

On July 2, 2013, initial assessment field screening results for VOCs via OVM showed concentrations ranging from 2.0 ppm in SB-9 up to 3,292 ppm in SB-4. Field TPH concentrations ranged from 49.7 mg/kg in SB-7 to greater than 2,500 mg/kg in SB-2 and SB-4.

On July 16, 2013, final excavation field screening results for VOCs via OVM ranged from 26.8 ppm in SC-5 (east wall) up to 3,103 ppm in SC-2 (base). Field TPH concentrations ranged from 54.6 mg/kg in SC-1 (west wall) up to 729 mg/kg in SC-4 (south wall). Results are included below in Table 1 and on Figures 3 and 4. The AES Field Screening Reports are attached.

Table 1. Field Screening VOCs and TPH Results
San Juan 28-6 Unit #186N Initial Release Assessment and Final Excavation
July 2013

Sample ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)	Field TPH (mg/kg)
	NMOCD Action Level*		100	1,000
SB-1	7/2/13	0	2,879	NA
	7/2/13	2	1,266	NA
	7/2/13	4	1,288	NA
	7/2/13	6	1,156	NA
	7/2/13	8	1,133	NA
	7/2/13	10	2,057	NA
	7/2/13	12	2,244	1,710
SB-2	7/2/13	0	1,869	>2,500
	7/2/13	2	1,424	NA
	7/2/13	4	1,257	NA
SB-3	7/2/13	0	2,871	891
	7/2/13	2	28.4	NA
	7/2/13	4	53.1	NA
	7/2/13	6	7.4	NA
	7/2/13	8	31.2	NA
	7/2/13	10	7.7	NA
	7/2/13	12	12.4	NA
SB-4	7/2/13	0	3,292	>2,500
	7/2/13	2	1,873	NA
	7/2/13	4	2,005	NA
	7/2/13	6	1,670	NA
	7/2/13	8	2,952	NA
	7/2/13	10	2,304	NA
	7/2/13	12	2,262	567
SB-5	7/2/13	0	6.2	NA
	7/2/13	2	15.0	62.4
	7/2/13	4	9.9	NA

Sample ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)	Field TPH (mg/kg)
	<i>NMOCD Action Level*</i>		100	1,000
SB-6	7/2/13	0	2.5	NA
	7/2/13	2	3.2	NA
	7/2/13	4	5.3	NA
	7/2/13	6	6.5	NA
	7/2/13	8	9.0	58.1
SB-7	7/2/13	0	3.3	NA
	7/2/13	2	3.0	NA
	7/2/13	4	3.1	NA
	7/2/13	6	26.0	49.7
	7/2/13	8	3.0	NA
SB-8	7/2/13	0	3.2	NA
	7/2/13	2	7.5	NA
	7/2/13	4	7.0	NA
SB-9	7/2/13	0	2.9	NA
	7/2/13	2	2.0	NA
	7/2/13	4	2.1	NA
SC-1	7/16/13	1 to 15	53.5	54.6
SC-2	7/16/13	15	3,103	300
SC-3	7/16/13	1 to 15	2,889	420
SC-4	7/16/13	1 to 15	3,028	729
SC-5	7/16/13	1 to 15	26.8	97.0

NA=Not Analyzed

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

Laboratory analyses for SB-1, SB-3, and SB-4 were used to confirm field screening results of the initial release assessment. Benzene concentrations were reported below laboratory detection limits in each sample. Total BTEX concentrations were reported at 28 mg/kg (SB-1), 5.3 mg/kg (SB-3), and 1.8 mg/kg (SB-4). TPH concentrations as GRO/DRO were reported at 990 mg/kg (SB-1), 500 mg/kg (SB-3), and 220 mg/kg (SB-4). Results are presented in Table 2 and on Figure 3. The laboratory analytical report is attached.

Laboratory analyses for SC-2 through SC-4 were used to confirm field screening results during excavation activities. Benzene concentrations were reported below laboratory detection limits in each sample. Total BTEX concentrations were reported at 29 mg/kg (SC-2), 2.4 mg/kg (SC-3), and 55 mg/kg (SC-4). Results are presented in Table 2 and on Figure 4. The laboratory analytical report is attached.

Table 2. Laboratory Analytical Results – Benzene and Total BTEX
San Juan 28-6 Unit #186N Final Excavation, July 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>
NMOCD Action Level*			10	50	1,000	
SB-1	7/2/13	12	<0.93	28	730	260
SB-3	7/2/13	0	<0.24	5.3	240	260
SB-4	7/2/13	12	<0.12	1.8	110	110
SC-2	7/16/13	15	<0.12	29	NA	NA
SC-3	7/16/13	1 to 15	<0.10	2.4	NA	NA
SC-4	7/16/13	1 to 15	<0.20	55	NA	NA

NA = Not Analyzed.

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

3.0 Conclusions and Recommendations

On July 2, 2013, AES conducted an initial assessment of petroleum contaminated soils associated with a historical release at the San Juan 28-6 Unit #186N. Action levels for releases are determined by the NMOCD ranking score per *NMOCD Guidelines for 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 SB-1 through SB-4, with the highest VOC concentration reported in SB-4 with 3,292 ppm. Field screening results also showed TPH concentrations above the NMOCD action level of 1,000 mg/kg in SB-1 (1,710 mg/kg), SB-2 (>2,500 mg/kg), and SB-4 (>2,500 mg/kg). Laboratory analytical results for SB-1, SB-3, and SB-4 were used to confirm field screening results, and benzene concentrations were reported below the NMOCD action level for each sample. Total BTEX concentrations were reported below the NMOCD action level of 50 mg/kg, and TPH concentrations (as GRO/DRO) were reported below the NMOCD action level of 1,000 mg/kg in each sample.

On July 16, 2013, final assessment of the excavation area was completed. Field screening results of the excavation extents showed that VOC concentrations were below applicable NMOCD action levels for the final west and east walls of the excavation. However, the base (SC-2), north wall (SC-3), and south wall (SC-4) exceeded the NMOCD action level of 100 ppm for VOCs with 3,103 ppm, 2,889 ppm, and 3,028 ppm, respectively. 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-2 and SC-3 below NMOCD action levels. However, the total BTEX concentration in SC-4 was above the NMOCD action level of 50 mg/kg with 55 mg/kg.

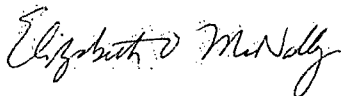
Based on the final field screening and laboratory analytical results of the excavation of petroleum contaminated soils at the San Juan 28-6 Unit #186N, benzene, total BTEX, and TPH concentrations were below the applicable NMOCD action levels for three of the final sidewalls and the base of the excavation. However, the south wall of the excavation exceeded applicable NMOCD action levels for total BTEX with 55 mg/kg. On July 18, 2013, CoP received approval to backfill the excavation from Mark Kelly of the BLM and Brandon Powell of the NMOCD. No further work is recommended at the San Juan 28-6 Unit #186N.

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

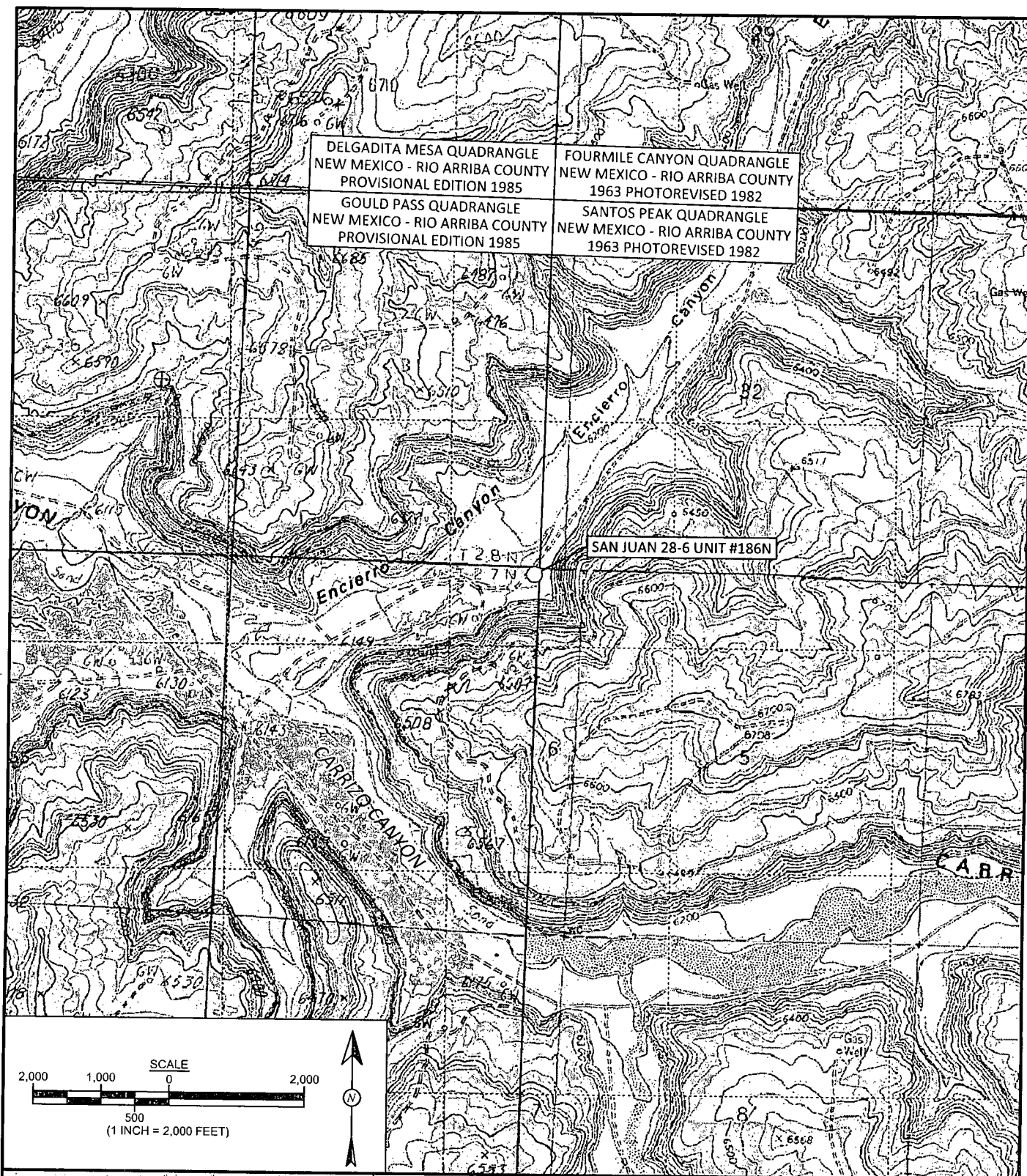


Elizabeth McNally, PE

Attachments:

- Figure 1. Topographic Site Location Map
- Figure 2. Aerial Site Map, July 2013
- Figure 3. Initial Assessment Sample Locations and Results, July 2013
- Figure 4. Final Excavation Sample Locations and Results, July 2013
- AES Field Screening Report 070213
- AES Field Screening Report 071613
- Hall Laboratory Analytical Report 1307187
- Hall Laboratory Analytical Report 1307750

R:\Animas 2000\Dropbox\2013 Projects\ConocoPhillips\SJ 28-6 #186N\SJ 28-6 #186N Release and Final Excavation Report 100313.docx



Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: July 2, 2013
REVISIONS BY: C. Lameman	DATE REVISED: July 2, 2013
CHECKED BY: D. Watson	DATE CHECKED: July 2, 2013
APPROVED BY: E. McNally	DATE APPROVED: July 2, 2013

FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP

ConocoPhillips
SAN JUAN 28-6 UNIT #186N
NE $\frac{1}{4}$ NE $\frac{1}{4}$, SECTION 6, T27N, R6W
RIO ARriba COUNTY, NEW MEXICO
N36.60987, W107.50052

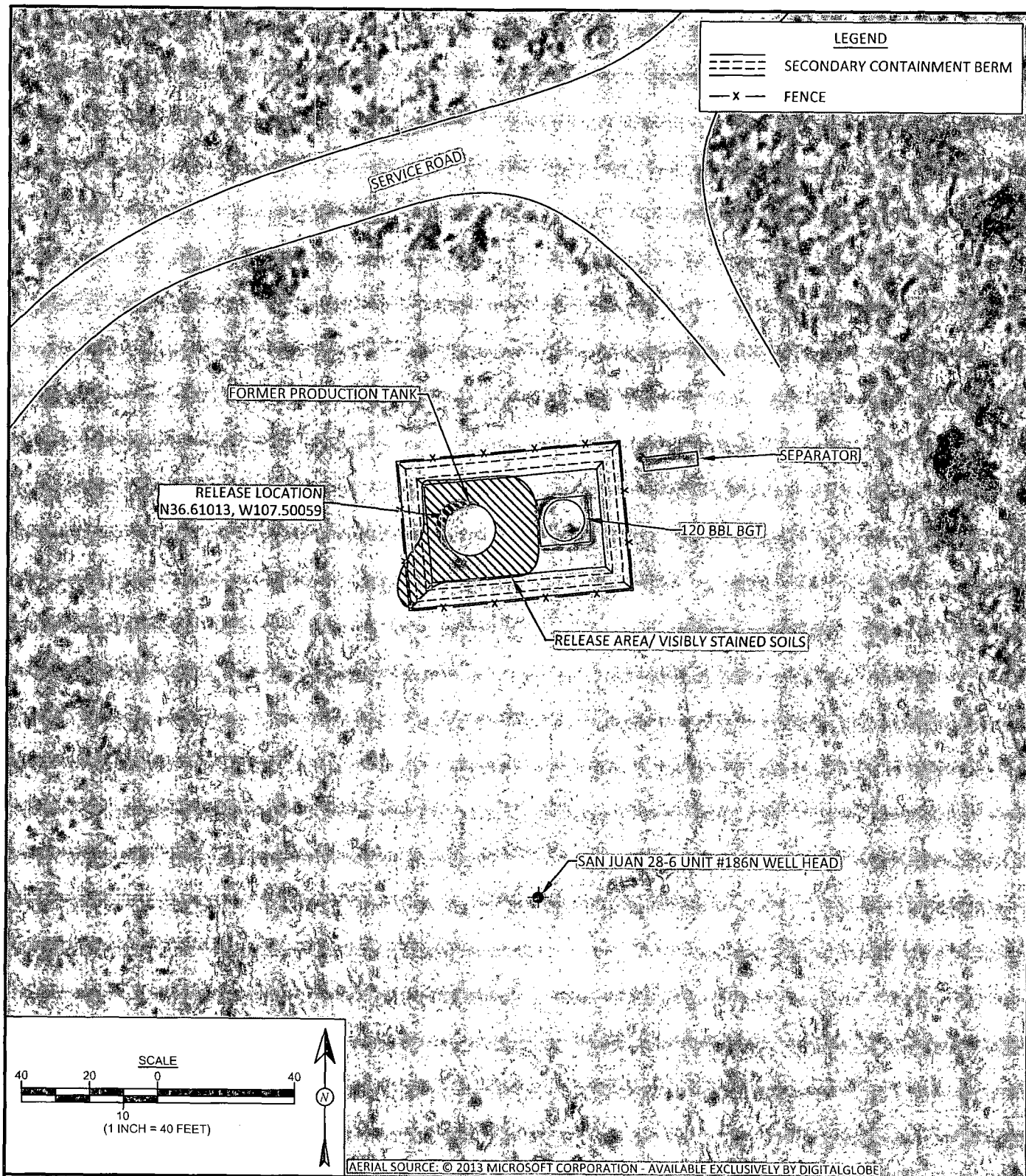


FIGURE 2

**AERIAL SITE MAP
JULY 2013**

ConocoPhillips
SAN JUAN 28-6 UNIT #186N
NE¼ NE¼, SECTION 6, T27N, R6W
RIO ARriba COUNTY, NEW MEXICO
N36.60987, W107.50052



Animas Environmental Services, LLC

DRAWN BY:

C. Lameman

DATE DRAWN:

July 2, 2013

REVISIONS BY:

C. Lameman

DATE REVISED:

July 2, 2013

CHECKED BY:

D. Watson

DATE CHECKED:

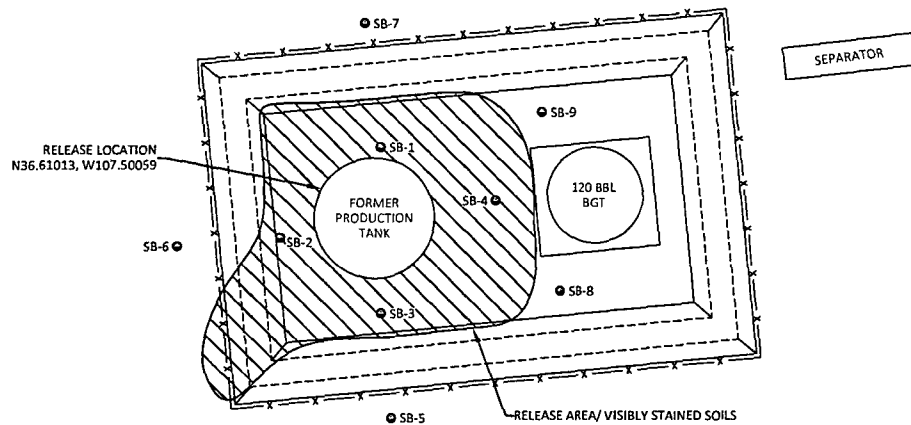
July 2, 2013

APPROVED BY:

E. McNally

DATE APPROVED:

July 2, 2013



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-1	7/2/13	12	<0.93	29	730	260
SB-3	7/2/13	Surface	<0.24	5.3	240	260
SB-4	7/2/13	12	<0.12	1.8	110	110

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

Field Screening Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
NMOCD ACTION LEVEL			100	1,000
SB-1	7/2/13	Surface	2,879	NA
		2	1,266	NA
		4	1,288	NA
		6	1,156	NA
		8	1,133	NA
		10	2,057	NA
SB-2	7/2/13	12	2,244	1,710
		Surface	1,869	>2,500
		2	1,424	NA
		4	1,257	NA
		6	2,871	891
		8	28.4	NA
SB-3	7/2/13	4	53.1	NA
		6	7.4	NA
		8	31.2	NA
		10	7.7	NA
		12	12.4	NA
		Surface	3,292	>2,500
SB-4	7/2/13	2	1,873	NA
		4	2,005	NA
		6	1,670	NA
		8	2,952	NA
		10	2,304	NA
		12	2,262	567
SB-5	7/2/13	Surface	6.2	NA
		2	15.0	62.4
		4	9.9	NA
SB-6	7/2/13	Surface	2.5	NA
		2	3.2	NA
		4	5.3	NA
		6	6.5	NA
SB-7	7/2/13	8	9.0	58.1
		Surface	3.3	NA
		2	3.0	NA
		4	3.1	NA
		6	26.0	49.7
SB-8	7/2/13	8	3.0	NA
		Surface	3.2	NA
		2	7.5	NA
		4	7.0	NA
SB-9	7/2/13	Surface	2.9	NA
		2	2.0	NA
		4	2.1	NA

NA - NOT ANALYZED

SAN JUAN 28-6 UNIT #186N WELL HEAD

FIGURE 3

INITIAL ASSESSMENT SAMPLE
LOCATIONS AND RESULTS
JULY 2013
ConocoPhillips
SAN JUAN 28-6 UNIT #186N
NE1/4, NE1/4, SECTION 6, T27N, R6W
RIO ARriba COUNTY, NEW MEXICO
N36.60987, W107.50052

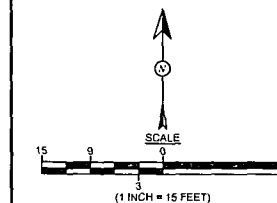


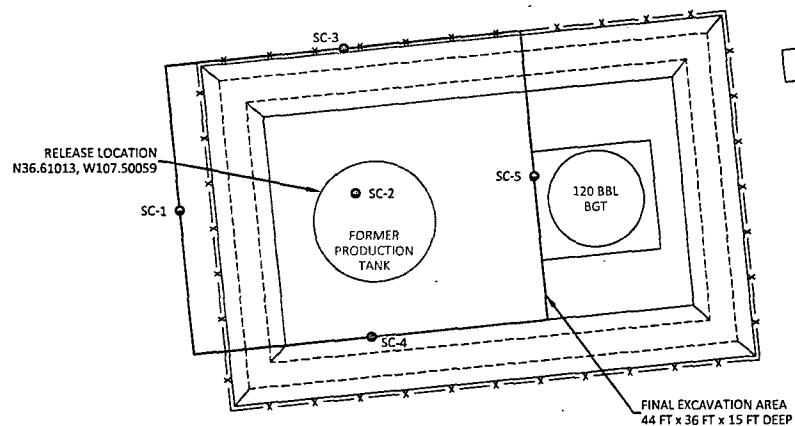
Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: July 2, 2013
REVISIONS BY: C. Lameman	DATE REVISED: July 2, 2013
CHECKED BY: D. Watson	DATE CHECKED: July 2, 2013
APPROVED BY: E. McNally	DATE APPROVED: July 2, 2013

LEGEND

- SAMPLE LOCATIONS
- ===== SECONDARY CONTAINMENT BERM
- x- FENCE





Field Screening Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
NMOCD ACTION LEVEL			100	1,000
SC-1	7/16/13	1 to 15	53.5	54.6
SC-2	7/16/13	15	3,103	300
SC-3	7/16/13	1 to 15	2,889	420
SC-4	7/16/13	1 to 15	3,028	729
SC-5	7/16/13	1 to 15	26.8	97.0

Laboratory Analytical Results				
Sample ID	Date	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)
NMOCD ACTION LEVEL			10	50
SC-2	7/16/13	15	<0.12	29
SC-3	7/16/13	1 to 15	<0.10	2.4
SC-4	7/16/13	1 to 15	<0.20	55

ALL SAMPLES WERE ANALYZED PER EPA METHOD 8021B.

SAN JUAN 28-6 UNIT #186N WELL HEAD

FIGURE 4

FINAL EXCAVATION SAMPLE LOCATIONS AND RESULTS JULY 2013
 ConocoPhillips
 SAN JUAN 28-6 UNIT #186N
 NE¼, NE¼, SECTION 6, T27N, R6W
 RIO ARRIBA COUNTY, NEW MEXICO
 N36.60987, W107.50052

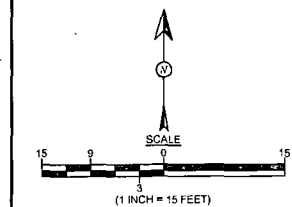


Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: July 17, 2013
REVISIONS BY: C. Lameman	DATE REVISED: July 17, 2013
CHECKED BY: D. Watson	DATE CHECKED: July 17, 2013
APPROVED BY: E. McNally	DATE APPROVED: July 17, 2013

LEGEND

- SAMPLE LOCATIONS
- === SECONDARY CONTAINMENT BERM
- x— FENCE



AES Field Screening Report



Animas Environmental Services, LLC

www.animasenvironmental.com

Client: ConocoPhillips

Project Location: SJ 28-6 Unit #186N

Date: 7/2/2013

Matrix: Soil

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

Durango, Colorado
970-403-3084

Sample ID	Collection Date	Collection Time	OVM (ppm)	Time of Sample Analysis	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SB-1 @ 0'	7/2/2013	8:39	2,879	Not analyzed for TPH				
SB-1 @ 2'	7/2/2013	8:44	1,266	Not analyzed for TPH				
SB-1 @ 4'	7/2/2013	8:50	1,288	Not analyzed for TPH				
SB-1 @ 6'	7/2/2013	8:55	1,156	Not analyzed for TPH				
SB-1 @ 8'	7/2/2013	9:05	1,133	Not analyzed for TPH				
SB-1 @ 10'	7/2/2013	9:10	2,057	Not analyzed for TPH				
SB-1 @ 12'	7/2/2013	9:19	2,244	9:58	1,710	20.0	1	HMW
SB-2 @ 0'	7/2/2013	9:27	1,869	10:14	>2,500	20.0	1	HMW
SB-2 @ 2'	7/2/2013	9:31	1,424	Not analyzed for TPH				
SB-2 @ 4'	7/2/2013	9:36	1,257	Not analyzed for TPH				
SB-3 @ 0'	7/2/2013	9:40	2,871	10:17	891	20.0	1	HMW
SB-3 @ 2'	7/2/2013	9:42	28.4	Not analyzed for TPH				
SB-3 @ 4'	7/2/2013	9:47	53.1	Not analyzed for TPH				
SB-3 @ 6'	7/2/2013	9:55	7.4	Not analyzed for TPH				
SB-3 @ 8'	7/2/2013	10:07	31.2	Not analyzed for TPH				
SB-3 @ 10'	7/2/2013	10:55	7.7	Not analyzed for TPH				
SB-3 @ 12'	7/2/2013	10:59	12.4	Not analyzed for TPH				
SB-4 @ 0'	7/2/2013	10:12	3,292	12:46	>2,500	20.0	1	HMW
SB-4 @ 2'	7/2/2013	10:15	1,873	Not analyzed for TPH				
SB-4 @ 4'	7/2/2013	10:20	2,005	Not analyzed for TPH				
SB-4 @ 6'	7/2/2013	10:25	1,670	Not analyzed for TPH				
SB-4 @ 8'	7/2/2013	10:37	2,952	Not analyzed for TPH				

San Juan 28-6 Unit #186N

Page 1

Report Finalized: 07/02/13

Sample ID	Collection Date	Collection Time	OVM (ppm)	Time of Sample Analysis	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SB-4 @ 10'	7/2/2013	10:44	2,304	Not analyzed for TPH				
SB-4 @ 12'	7/2/2013	10:49	2,262	11:18	567	20.0	1	HMW
SB-5 @ 0'	7/2/2013	11:06	6.2	Not analyzed for TPH				
SB-5 @ 2'	7/2/2013	11:12	15.0	12:48	62.4	20.0	1	HMW
SB-5 @ 4'	7/2/2013	11:18	9.9	Not analyzed for TPH				
SB-6 @ 0'	7/2/2013	11:28	2.5	Not analyzed for TPH				
SB-6 @ 2'	7/2/2013	11:31	3.2	Not analyzed for TPH				
SB-6 @ 4'	7/2/2013	11:36	5.3	Not analyzed for TPH				
SB-6 @ 6'	7/2/2013	11:43	6.5	Not analyzed for TPH				
SB-6 @ 8'	7/2/2013	11:49	9.0	12:54	58.1	20.0	1	HMW
SB-7 @ 0'	7/2/2013	11:53	3.3	Not analyzed for TPH				
SB-7 @ 2'	7/2/2013	11:55	3.0	Not analyzed for TPH				
SB-7 @ 4'	7/2/2013	11:57	3.1	Not analyzed for TPH				
SB-7 @ 6'	7/2/2013	12:00	26.0	12:56	49.7	20.0	1	HMW
SB-7 @ 8'	7/2/2013	12:06	3.0	Not analyzed for TPH				
SB-8 @ 0'	7/2/2013	12:10	3.2	Not analyzed for TPH				
SB-8 @ 2'	7/2/2013	12:15	7.5	Not analyzed for TPH				
SB-8 @ 4'	7/2/2013	12:19	7.0	Not analyzed for TPH				
SB-9 @ 0'	7/2/2013	12:21	2.9	Not analyzed for TPH				
SB-9 @ 2'	7/2/2013	12:28	2.0	Not analyzed for TPH				
SB-9 @ 4'	7/2/2013	12:32	2.1	Not analyzed for TPH				

Total Petroleum Hydrocarbons - USEPA 418.1

PQL Practical Quantitation Limit
 ND Not Detected at the Reporting Limit
 DF Dilution Factor
 NA Not Analyzed

Analyst:

Heather M. Woods

AES Field Screening Report



Animas Environmental Services, LLC

www.animasenvironmental.com

Client: ConocoPhillips

Project Location: San Juan 28-6 Unit #186N

Date: 7/16/2013

Matrix: Soil

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

Durango, Colorado
970-403-3084

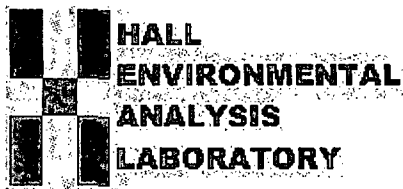
Sample ID	Collection Date	Collection Time	Sample Location	OVM (ppm)	Time of Sample Analysis	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SC-1	7/16/2013	9:22	West Wall	53.5	10:04	54.6	20.0	1	HMW
SC-2	7/16/2013	9:24	Base	3,103	10:07	300	20.0	1	HMW
SC-3	7/16/2013	10:12	North Wall	2,889	10:29	420	20.0	1	HMW
SC-4	7/16/2013	10:33	South Wall	3,028	10:58	729	20.0	1	HMW
SC-5	7/16/2013	10:44	East Wall	26.8	10:54	97.0	20.0	1	HMW

Total Petroleum Hydrocarbons - USEPA 418.1

PQL Practical Quantitation Limit
ND Not Detected at the Reporting Limit
DF Dilution Factor
NA Not Analyzed

Analyst:

Leather M. Woods



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

July 10, 2013

Debbie Watson

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

RE: COP San Juan 28-6 #186N

OrderNo.: 1307187

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 3 sample(s) on 7/3/2013 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', is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 1307187

Date Reported: 7/10/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SB-1 @ 12'

Project: COP San Juan 28-6 #186N

Collection Date: 7/2/2013 9:19:00 AM

Lab ID: 1307187-001

Matrix: SOIL

Received Date: 7/3/2013 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)	260	10		mg/Kg	1	7/8/2013 5:20:09 PM	8225
Surr: DNOP	100	63-147		%REC	1	7/8/2013 5:20:09 PM	8225
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	730	93		mg/Kg	20	7/5/2013 7:12:15 PM	8230
Surr: BFB	220	80-120	S	%REC	20	7/5/2013 7:12:15 PM	8230
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.93		mg/Kg	20	7/5/2013 7:12:15 PM	8230
Toluene	1.9	0.93		mg/Kg	20	7/5/2013 7:12:15 PM	8230
Ethylbenzene	3.5	0.93		mg/Kg	20	7/5/2013 7:12:15 PM	8230
Xylenes, Total	23	1.9		mg/Kg	20	7/5/2013 7:12:15 PM	8230
Surr: 4-Bromofluorobenzene	118	80-120		%REC	20	7/5/2013 7:12:15 PM	8230

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
				Page 1 of 10

Analytical Report

Lab Order 1307187

Date Reported: 7/10/2013

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental**Client Sample ID:** SB-3 @ Surface**Project:** COP San Juan 28-6 #186N**Collection Date:** 7/2/2013 9:40:00 AM**Lab ID:** 1307187-002**Matrix:** SOIL**Received Date:** 7/3/2013 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)	260	10		mg/Kg	1	7/8/2013 5:42:03 PM	8225
Surr: DNOP	102	63-147		%REC	1	7/8/2013 5:42:03 PM	8225
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	240	24		mg/Kg	5	7/5/2013 10:13:21 PM	8230
Surr: BFB	337	80-120	S	%REC	5	7/5/2013 10:13:21 PM	8230
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.24		mg/Kg	5	7/5/2013 10:13:21 PM	8230
Toluene	0.30	0.24		mg/Kg	5	7/5/2013 10:13:21 PM	8230
Ethylbenzene	1.1	0.24		mg/Kg	5	7/5/2013 10:13:21 PM	8230
Xylenes, Total	3.9	0.47		mg/Kg	5	7/5/2013 10:13:21 PM	8230
Surr: 4-Bromofluorobenzene	122	80-120	S	%REC	5	7/5/2013 10:13:21 PM	8230

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

Analytical Report

Lab Order 1307187

Date Reported: 7/10/2013

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental**Client Sample ID:** SB-4 @ 12'**Project:** COP San Juan 28-6 #186N**Collection Date:** 7/2/2013 10:49:00 AM**Lab ID:** 1307187-003**Matrix:** SOIL**Received Date:** 7/3/2013 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)	110	9.9		mg/Kg	1	7/8/2013 6:03:55 PM	8225
Surr: DNOP	101	63-147		%REC	1	7/8/2013 6:03:55 PM	8225
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	110	24		mg/Kg	5	7/8/2013 12:42:37 PM	8230
Surr: BFB	208	80-120	S	%REC	5	7/8/2013 12:42:37 PM	8230
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	7/8/2013 12:42:37 PM	8230
Toluene	ND	0.24		mg/Kg	5	7/8/2013 12:42:37 PM	8230
Ethylbenzene	0.60	0.24		mg/Kg	5	7/8/2013 12:42:37 PM	8230
Xylenes, Total	1.2	0.48		mg/Kg	5	7/8/2013 12:42:37 PM	8230
Surr: 4-Bromofluorobenzene	113	80-120		%REC	5	7/8/2013 12:42:37 PM	8230

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1307187

10-Jul-13

Client: Animas Environmental
Project: COP San Juan 28-6 #186N

Sample ID	MB-8225	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	8225	RunNo:	11753					
Prep Date:	7/3/2013	Analysis Date:	7/5/2013	SeqNo:	333912	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	9.0		10.00		90.4	63	147			

Sample ID	LCS-8225		SampType: LCS		TestCode: EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 8225		RunNo: 11753					
Prep Date:	7/3/2013		Analysis Date: 7/5/2013		SeqNo: 333913		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	102	77.1	128			
Surr: DNOP	4.7		5.000		93.3	63	147			

Sample ID	MB-8234		SampType:	MBLK		TestCode:	EPA Method 8015D: Diesel Range Organics				
Client ID:	PBS		Batch ID:	8234		RunNo:	11775				
Prep Date:	7/5/2013		Analysis Date:	7/8/2013		SeqNo:	334862		Units: %REC		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP	9.9		10.00		98.6	63	147				

Sample ID	LCS-8234		SampType:	LCS		TestCode:	EPA Method 8015D: Diesel Range Organics				
Client ID:	LCSS		Batch ID:	8234		RunNo:	11775				
Prep Date:	7/5/2013		Analysis Date:	7/8/2013		SeqNo:	334863		Units: %REC		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP	5.1		5.000		103	63	147				

Sample ID	1307154-001AMS		SampType:	MS		TestCode:	EPA Method 8015D: Diesel Range Organics				
Client ID:	BatchQC		Batch ID:	8225		RunNo:	11775				
Prep Date:	7/3/2013		Analysis Date:	7/8/2013		SeqNo:	334866		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	42	10	50.05	0	84.5	61.3	138				
Surr: DNOP	4.6		5.005		92.8	63	147				

Sample ID	1307154-001AMSD		SampType:	MSD		TestCode:	EPA Method 8015D: Diesel Range Organics				
Client ID:	BatchQC		Batch ID:	8225		RunNo:	11775				
Prep Date:	7/3/2013		Analysis Date:	7/8/2013		SeqNo:	334944		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	46	9.9	49.65	0	93.5	61.3	138	9.30	20		
Surr: DNOP	5.3		4.965		106	63	147	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 |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1307187

10-Jul-13

Client: Animas Environmental
Project: COP San Juan 28-6 #186N

Sample ID	1307197-001AMS	SampType:	MS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	BatchQC	Batch ID:	8234	RunNo:	11775					
Prep Date:	7/5/2013	Analysis Date:	7/8/2013	SeqNo:	335013	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.5		4.990		90.3	63	147			

Sample ID	1307197-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	BatchQC	Batch ID:	8234	RunNo:	11775					
Prep Date:	7/5/2013	Analysis Date:	7/9/2013	SeqNo:	335014	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.7		4.955		94.3	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

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#: 1307187

10-Jul-13

Client: Animas Environmental
Project: COP San Juan 28-6 #186N

Sample ID	MB-8230	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	R11754	RunNo:	11754					
Prep Date:	7/3/2013	Analysis Date:	7/5/2013	SeqNo:	334485	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	910		1000		91.4	80	120			

Sample ID	LCS-8230	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	R11754	RunNo:	11754					
Prep Date:	7/3/2013	Analysis Date:	7/5/2013	SeqNo:	334486	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	980		1000		97.6	80	120			

Sample ID	MB-8230	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	8230	RunNo:	11754					
Prep Date:	7/3/2013	Analysis Date:	7/5/2013	SeqNo:	334494	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		91.4	80	120			

Sample ID	LCS-8230	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	8230	RunNo:	11754					
Prep Date:	7/3/2013	Analysis Date:	7/5/2013	SeqNo:	334495	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	91.7	62.6	136			
Surr: BFB	980		1000		97.6	80	120			

Sample ID	1307177-001AMS	SampType:	MS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	BatchQC	Batch ID:	8230	RunNo:	11754					
Prep Date:	7/3/2013	Analysis Date:	7/5/2013	SeqNo:	334497	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	4.8	23.83	3.646	96.7	76	156			
Surr: BFB	970		953.3		101	80	120			

Sample ID	1307177-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	BatchQC	Batch ID:	8230	RunNo:	11754					
Prep Date:	7/3/2013	Analysis Date:	7/5/2013	SeqNo:	334498	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.8	23.81	3.646	84.7	76	156	11.4	17.7	
Surr: BFB	960		952.4		101	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

- 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#: 1307187

10-Jul-13

Client: Animas Environmental
Project: COP San Juan 28-6 #186N

Sample ID	MB-8237	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	R11797	RunNo:	11797					
Prep Date:	7/5/2013	Analysis Date:	7/8/2013	SeqNo:	335178	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	920		1000		91.7	80	120			

Sample ID	LCS-8237	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	R11797	RunNo:	11797					
Prep Date:	7/5/2013	Analysis Date:	7/8/2013	SeqNo:	335180	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	990		1000		99.4	80	120			

Sample ID	MB-8237	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	8237	RunNo:	11797					
Prep Date:	7/5/2013	Analysis Date:	7/8/2013	SeqNo:	335184	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	920		1000		91.7	80	120			

Sample ID	LCS-8237	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	8237	RunNo:	11797					
Prep Date:	7/5/2013	Analysis Date:	7/8/2013	SeqNo:	335185	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	990		1000		99.4	80	120			

Sample ID	1307210-002AMS	SampType:	MS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	BatchQC	Batch ID:	8237	RunNo:	11797					
Prep Date:	7/5/2013	Analysis Date:	7/8/2013	SeqNo:	335188	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	950		943.4		101	80	120			

Sample ID	1307210-002AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	BatchQC	Batch ID:	8237	RunNo:	11797					
Prep Date:	7/5/2013	Analysis Date:	7/8/2013	SeqNo:	335189	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	940		945.2		99.1	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

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#: 1307187

10-Jul-13

Client: Animas Environmental
Project: COP San Juan 28-6 #186N

Sample ID	MB-8230	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	R11754	RunNo:	11754					
Prep Date:	7/3/2013	Analysis Date:	7/5/2013	SeqNo:	334513	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		105	80	120			

Sample ID	LCS-8230	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	R11754	RunNo:	11754					
Prep Date:	7/3/2013	Analysis Date:	7/5/2013	SeqNo:	334514	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120			

Sample ID	MB-8230	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	8230	RunNo:	11754					
Prep Date:	7/3/2013	Analysis Date:	7/5/2013	SeqNo:	334522	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		105	80	120			

Sample ID	LCS-8230	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	8230	RunNo:	11754					
Prep Date:	7/3/2013	Analysis Date:	7/5/2013	SeqNo:	334523	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.050	1.000	0	92.0	80	120			
Toluene	0.90	0.050	1.000	0	89.6	80	120			
Ethylbenzene	0.91	0.050	1.000	0	91.2	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.1	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120			

Sample ID	1307185-001AMS	SampType:	MS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	BatchQC	Batch ID:	8230	RunNo:	11754					
Prep Date:	7/3/2013	Analysis Date:	7/5/2013	SeqNo:	334527	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.046	0.9276	0	96.5	67.3	145			
Toluene	0.89	0.046	0.9276	0.01846	93.6	66.8	144			
Ethylbenzene	0.91	0.046	0.9276	0	98.4	61.9	153			
Xylenes, Total	2.8	0.093	2.783	0.04212	98.0	65.8	149			
Surr: 4-Bromofluorobenzene	1.0		0.9276		111	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 |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1307187

10-Jul-13

Client: Animas Environmental
Project: COP San Juan 28-6 #186N

Sample ID	1307185-001AMSD		SampType: MSD		TestCode: EPA Method 8021B: Volatiles					
Client ID:	BatchQC		Batch ID: 8230		RunNo: 11754					
Prep Date:	7/3/2013		Analysis Date: 7/5/2013		SeqNo: 334528		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.046	0.9285	0	94.6	67.3	145	1.85	20	
Toluene	0.86	0.046	0.9285	0.01846	91.0	66.8	144	2.75	20	
Ethylbenzene	0.90	0.046	0.9285	0	97.0	61.9	153	1.27	20	
Xylenes, Total	2.7	0.093	2.786	0.04212	97.0	65.8	149	0.863	20	
Surr: 4-Bromofluorobenzene	1.0		0.9285		107	80	120	0	0	

Sample ID	MB-8237	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	R11797	RunNo:	11797					
Prep Date:	7/5/2013	Analysis Date:	7/8/2013	SeqNo:	335206	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			

Sample ID	LCS-8237	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	R11797	RunNo:	11797					
Prep Date:	7/5/2013	Analysis Date:	7/8/2013	SeqNo:	335207	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		108	80	120			

Sample ID	MB-8237	SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles				
Client ID:	PBS	Batch ID:	8237		RunNo:	11797				
Prep Date:	7/5/2013	Analysis Date:	7/8/2013		SeqNo:	335218	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			

Sample ID	LCS-8237	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	8237	RunNo:	11797					
Prep Date:	7/5/2013	Analysis Date:	7/8/2013	SeqNo:	335219	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		108	80	120			

Sample ID	1307210-001AMS	SampType:	MS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	BatchQC	Batch ID:	8237	RunNo:	11797					
Prep Date:	7/5/2013	Analysis Date:	7/8/2013	SeqNo:	335225	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		0.9615		106	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

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#: 1307187

10-Jul-13

Client: Animas Environmental

Project: COP San Juan 28-6 #186N

Sample ID	1307210-001AMSD			SampType:	MSD		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	BatchQC		Batch ID:	8237		RunNo:	11797				
Prep Date:	7/5/2013		Analysis Date:	7/8/2013		SeqNo:	335227		Units: %REC		
Analyte	Result	PQL	SPK value	SPK Ref.Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: 4-Bromofluorobenzene	1.0		0.9606		108	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

- 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: 1307187

RcptNo: 1

Received by/date: MG 07/03/13

Logged By: Anne Thorne 7/3/2013 10:00:00 AM

Completed By: Anne Thorne 7/3/2013

Reviewed By: IO 07/03/13

Anne Thorne

Anne Thorne

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)

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

CoP San Juan 20-6#186N

Project #:

Project Manager:

D. Watson

Sampler: H. Woods

On Ice: ☒ Yes ☐ No

Sample Temperature

HEAL No

130718

7/2/13	919	Soil	SB-1 @ 12'	1-4oz	—	TX1
7/2/13	940	Soil	SB- ^{NW} 3 @ Surface	1-4oz	—	-002
7/2/13	1049	Soil	SB-4 @ 12'	1-4oz	—	-003

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

	X	X	X	BTEX + MTBE + TPH (Gas only)
				BTEX + MTBE + TPH (Gas only)
	X	X	X	TPH 8015B (GRO / DRO / MBO)
				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^{3-} , SO_4^{2-})
				8081 Pesticides / 8082 PCB's
				8260B (VOA)
				8270 (Semi-VOA)
				Air Bubbles (Y or N)

Date:	Time:	Relinquished by:	Received by:	Date	Time
7/2/13	1712	Heather M. Woods	Christine Wacker	7/2/13	1712
Date:	Time:	Relinquished by:	Received by:	Date	Time
7/2/13	1744	Christine Wacker	Michelle G.	07/03/13	10:00

Remarks: Bill to ConocoPhillips
WD: 9648108
Supervisor: Garry Nelson
Area: 23
User ID: MKSPENC

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

July 18, 2013

Debbie Watson

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

RE: CoP San Juan 28-6 #186N

OrderNo.: 1307750

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 3 sample(s) on 7/17/2013 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', with a stylized flourish at the end.

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1307750

Date Reported: 7/18/2013

CLIENT: Animas Environmental

Client Sample ID: SC-2

Project: CoP San Juan 28-6 #186N

Collection Date: 7/16/2013 9:24:00 AM

Lab ID: 1307750-001

Matrix: SOIL

Received Date: 7/17/2013 9:51:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	7/17/2013 2:42:39 PM	R11998
Toluene	4.0	0.25		mg/Kg	5	7/17/2013 2:42:39 PM	R11998
Ethylbenzene	2.2	0.25		mg/Kg	5	7/17/2013 2:42:39 PM	R11998
Xylenes, Total	23	0.50		mg/Kg	5	7/17/2013 2:42:39 PM	R11998
Surr: 4-Bromofluorobenzene	91.6	80-120		%REC	5	7/17/2013 2:42:39 PM	R11998

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

Analytical Report

Lab Order 1307750

Date Reported: 7/18/2013

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental**Client Sample ID:** SC-3**Project:** CoP San Juan 28-6 #186N**Collection Date:** 7/16/2013 10:12:00 AM**Lab ID:** 1307750-002**Matrix:** SOIL**Received Date:** 7/17/2013 9:51:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.10		mg/Kg	4	7/17/2013 1:45:12 PM	R11998
Toluene	0.42	0.20		mg/Kg	4	7/17/2013 1:45:12 PM	R11998
Ethylbenzene	ND	0.20		mg/Kg	4	7/17/2013 1:45:12 PM	R11998
Xylenes, Total	2.0	0.40		mg/Kg	4	7/17/2013 1:45:12 PM	R11998
Surr: 4-Bromofluorobenzene	108	80-120		%REC	4	7/17/2013 1:45:12 PM	R11998

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1307750

Date Reported: 7/18/2013

CLIENT: Animas Environmental

Client Sample ID: SC-4

Project: CoP San Juan 28-6 #186N

Collection Date: 7/16/2013 10:33:00 AM

Lab ID: 1307750-003

Matrix: SOIL

Received Date: 7/17/2013 9:51:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.20		mg/Kg	10	7/17/2013 2:13:55 PM	R11998
Toluene	7.0	0.50		mg/Kg	10	7/17/2013 2:13:55 PM	R11998
Ethylbenzene	4.2	0.50		mg/Kg	10	7/17/2013 2:13:55 PM	R11998
Xylenes, Total	44	1.0		mg/Kg	10	7/17/2013 2:13:55 PM	R11998
Surr: 4-Bromofluorobenzene	105	80-120		%REC	10	7/17/2013 2:13:55 PM	R11998

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1307750

18-Jul-13

Client: Animas Environmental
Project: CoP San Juan 28-6 #186N

Sample ID	MB-8404	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	R11998	RunNo:	11998					
Prep Date:	7/16/2013	Analysis Date:	7/17/2013	SeqNo:	341937	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		100	80	120			

Sample ID	LCS-8404	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	R11998	RunNo:	11998					
Prep Date:	7/16/2013	Analysis Date:	7/17/2013	SeqNo:	341938	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	104	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	80	120			
Xylenes, Total	3.1	0.10	3.000	0	103	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	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

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: 1307750

RcptNo: 1

Received by/date:

[Signature] 07/17/13

Logged By: Anne Thorne

7/17/2013 9:51:00 AM

[Signature]

Completed By: Anne Thorne

7/17/2013

[Signature]

Reviewed By:

[Signature]

07/17/13

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			

Chain-of-Custody Record		Turn-Around Time:
Client: <u>Animas Environmental Services</u>	<input type="checkbox"/> Standard	<input checked="" type="checkbox"/> Rush <u>Same Day</u>
Mailing Address: <u>1624 E. Comanche</u>	Project Name: <u>CoP San Juan 28-6 #186N</u>	
<u>Farmington, NM 87401</u>	Project #:	
Phone #: <u>505-564-2281</u>	Project Manager:	
email or Fax#:	<u>D. Watson</u>	
QA/QC Package:	Sampler: <u>H. Woods / J. Christopherson</u>	
<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> Level 4 (Full Validation)	<input type="checkbox"/> On Ice
Accreditation		<input checked="" type="checkbox"/> Yes
<input type="checkbox"/> NELAP	<input type="checkbox"/> Other _____	<input type="checkbox"/> No
<input type="checkbox"/> EDD (Type) _____	Sample Temperature: <u>10.1</u>	

☐ Standard ☒ Rush Same Day

Col San Juan 28-6 #186N

Project Manager:

D. Watson

Sampler: H. Woods / J. Christopherson

On Ice ☒ Yes ☐ No

Sample Temperature: _____

[illegible]

Date:	Time:	Relinquished by:	Received by:	Date	Time	Remarks: Bill to ConocoPhillips WO: 9606228 Supervisor: Mike Smith Activity: DISO User: KGARCIA
7/14/13	1710	Heather M. Woods	Christine Walter	7/14/13	1710	
Date:	Time:	Relinquished by:	Received by:	Date	Time	
7/14/13	1740	Christine Walter	[Signature]	07/17/13	0957	

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.