

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

Form C-141
Revised August 8, 2011

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

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

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: Huerfanito 97	Facility Type: Gas
Surface Owner: Navajo	Mineral Owner: NOG-0652-1132
API No. 30-045-06356	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	24	27N	09W	1850'	South Line	1190'	West Line	San Juan

Latitude **36.55817** Longitude **-107.74413**

NATURE OF RELEASE

Type of Release Historic Contamination	Volume of Release Unknown	Volume Recovered None
Source of Release Beneath Production Tank	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 7/10/2014
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.	
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.* Historic Contamination was discovered beneath the production tank during facility reset activities on location.		
Describe Area Affected and Cleanup Action Taken.* Excavation was 105' x 70' x 17' Deep. 4500 c/yds of soil was transported to Envirotech Land Farm and 4500 c/yds of clean soil was transported from M&M Aztec Machine 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.		

OIL CONS. DIV DIST. 3
OCT 22 2014

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>[Signature]</i>	
Title: Field Environmental Specialist	Approval Date: 11/19/14	Expiration Date:
E-mail Address: Lindsay.Dumas@conocophillips.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 10/18/2014	Phone: (505) 599-4089	

* Attach Additional Sheets If Necessary

#NCS 1432334411

59



October 10, 2014

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: Initial Release Assessment and Final Excavation Report
Huerfanito #97
San Juan County, New Mexico**

Dear Ms. Dumas:

On July 10 and 11, August 28, and September 3, 2014, Animas Environmental Services, LLC (AES) completed an initial release assessment and environmental clearance of the final excavation limits at the ConocoPhillips (CoP) Huerfanito #97, located in San Juan County, New Mexico. Historic contamination was discovered beneath a production tank during facility reset activities at the location. The initial release assessment was completed by AES on July 11, 2014, and the final excavation was completed by CoP contractors prior to AES' arrival at the location on September 3, 2014.

1.0 Site Information

1.1 Location

Site Name – Huerfanito #97

Location – NW¼ SW¼, Section 24, T27N, R9W, San Juan County, New Mexico

Well Head Lat/Long – N36.55838 and W107.74498, respectively

Release Location Lat/Long – N36.55838 and W107.74521, respectively

Land Jurisdiction – Navajo Nation Allotment

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, July 2014

1.2 NMOCD Ranking

The Huerfanito #97 is located within Navajo Nation Allotment lands. Navajo Nation Environmental Protection Agency (NNEPA) adheres to action levels for releases and spills as established by the New Mexico Oil Conservation Division (NMOCD).

In accordance with the New Mexico Oil Conservation Division (NMOCD) *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), the location was given a ranking score of 20 based on the following factors:

- **Depth to Groundwater:** The location is approximately 150 feet higher than Blanco Wash, which is located approximately 0.6 miles northeast. (0 points)
- **Wellhead Protection Area:** The release location is not within a known wellhead protection area. (0 points)
- **Distance to Surface Water Body:** A small unnamed wash that is a tributary to Blanco Wash is located approximately 140 feet to the south. (20 points)

1.3 Assessment

AES was initially contacted by Dan Rudder, CoP representative, on July 10, 2014, and on July 10 to 11, 2014, Stephanie Lynn and Sam Glasses of AES completed the release assessment field work. The assessment included collection and field sampling of 36 soil samples from 10 borings in and around the release area. Soil borings were terminated between 4 and 12 feet below grade. Based on the field sampling results, AES recommended further excavation of the release area. Sample locations are shown on Figure 3.

On August 28 and September 3, 2014, AES returned to the location to collect confirmation soil samples of the excavation. The field sampling activities included collection of 10 confirmation soil samples from the walls and base of the excavation. The area of the final excavation measured approximately 105 feet by 70 feet by 17 feet in depth. Sample locations and final excavation extents are presented on Figure 4.

2.0 Soil Sampling

A total of 36 soil samples from 10 borings (SB-1 through SB-10) and 10 composite samples (SC-1 through SC-10) were collected during the assessments. All soil samples were field screened for volatile organic compounds (VOCs), and selected samples were also analyzed for total petroleum hydrocarbons (TPH). One sample collected during the initial assessment (SB-10) and all composite samples (SC-1 through SC-10) collected during the excavation clearance were submitted for confirmation laboratory analysis.

2.1 Field Sampling

2.1.1 Volatile Organic Compounds

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

2.1.2 Total Petroleum Hydrocarbons

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

2.2 Laboratory Analyses

The soil samples collected for laboratory analysis were placed into new, clean, laboratory-supplied containers, which were then labeled, placed on ice, and logged onto a sample chain of custody record. Samples were maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall) in Albuquerque, New Mexico. All soil samples were laboratory analyzed for:

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

2.3 Field and Laboratory Analytical Results

On July 10 and 11, 2014, initial assessment field screening results for VOCs via OVM showed concentrations ranging from 0.3 ppm in SB-5 and SB-6 up to 3,901 ppm in SB-3. Field TPH concentrations ranged from 37.9 mg/kg in SB-2 to greater than 2,500 mg/kg in SB-1.

On August 28 and September 3, 2014, final excavation field screening results for VOCs via OVM ranged from 6.5 ppm in SC-10 up to 3,481 ppm in SC-3. Field TPH concentrations ranged from 26.9 mg/kg in SC-9 up to 494 mg/kg in SC-3. Results are included below in Table 1 and on Figures 3 and 4. The AES Field Sampling Reports are attached.

Table 1. Field Sampling VOCs and TPH Results
Huerfanito #97 Release Assessment and Final Excavation
July, August, and September 2014

<i>Sample ID</i>	<i>Date Sampled</i>	<i>Sample Depth (ft bgs)</i>	<i>VOCs via OVM (ppm)</i>	<i>TPH 418.1 (mg/kg)</i>
NMOCD Action Level*			100	100
SB-1	7/10/14	Surface	2,055	145
		2	55.7	NA
		4	86.2	NA
		6	3,271	>2,500
		9	1,579	86.8
		11	1,681	108
	7/11/14	12	3,725	1,540
SB-2	7/10/14	Surface	12.4	37.9
		2	1.2	NA
		4	1.1	NA
		6	1.9	NA
SB-3	7/10/14	Surface	591	NA
		2	64.8	NA
		4	3,901	529
SB-4	7/10/14	Surface	91.5	NA
		2	1.1	NA
		4	0.8	NA
		6	9.1	323
	7/11/14	9	2,937	NA
SB-5	7/10/14	Surface	0.4	NA
		2	0.5	NA
		4	0.3	NA
	7/11/14	9	3,091	134
		12	2,055	362

<i>Sample ID</i>	<i>Date Sampled</i>	<i>Sample Depth (ft bgs)</i>	<i>VOCs via OVM (ppm)</i>	<i>TPH 418.1 (mg/kg)</i>
NMOCD Action Level*			100	100
SB-6	7/10/14	Surface	0.4	NA
		2	0.3	NA
		4	0.3	NA
		6	0.4	NA
SB-7	7/11/14	9	2,123	225
		12	1,895	662
SB-8	7/11/14	9	23.5	60.2
		12	261	64.4
SB-9	7/11/14	9	1.3	60.2
		12	172	63.0
SB-10	7/11/14	9	1,051	186
		12	1,385	334
SC-1	8/28/14	1 to 17	540	76.5
SC-2	8/28/14	1 to 17	433	28.6
SC-3	8/28/14	1 to 17	3,481	494
SC-4	8/28/14	17	968	148
SC-5	8/28/14	1 to 17	951	39.5
SC-6	8/28/14	1 to 17	3,254	126
SC-7	8/28/14	1 to 17	1,437	56.8
SC-8	8/28/14	17	607	45.5
SC-9	9/3/14	1 to 17	144	26.9
SC-10	9/3/14	1 to 17	6.5	86.9

NA – not analyzed

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

Laboratory analyses for SB-10 were used to confirm field sampling results of the initial release assessment. Benzene and total BTEX concentrations were reported at 0.41 mg/kg and 28.9 mg/kg, respectively. TPH concentrations as GRO/DRO were reported as 433 mg/kg.

Laboratory analyses for SC-1 through SC-10 were used to confirm field sampling results from the final excavation. Benzene concentrations in all samples were reported below laboratory detection limits, ranging between 0.028 mg/kg and 0.074 mg/kg. Total BTEX concentrations ranged from below laboratory detection limits in SC-1, SC-2, SC-8, and SC-10, up to 7.5 mg/kg in SC-3. TPH concentrations as GRO/DRO ranged from below laboratory detection limits in SC-1, SC-2, SC-8, and SC-10, up to 340 mg/kg in SC-3. Results are presented in Table 2 and on Figure 4. The laboratory analytical reports are attached.

Table 2. Laboratory Analytical Results – Benzene, Total BTEX, and TPH
Huerfanito #97 Initial Release Assessment and Final Excavation
July, August, and September 2014

<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>GRO (mg/kg)</i>	<i>DRO (mg/kg)</i>
<i>NMOCDC Action Level*</i>			10	50	100	
SB-10	7/11/14	12	0.41	28.9	410	23
SC-1	8/28/14	1 to 17	<0.072	<0.642	<14	16
SC-2	8/28/14	1 to 17	<0.035	<0.175	<3.5	<9.9
SC-3	8/28/14	1 to 17	<0.070	7.5	170	170
SC-4	8/28/14	17	<0.055	0.72	28	27
SC-5	8/28/14	1 to 17	<0.058	0.89	20	<9.9
SC-6	8/28/14	1 to 17	<0.070	3.1	60	67
SC-7	8/28/14	1 to 17	<0.074	1.4	37	14
SC-8	8/28/14	17	<0.071	<0.631	<14	<10
SC-9	9/3/14	1 to 17	<0.029	0.034	6.9	<9.9
SC-10	9/3/14	1 to 17	<0.028	<0.140	<2.8	<9.9

NA – not analyzed

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

3.0 Conclusions and Recommendations

On July 10 and 11, 2014, AES conducted an initial assessment of petroleum contaminated soils associated with historic contamination beneath a production tank at the Huerfanito #97, located within the Navajo Nation Allotment. NNEPA utilizes action levels for releases and spills as established by the NMOCDC.

Action levels for releases are determined by the NMOCD (NNEPA) ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), and the site was assigned a rank of 20.

Initial assessment field sampling results from July 2014 were above the NMOCD action level of 100 ppm VOCs and 100 mg/kg TPH in SB-1, SB-3 through SB-5, and SB-7 through SB-10. The highest VOC concentration was reported in SB-3 with 3,901 ppm, and the highest TPH concentration was reported in SB-1 with greater than 2,500 mg/kg. Laboratory analyses for SB-10 were used to confirm field sampling results. Benzene and total BTEX concentrations were reported below the NMOCD action levels of 10 mg/kg and 50 mg/kg, respectively. However, TPH concentrations as GRO/DRO exceeded the NMOCD action level of 100 mg/kg (433 mg/kg). Because TPH concentrations exceeded NMOCD action levels, a release was confirmed and excavation of the impacted soils was recommended.

On August 28, 2014, initial excavation of the impacted area was completed. Field sampling results of the excavation extents showed that VOC concentrations were above applicable NMOCD action levels in all samples. Additionally, field TPH concentrations were above the applicable NMOCD action level of 100 mg/kg for SC-3 (south wall), SC-4 (south base), and SC-6 (northeast wall). However, laboratory analytical results reported benzene and total BTEX concentrations below NMOCD action levels in all samples, and TPH concentrations as GRO/DRO were reported below the applicable NMOCD action level in all samples, except SC-3 (340 mg/kg) and SC-6 (127 mg/kg).

On September 3, 2014, final excavation of the impacted area was completed. Field sampling results of the final excavation area showed that VOC concentrations were slightly above applicable NMOCD action levels in SC-9 (final south wall) but below NMOCD action levels in SC-10 (final east wall). Field TPH concentrations were below the applicable NMOCD action level in both samples. Laboratory analytical results also reported benzene, total BTEX, and TPH (as GRO/DRO) concentrations in SC-9 and SC-10 below NMOCD action levels in both samples.

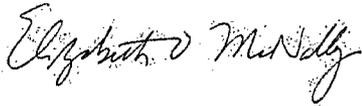
Based on final field sampling and laboratory analytical results of the excavation of petroleum contaminated soils at the Huerfanito #97, VOC, benzene, total BTEX, and TPH concentrations were below applicable NMOCD action levels for each of the sidewalls and base of the final excavation. No further work is recommended.

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

Sincerely,



David J. Reese
Environmental Scientist

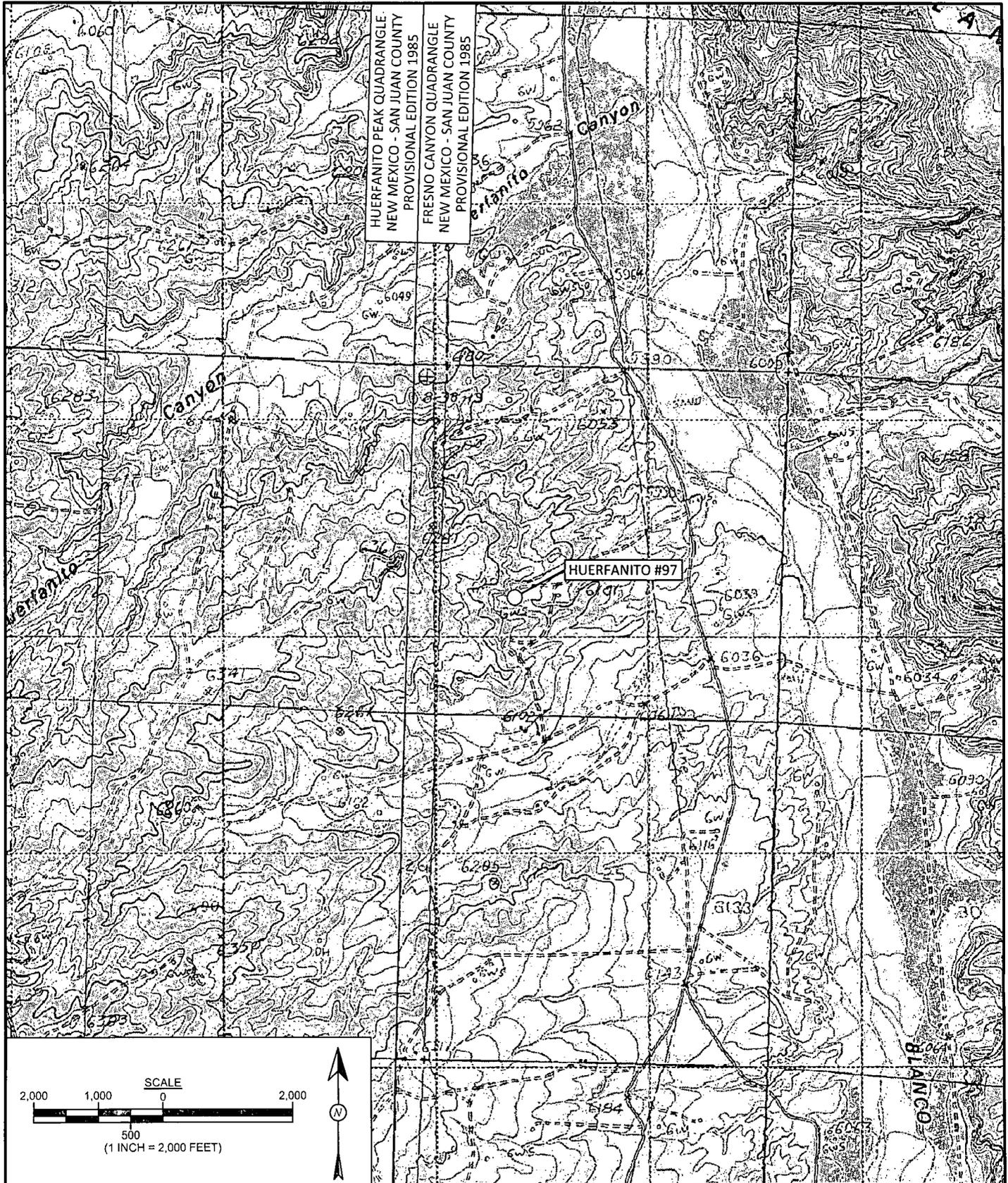


Elizabeth McNally, PE

Attachments:

- Figure 1. Topographic Site Location Map
- Figure 2. Aerial Site Map, July 2014
- Figure 3. Initial Assessment Sample Locations and Results, July 2014
- Figure 4. Final Excavation Sample Locations and Results, August and September 2014
- AES Field Sampling Report 071014
- AES Field Sampling Report 071114
- AES Field Sampling Report 082814
- AES Field Sampling Report 090314
- Hall Laboratory Analytical Report 1407710
- Hall Laboratory Analytical Report 1408F22
- Hall Laboratory Analytical Report 1408G09
- Hall Laboratory Analytical Report 1409140

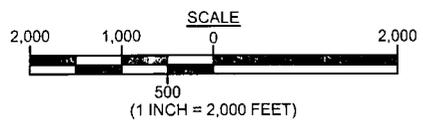
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Projects\ConocoPhillips\Huerfanito #97\Huerfanito #97 Release and Final Excavation Report 101014.docx



HUERFANITO PEAK QUADRANGLE
 NEW MEXICO - SAN JUAN COUNTY
 PROVISIONAL EDITION 1985

FRESNO CANYON QUADRANGLE
 NEW MEXICO - SAN JUAN COUNTY
 PROVISIONAL EDITION 1985

HUERFANITO #97



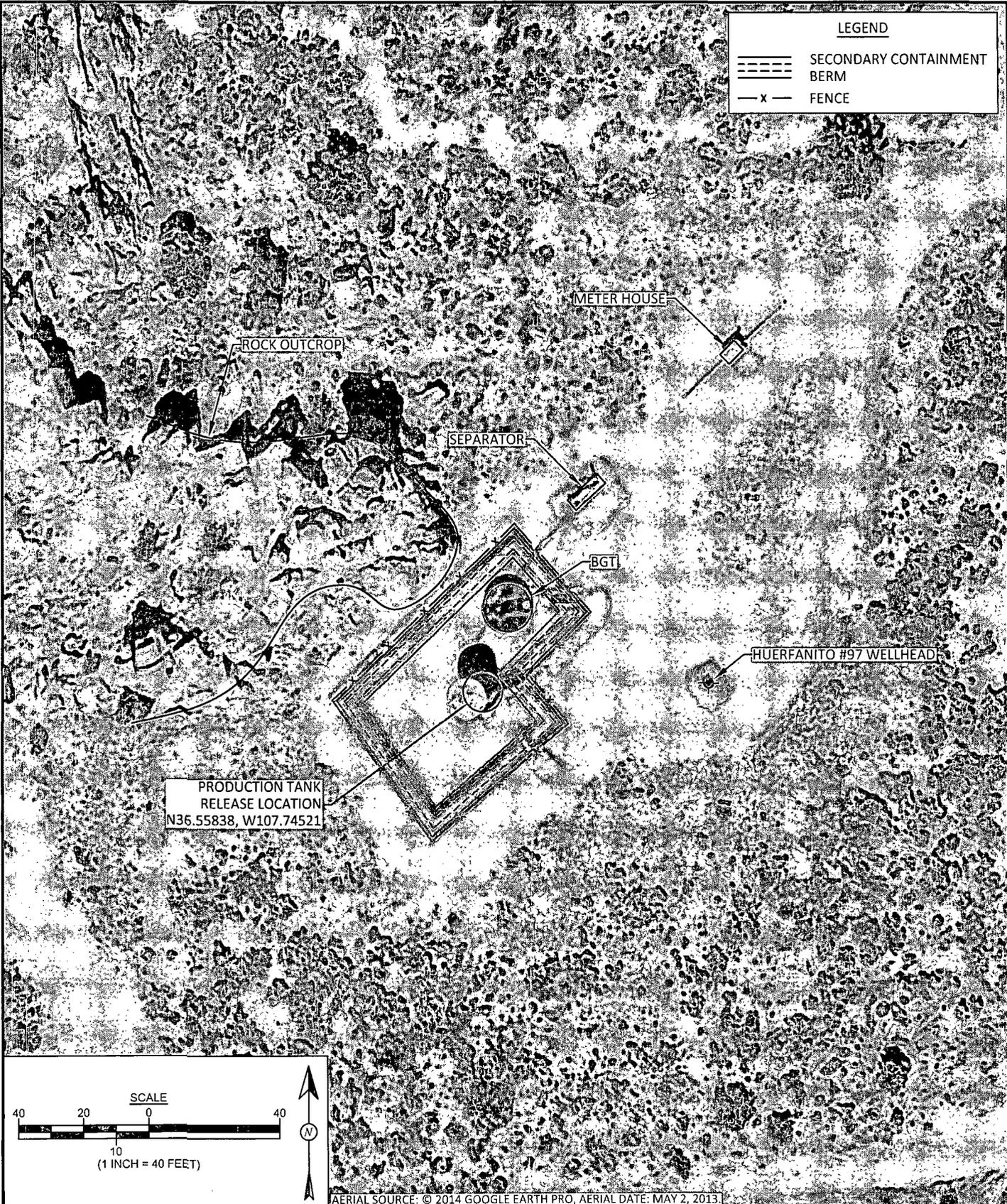
Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: September 2, 2014
REVISIONS BY: C. Lameman	DATE REVISED: September 15, 2014
CHECKED BY: E. Skyles	DATE CHECKED: September 15, 2014
APPROVED BY: E. McNally	DATE APPROVED: September 15, 2014

FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP
 ConocoPhillips
 HUERFANITO #97
 NW¼ SW¼, SECTION 24, T27N, R9W
 SAN JUAN COUNTY, NEW MEXICO
 N36.5838, W107.74498

LEGEND	
	SECONDARY CONTAINMENT BERM
	FENCE



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



Animas Environmental Services, LLC

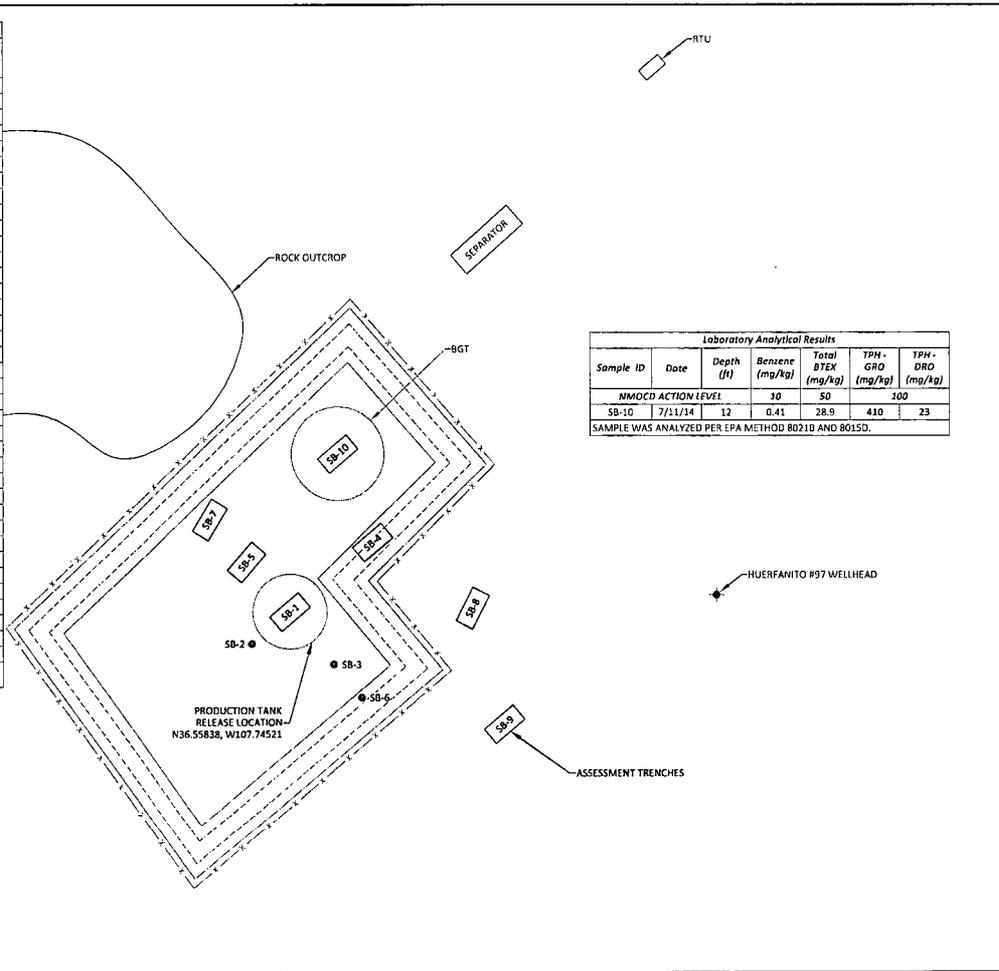
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REVISIONS BY: C. Lameman	DATE REVISED: September 15, 2014
CHECKED BY: E. Skyles	DATE CHECKED: September 15, 2014
APPROVED BY: E. McNally	DATE APPROVED: September 15, 2014

FIGURE 2

**AERIAL SITE MAP
JULY 2014**

ConocoPhillips
HUERFANITO #97
NW¼ SW¼, SECTION 24, T27N, R9W
SAN JUAN COUNTY, NEW MEXICO
N36.55838, W107.74498

Field Sampling Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
		NMOC ACTION LEVEL		100
SB-1	7/10/14	Surface	2,055	145
		2	55.7	NA
		4	86.2	NA
		6	3,271	>2,500
		9	1,579	95.8
		11	1,681	108
SB-1	7/11/14	12	3,325	1,540
		Surface	12.4	37.9
SB-2	7/10/14	2	1.2	NA
		4	1.1	NA
		6	1.9	NA
		Surface	591	NA
SB-3	7/10/14	2	64.8	NA
		4	3,901	529
		Surface	91.5	NA
SB-4	7/10/14	2	1.1	NA
		4	0.8	NA
		6	9.1	323
		7/11/14	9	2,937
SB-5	7/10/14	Surface	0.4	NA
		2	0.5	NA
		4	0.3	NA
		9	3,091	134
SB-6	7/10/14	12	2,055	362
		Surface	0.4	NA
		2	0.3	NA
SB-7	7/11/14	4	0.3	NA
		6	0.4	NA
		9	2,123	225
SB-8	7/11/14	12	1,895	662
		9	23.5	60.2
SB-9	7/11/14	12	261	64.4
		9	1.3	60.2
SB-10	7/11/14	12	172	63.0
		9	1,051	186
SB-10	7/11/14	12	1,385	334



Laboratory Analytical Results						
Sample ID	Date	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)
		NMOC ACTION LEVEL		10	50	100
SB-10	7/11/14	12	0.41	28.9	410	23

SAMPLE WAS ANALYZED PER EPA METHOD 8021B AND 8015D.

FIGURE 3

INITIAL ASSESSMENT SAMPLE LOCATIONS AND RESULTS
 JULY 2014
 ConocoPhillips
 HUERFANITO #97
 NW¼ SW¼, SECTION 24, T27N, R9W
 SAN JUAN COUNTY, NEW MEXICO
 N36.55838, W107.74498

Animas Environmental Services, LLC

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REVISIONS BY: C. Lamegan	DATE REVISED: September 15, 2014
CHECKED BY: E. Skyles	DATE CHECKED: September 15, 2014
APPROVED BY: E. McNally	DATE APPROVED: September 15, 2014

LEGEND

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

SCALE
 15 5 0 5 15
 10
 (1 INCH = 15 FEET)

FIGURE 4

FINAL EXCAVATION SAMPLE LOCATIONS AND RESULTS AUGUST AND SEPTEMBER 2014
 ConocoPhillips
 HUERFANITO #97
 NW¼ 50¼, SECTION 24, T27N, R9W
 SAN JUAN COUNTY, NEW MEXICO
 N36.55838, W107.74498

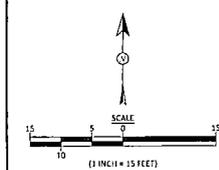


Animas Environmental Services, LLC

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LEGEND

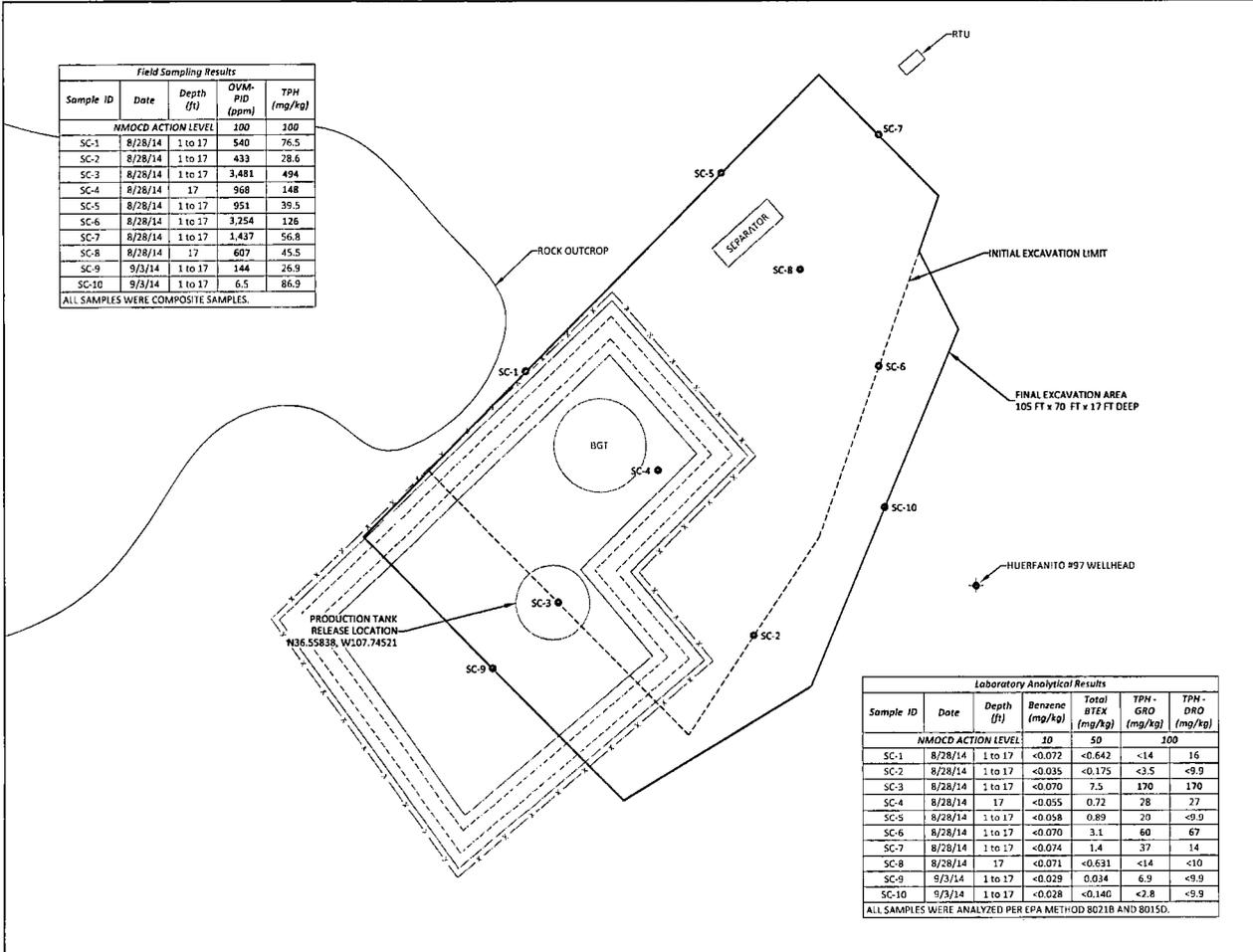
- SAMPLE LOCATIONS
- ===== SECONDARY CONTAINMENT BERM
- - - - - FENCE



Field Sampling Results

Sample ID	Date	Depth (ft)	QVM-PID (ppm)	TPH (mg/kg)
NMOC ACTION LEVEL				
			100	100
SC-1	8/28/14	1 to 17	540	76.5
SC-2	8/28/14	1 to 17	433	28.6
SC-3	8/28/14	1 to 17	3,481	494
SC-4	8/28/14	17	968	148
SC-5	8/28/14	1 to 17	951	39.5
SC-6	8/28/14	1 to 17	3,254	126
SC-7	8/28/14	1 to 17	1,437	56.8
SC-8	8/28/14	17	607	45.5
SC-9	9/3/14	1 to 17	144	26.9
SC-10	9/3/14	1 to 17	6.5	86.9

ALL SAMPLES WERE COMPOSITE SAMPLES.



Laboratory Analytical Results

Sample ID	Date	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPN - GRO (mg/kg)	TPN - DRO (mg/kg)
NMOC ACTION LEVEL						
			10	50	100	100
SC-1	8/28/14	1 to 17	<0.072	<0.642	<14	16
SC-2	8/28/14	1 to 17	<0.035	<0.175	<3.5	<9.9
SC-3	8/28/14	1 to 17	<0.070	7.5	170	170
SC-4	8/28/14	17	<0.055	0.72	28	27
SC-5	8/28/14	1 to 17	<0.058	0.89	20	<9.9
SC-6	8/28/14	1 to 17	<0.070	3.1	60	67
SC-7	8/28/14	1 to 17	<0.074	1.4	37	14
SC-8	8/28/14	17	<0.071	<0.631	<14	<10
SC-9	9/3/14	1 to 17	<0.039	0.034	6.9	<9.9
SC-10	9/3/14	1 to 17	<0.038	<0.140	<2.8	<9.9

ALL SAMPLES WERE ANALYZED PER EPA METHOD 8071B AND 8015D.

AES Field Sampling 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: Huerfanito #97

Date: 7/10/2014

Matrix: Soil

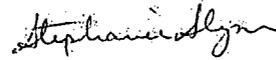
Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SB-1 @ Surface	7/10/2014	14:05	2,055	145	11:40	20.0	1	SL
SB-1 @ 2'	7/10/2014	14:08	55.7	Not Analyzed for TPH				
SB-1 @ 4'	7/10/2014	14:12	86.2	Not Analyzed for TPH				
SB-1 @ 6'	7/10/2014	14:20	3,271	>2,500	11:40	20.0	1	SL
SB-1 @ 9'	7/10/2014	14:30	1,579	86.8	11:40	20.0	1	SL
SB-1 @ 11'	7/10/2014	14:50	1681	108	11:40	20.0	1	SL
SB-2 @ Surface	7/10/2014	14:58	12.4	37.9	12:49	20.0	1	SL
SB-2 @ 2'	7/10/2014	15:04	1.2	Not Analyzed for TPH				
SB-2 @ 4'	7/10/2014	15:10	1.1	Not Analyzed for TPH				
SB-2 @ 6'	7/10/2014	15:15	1.9	Not Analyzed for TPH				
SB-3 @ Surface	7/10/2014	15:20	591	Not Analyzed for TPH				
SB-3 @ 2'	7/10/2014	15:25	64.8	Not Analyzed for TPH				
SB-3 @ 4'	7/10/2014	15:30	3,901	529	12:53	20.0	1	SL

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SB-4 @ Surface	7/10/2014	15:35	91.5	Not Analyzed for TPH				
SB-4 @ 2'	7/10/2014	15:40	1.1	Not Analyzed for TPH				
SB-4 @ 4'	7/10/2014	15:45	0.8	Not Analyzed for TPH				
SB-4 @ 6'	7/10/2014	15:50	9.1	323	12:57	20.0	1	SL
SB-5 @ Surface	7/10/2014	16:05	0.4	Not Analyzed for TPH				
SB-5 @ 2'	7/10/2014	16:10	0.5	Not Analyzed for TPH				
SB-5 @ 4'	7/10/2014	16:20	0.3	Not Analyzed for TPH				
SB-6 @ Surface	7/10/2014	16:30	0.4	Not Analyzed for TPH				
SB-6 @ 2'	7/10/2014	16:35	0.3	Not Analyzed for TPH				
SB-6 @ 4'	7/10/2014	16:45	0.3	Not Analyzed for TPH				
SB-6 @ 6'	7/10/2014	16:50	0.4	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.

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst:



AES Field Sampling 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: Huerfanito #97

Date: 7/11/2014

Matrix: Soil

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SB-1 @ 12'	7/11/2014	9:00	3,725	1,541	10:20	20.0	1	CL
SB-4 @ 9'	7/11/2014	10:15	2,937	<i>Not Analyzed for TPH</i>				
SB-5 @ 9'	7/11/2014	9:20	3,091	134	10:25	20.0	1	CL
SB-5 @ 12'	7/11/2014	9:25	2,055	362	10:28	20.0	1	CL
SB-7 @ 9'	7/11/2014	9:35	2,123	225	10:32	20.0	1	CL
SB-7 @ 12'	7/11/2014	9:45	1,895	662	10:35	20.0	1	CL
SB-8 @ 9'	7/11/2014	10:25	23.5	60.2	10:44	20.0	1	CL
SB-8 @ 12'	7/11/2014	10:31	261	64.4	10:47	20.0	1	CL
SB-9 @ 9'	7/11/2014	10:39	1.3	60.2	11:24	20.0	1	CL
SB-9 @ 12'	7/11/2014	10:45	172	63.0	11:30	20.0	1	CL
SB-10 @ 9'	7/11/2014	10:52	1,051	186	11:35	20.0	1	CL
SB-10 @ 12'	7/11/2014	10:59	1,385	334	11:40	20.0	1	CL

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
-----------	-----------------	-----------------	-----------	--------------------	-------------------------	-----------------	----	-----------------------

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:



AES Field Sampling 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: Huerfanito #97

Date: 8/28/2014

Matrix: Soil

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SC-1	8/28/2014	16:40	North Wall	540	76.5	18:09	20.0	1	SL
SC-2	8/28/2014	16:45	South Wall	433	28.6	18:11	20.0	1	SL
SC-3	8/28/2014	16:50	West Wall	3,481	494	18:07	20.0	1	SL
SC-4	8/28/2014	16:55	Base	968	148	18:05	20.0	1	SL
SC-5	8/28/2014	17:00	North Wall	951	39.5	18:00	20.0	1	SL
SC-6	8/28/2014	17:05	South Wall	3,254	126	18:13	20.0	1	SL
SC-7	8/28/2014	17:10	East Wall	1,437	56.8	18:14	20.0	1	SL
SC-8	8/28/2014	17:15	Base	607	45.5	18:03	20.0	1	SL

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

*TPH concentrations recorded may be below PQL.

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst: *Stephanie Flynn*

AES Field Sampling Report



Animas Environmental Services, LLC

www.animasenvironmental.com

624 E. Comanche
Farmington, NM 87401
505-564-2201

Durango, Colorado
970-403-3084

Client: ConocoPhillips

Project Location: Huerfanito #97

Date: 9/3/2014

Matrix: Soil

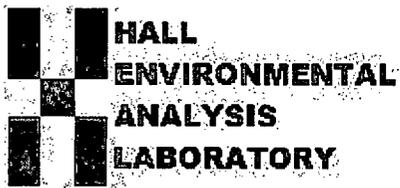
Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SC-1	9/3/2014	14:10	West Wall	144	26.9	14:33	20.0	1	CL
SC-2	9/3/2014	14:15	Southeast Wall	6.5	86.9	14:30	20.0	1	CL

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

*TPH concentrations recorded may be below PQL.

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst:



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

July 23, 2014

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

RE: CoP Huerfanito #97

OrderNo.: 1407710

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 7/16/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data 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 light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SB-10 @ 12'

Project: CoP Huerfanito #97

Collection Date: 7/11/2014 10:59:00 AM

Lab ID: 1407710-001

Matrix: SOIL

Received Date: 7/16/2014 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	23	10		mg/Kg	1	7/17/2014 10:56:28 AM	14274
Surr: DNOP	79.4	57.9-140		%REC	1	7/17/2014 10:56:28 AM	14274
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	410	58		mg/Kg	20	7/21/2014 3:15:38 PM	R20023
Surr: BFB	171	80-120	S	%REC	20	7/21/2014 3:15:38 PM	R20023
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.41	0.29		mg/Kg	20	7/21/2014 3:15:38 PM	R20023
Toluene	1.4	0.58		mg/Kg	20	7/21/2014 3:15:38 PM	R20023
Ethylbenzene	2.1	0.58		mg/Kg	20	7/21/2014 3:15:38 PM	R20023
Xylenes, Total	25	1.2		mg/Kg	20	7/21/2014 3:15:38 PM	R20023
Surr: 4-Bromofluorobenzene	114	80-120		%REC	20	7/21/2014 3:15:38 PM	R20023

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.
	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#: 1407710

23-Jul-14

Client: Animas Environmental

Project: CoP Huerfanito #97

Sample ID	MB-14274	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	14274	RunNo:	19943					
Prep Date:	7/17/2014	Analysis Date:	7/17/2014	SeqNo:	580659	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	7.7		10.00		76.8	57.9	140			

Sample ID	LCS-14274	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	14274	RunNo:	19943					
Prep Date:	7/17/2014	Analysis Date:	7/17/2014	SeqNo:	580660	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	93.1	68.6	130			
Surr: DNOP	3.9		5.000		77.7	57.9	140			

Sample ID	1407710-001AMS	SampType:	MS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	SB-10 @ 12'	Batch ID:	14274	RunNo:	19943					
Prep Date:	7/17/2014	Analysis Date:	7/17/2014	SeqNo:	580663	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	69	9.9	49.46	23.42	92.9	40.1	152			
Surr: DNOP	3.9		4.946		78.5	57.9	140			

Sample ID	1407710-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	SB-10 @ 12'	Batch ID:	14274	RunNo:	19943					
Prep Date:	7/17/2014	Analysis Date:	7/17/2014	SeqNo:	580664	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	72	10	50.20	23.42	96.3	40.1	152	3.44	32.1	
Surr: DNOP	4.0		5.020		80.3	57.9	140	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1407710

23-Jul-14

Client: Animas Environmental

Project: CoP Huerfanito #97

Sample ID	5ML RB	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	R19984	RunNo:	19984					
Prep Date:		Analysis Date:	7/18/2014	SeqNo:	581093	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	940		1000		93.7	80	120			

Sample ID	2.5UG GRO LCSB	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	R19984	RunNo:	19984					
Prep Date:		Analysis Date:	7/18/2014	SeqNo:	581094	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	980		1000		97.7	80	120			

Sample ID	MB-14303 MK	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	R20023	RunNo:	20023					
Prep Date:		Analysis Date:	7/21/2014	SeqNo:	582200	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	840		1000		83.8	80	120			

Sample ID	LCS-14303 MK	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	R20023	RunNo:	20023					
Prep Date:		Analysis Date:	7/21/2014	SeqNo:	582201	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	92.6	71.7	134			
Surr: BFB	880		1000		88.4	80	120			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1407710

23-Jul-14

Client: Animas Environmental

Project: CoP Huerfanito #97

Sample ID	5ML RB	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	R19984	RunNo:	19984					
Prep Date:		Analysis Date:	7/18/2014	SeqNo:	581128	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	100NG BTEX LCS	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	R19984	RunNo:	19984					
Prep Date:		Analysis Date:	7/18/2014	SeqNo:	581129	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			

Sample ID	MB-14303 MK	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	R20023	RunNo:	20023					
Prep Date:		Analysis Date:	7/21/2014	SeqNo:	582227	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	0.98		1.000		97.6	80	120			

Sample ID	LCS-14303 MK	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	R20023	RunNo:	20023					
Prep Date:		Analysis Date:	7/21/2014	SeqNo:	582228	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.050	1.000	0	92.9	80	120			
Toluene	0.92	0.050	1.000	0	91.8	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.2	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		105	80	120			

Qualifiers:

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

Sample Log-In Check List

Client Name: Anlmas Environmental

Work Order Number: 1407710

RcptNo: 1

Received by/date: CS 07/16/14

Logged By: Anne Thorne 7/16/2014 8:10:00 AM *Anne Thorne*

Completed By: Anne Thorne 7/16/2014 *Anne Thorne*

Reviewed By: *CS/AT 07/16/14*

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:

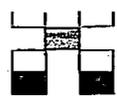
18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.4	Good	Yes			

Chain-of-Custody Record

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) _____

Turn-Around Time:
 Standard Rush
 Project Name: CoP Huerfano #97
 Project #:
 Project Manager: D Watson
 Sampler: C. Lameman
 On Ice: Yes No
 Sample Temperature: 17.4°



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TPH (Gas only)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO/DRO/PRO)	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)
7-11-14	1059	Soil	SB-10 @ 12'	MED # ket. 4oz	Meth cold	1460710	X		X									

Date: 7/15/14 Time: 1632 Relinquished by: [Signature]
 Date: 7/15/14 Time: 1800 Relinquished by: [Signature]

Received by: Christina Walter Date: 7/15/14 Time: 1632
 Received by: Celina Sauer Date: 07/16/14 Time: 0810

Remarks: Bill to Conoco Phillips
WO: WAN, FEH-4001, FC.29 ordered by: Danny Ridder
Area: 21 supervisor: Fasho Trujillo user: KGARCIA

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 02, 2014

Emilee Skyles

Animas Environmental
624 East Comanche
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: COP Huerfanito #97

OrderNo.: 1408F22

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 8 sample(s) on 8/29/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data 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 in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: COP Huerfanito #97
Lab ID: 1408F22-001

Client Sample ID: SC-1
Collection Date: 8/28/2014 4:40:00 PM
Received Date: 8/29/2014 8:25:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.072		mg/Kg	5	8/29/2014 11:22:25 AM	R20898
Toluene	ND	0.14		mg/Kg	5	8/29/2014 11:22:25 AM	R20898
Ethylbenzene	ND	0.14		mg/Kg	5	8/29/2014 11:22:25 AM	R20898
Xylenes, Total	ND	0.29		mg/Kg	5	8/29/2014 11:22:25 AM	R20898
Surr: 4-Bromofluorobenzene	103	80-120		%REC	5	8/29/2014 11:22:25 AM	R20898

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	Page 1 of 11
	O RSD is greater than RSDlimit	P Sample pH greater than 2.	
	R RPD outside accepted recovery limits	RL Reporting Detection Limit	
	S Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1408F22

Date Reported: 9/2/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-2

Project: COP Huerfanito #97

Collection Date: 8/28/2014 4:45:00 PM

Lab ID: 1408F22-002

Matrix: SOIL

Received Date: 8/29/2014 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.035		mg/Kg	1	8/29/2014 11:51:05 AM	R20898
Toluene	ND	0.035		mg/Kg	1	8/29/2014 11:51:05 AM	R20898
Ethylbenzene	ND	0.035		mg/Kg	1	8/29/2014 11:51:05 AM	R20898
Xylenes, Total	ND	0.070		mg/Kg	1	8/29/2014 11:51:05 AM	R20898
Surr: 4-Bromofluorobenzene	103	80-120		%REC	1	8/29/2014 11:51:05 AM	R20898

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.
	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

Client Sample ID: SC-3

Project: COP Huerfanito #97

Collection Date: 8/28/2014 4:50:00 PM

Lab ID: 1408F22-003

Matrix: SOIL

Received Date: 8/29/2014 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	170	9.9		mg/Kg	1	8/29/2014 11:06:52 AM	15031
Surr: DNOP	84.8	57.9-140		%REC	1	8/29/2014 11:06:52 AM	15031
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	170	14		mg/Kg	5	8/29/2014 12:19:47 PM	R20898
Surr: BFB	326	80-120	S	%REC	5	8/29/2014 12:19:47 PM	R20898
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.070		mg/Kg	5	8/29/2014 12:19:47 PM	R20898
Toluene	0.21	0.14		mg/Kg	5	8/29/2014 12:19:47 PM	R20898
Ethylbenzene	0.41	0.14		mg/Kg	5	8/29/2014 12:19:47 PM	R20898
Xylenes, Total	6.9	0.28		mg/Kg	5	8/29/2014 12:19:47 PM	R20898
Surr: 4-Bromofluorobenzene	119	80-120		%REC	5	8/29/2014 12:19:47 PM	R20898

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.
	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

Client Sample ID: SC-5

Project: COP Huerfanito #97

Collection Date: 8/28/2014 5:00:00 PM

Lab ID: 1408F22-005

Matrix: SOIL

Received Date: 8/29/2014 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.058		mg/Kg	2	8/29/2014 1:17:06 PM	R20898
Toluene	ND	0.058		mg/Kg	2	8/29/2014 1:17:06 PM	R20898
Ethylbenzene	ND	0.058		mg/Kg	2	8/29/2014 1:17:06 PM	R20898
Xylenes, Total	0.89	0.12		mg/Kg	2	8/29/2014 1:17:06 PM	R20898
Surr: 4-Bromofluorobenzene	109	80-120		%REC	2	8/29/2014 1:17:06 PM	R20898

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.
	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

Client Sample ID: SC-6

Project: COP Huerfanito #97

Collection Date: 8/28/2014 5:05:00 PM

Lab ID: 1408F22-006

Matrix: SOIL

Received Date: 8/29/2014 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	67	9.9		mg/Kg	1	8/29/2014 11:30:39 AM	15031
Surr: DNOP	97.9	57.9-140		%REC	1	8/29/2014 11:30:39 AM	15031
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	60	14		mg/Kg	5	8/29/2014 1:45:47 PM	R20898
Surr: BFB	151	80-120	S	%REC	5	8/29/2014 1:45:47 PM	R20898
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.070		mg/Kg	5	8/29/2014 1:45:47 PM	R20898
Toluene	0.22	0.14		mg/Kg	5	8/29/2014 1:45:47 PM	R20898
Ethylbenzene	0.18	0.14		mg/Kg	5	8/29/2014 1:45:47 PM	R20898
Xylenes, Total	2.7	0.28		mg/Kg	5	8/29/2014 1:45:47 PM	R20898
Surr: 4-Bromofluorobenzene	110	80-120		%REC	5	8/29/2014 1:45:47 PM	R20898

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.
	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

Client Sample ID: SC-7

Project: COP Huerfanito #97

Collection Date: 8/28/2014 5:10:00 PM

Lab ID: 1408F22-007

Matrix: SOIL

Received Date: 8/29/2014 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.074		mg/Kg	5	8/29/2014 2:14:32 PM	R20898
Toluene	0.15	0.15		mg/Kg	5	8/29/2014 2:14:32 PM	R20898
Ethylbenzene	ND	0.15		mg/Kg	5	8/29/2014 2:14:32 PM	R20898
Xylenes, Total	1.2	0.30		mg/Kg	5	8/29/2014 2:14:32 PM	R20898
Surr: 4-Bromofluorobenzene	107	80-120		%REC	5	8/29/2014 2:14:32 PM	R20898

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.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Anima's Environmental

Client Sample ID: SC-8

Project: COP Huerfanito #97

Collection Date: 8/28/2014 5:15:00 PM

Lab ID: 1408F22-008

Matrix: SOIL

Received Date: 8/29/2014 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.071		mg/Kg	5	8/29/2014 2:43:11 PM	R20898
Toluene	ND	0.14		mg/Kg	5	8/29/2014 2:43:11 PM	R20898
Ethylbenzene	ND	0.14		mg/Kg	5	8/29/2014 2:43:11 PM	R20898
Xylenes, Total	ND	0.28		mg/Kg	5	8/29/2014 2:43:11 PM	R20898
Surr: 4-Bromofluorobenzene	103	80-120		%REC	5	8/29/2014 2:43:11 PM	R20898

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.
	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#: 1408F22

02-Sep-14

Client: Animas Environmental

Project: COP Huerfanito #97

Sample ID	MB-15031	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	15031	RunNo:	20880					
Prep Date:	8/29/2014	Analysis Date:	8/29/2014	SeqNo:	607914	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	9.3		10.00		92.7	57.9	140			

Sample ID	LCS-15031	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	15031	RunNo:	20880					
Prep Date:	8/29/2014	Analysis Date:	8/29/2014	SeqNo:	607922	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	93.9	68.6	130			
Surr: DNOP	4.4		5.000		87.8	57.9	140			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1408F22

02-Sep-14

Client: Animas Environmental

Project: COP Huerfanito #97

Sample ID MB-15023 MK	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: R20898	RunNo: 20898								
Prep Date:	Analysis Date: 8/29/2014	SeqNo: 608485	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-15023 MK	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: R20898	RunNo: 20898								
Prep Date:	Analysis Date: 8/29/2014	SeqNo: 608486	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	110	65.8	139			
Surr: BFB	1000		1000		102	80	120			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1408F22

02-Sep-14

Client: Animas Environmental

Project: COP Huerfanito #97

Sample ID	MB-15023 MK	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	R20898	RunNo:	20898					
Prep Date:		Analysis Date:	8/29/2014	SeqNo:	608502	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		99.7	80	120			

Sample ID	LCS-15023 MK	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	R20898	RunNo:	20898					
Prep Date:		Analysis Date:	8/29/2014	SeqNo:	608503	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	101	80	120			
Toluene	1.0	0.050	1.000	0	102	80	120			
Ethylbenzene	1.1	0.050	1.000	0	105	80	120			
Xylenes, Total	3.2	0.10	3.000	0	106	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		109	80	120			

Qualifiers:

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

Sample Log-In Check List

Client Name: Animas Environmental

Work Order Number: 1408F22

RcptNo: 1

Received by/date: MG 08/29/14

Logged By: Anne Thorne 8/29/2014 8:25:00 AM *Anne Thorne*

Completed By: Anne Thorne 8/29/2014 *Anne Thorne*

Reviewed By: EO 08/29/14

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? Yes No
(Note discrepancies on chain of custody)
- 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? Yes No
(If no, notify customer for authorization.)

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

Client: ANIMAS Environmental Services

Mailing Address: 624 E. Comanche
Farmington, NM 87401

Phone #: (505) 584-2281

email or Fax#:

QA/QC Package:
 Standard Level 4 (Full Validation)

Accreditation:
 NELAP Other _____

EDD (Type)

Turn-Around Time:
 Standard Rush same day

Project Name: COP Huertanito #97

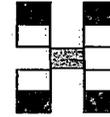
Project #:

Project Manager: E. Skyles

Sampler: S. Lynn

On Ice: Yes No

Sample Temperature: 10



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No	BTEX + MTBE + TPB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO/PRO/MPRO)	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)	
8/28/14	16:40	Soil	SC-1	MeOH 2x4oz	MeOH cold	1408 F22	-CO1	X											
8/28/14	16:45	Soil	SC-2	2x4oz			-CO2	X											
8/28/14	16:50	Soil	SC-3				-CO3	X	X										
8/28/14	16:55	Soil	SC-4				-CO4	X	X										
8/28/14	17:00	Soil	SC-5	2x4oz			-CO5	X											
8/28/14	17:05	Soil	SC-6				-CO6	X	X										
8/28/14	17:10	Soil	SC-7	2x4oz			-CO7	X											
8/28/14	17:15	Soil	SC-8	2x4oz			-CO8	X											
				MeOH 2x4oz															

Date: _____ Time: _____ Relinquished by: Stephanie Flynn

Date: _____ Time: _____ Received by: Michelle Garcia Date: 08/29/14 Time: 0825

Remarks: BTU to Conoco Phillips. Call if questions.

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 noted 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, 2014

Emilee Skyles
Animas Environmental
624 East Comanche
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: CoP Huerfanito #97

OrderNo.: 1408G09

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 5 sample(s) on 8/29/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data 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 in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-1

Project: CoP Huerfanito #97

Collection Date: 8/28/2014 4:40:00 PM

Lab ID: 1408G09-001

Matrix: SOIL

Received Date: 8/29/2014 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	16	10		mg/Kg	1	9/3/2014 7:43:14 PM	15080
Surr: DNOP	80.5	57.9-140		%REC	1	9/3/2014 7:43:14 PM	15080
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	14		mg/Kg	5	8/29/2014 11:22:25 AM	R20898
Surr: BFB	97.9	80-120		%REC	5	8/29/2014 11:22:25 AM	R20898

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	Page 1 of 8
	O RSD is greater than RSDlimit	P Sample pH greater than 2.	
	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

Client Sample ID: SC-5

Project: CoP Huerfanito #97

Collection Date: 8/28/2014 5:00:00 PM

Lab ID: 1408G09-003

Matrix: SOIL

Received Date: 8/29/2014 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/3/2014 8:26:02 PM	15080
Surr: DNOP	89.7	57.9-140		%REC	1	9/3/2014 8:26:02 PM	15080
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	20	5.8		mg/Kg	2	8/29/2014 1:17:06 PM	R20898
Surr: BFB	127	80-120	S	%REC	2	8/29/2014 1:17:06 PM	R20898

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.
	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 Huerfanito #97
Lab ID: 1408G09-004

Client Sample ID: SC-7
Collection Date: 8/28/2014 5:10:00 PM
Received Date: 8/29/2014 8:25:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	14	9.9		mg/Kg	1	9/3/2014 8:47:28 PM	15080
Surr: DNOP	114	57.9-140		%REC	1	9/3/2014 8:47:28 PM	15080
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	37	15		mg/Kg	5	8/29/2014 2:14:32 PM	R20898
Surr: BFB	117	80-120		%REC	5	8/29/2014 2:14:32 PM	R20898

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	Page 4 of 8
	O RSD is greater than RSDlimit	P Sample pH greater than 2.	
	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

Client Sample ID: SC-8

Project: CoP Huerfanito #97

Collection Date: 8/28/2014 5:15:00 PM

Lab ID: 1408G09-005

Matrix: SOIL

Received Date: 8/29/2014 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/3/2014 9:08:42 PM	15080
Surr: DNOP	94.7	57.9-140		%REC	1	9/3/2014 9:08:42 PM	15080
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	14		mg/Kg	5	8/29/2014 2:43:11 PM	R20898
Surr: BFB	95.1	80-120		%REC	5	8/29/2014 2:43:11 PM	R20898

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	Page 5 of 8
	O RSD is greater than RSDlimit	P Sample pH greater than 2.	
	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#: 1408G09

09-Sep-14

Client: Animas Environmental

Project: CoP Huerfanito #97

Sample ID	MB-15081	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	15081	RunNo:	20948					
Prep Date:	9/3/2014	Analysis Date:	9/3/2014	SeqNo:	610141	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.6		10.00		86.0	57.9	140			

Sample ID	LCS-15081	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	15081	RunNo:	20948					
Prep Date:	9/3/2014	Analysis Date:	9/3/2014	SeqNo:	610142	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.8		5.000		76.2	57.9	140			

Sample ID	MB-15053	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	15053	RunNo:	20950					
Prep Date:	9/2/2014	Analysis Date:	9/3/2014	SeqNo:	610293	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	7.2		10.00		71.9	57.9	140			

Sample ID	LCS-15053	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	15053	RunNo:	20950					
Prep Date:	9/2/2014	Analysis Date:	9/3/2014	SeqNo:	610294	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.9		5.000		78.6	57.9	140			

Sample ID	MB-15080	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	15080	RunNo:	20948					
Prep Date:	9/3/2014	Analysis Date:	9/3/2014	SeqNo:	610470	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	8.1		10.00		81.2	57.9	140			

Sample ID	LCS-15080	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	15080	RunNo:	20948					
Prep Date:	9/3/2014	Analysis Date:	9/3/2014	SeqNo:	610471	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	95.2	68.6	130			
Surr: DNOP	4.3		5.000		86.9	57.9	140			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1408G09

09-Sep-14

Client: Animas Environmental

Project: CoP Huerfanito #97

Sample ID	MB-15106	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	15106	RunNo:	20982					
Prep Date:	9/4/2014	Analysis Date:	9/4/2014	SeqNo:	610877	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.4		10.00		83.8	57.9	140			

Sample ID	LCS-15106	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	15106	RunNo:	20982					
Prep Date:	9/4/2014	Analysis Date:	9/4/2014	SeqNo:	610878	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.1		5.000		82.5	57.9	140			

Sample ID	MB-15134	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	15134	RunNo:	21011					
Prep Date:	9/5/2014	Analysis Date:	9/5/2014	SeqNo:	611900	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.2		10.00		81.6	57.9	140			

Sample ID	LCS-15134	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	15134	RunNo:	21011					
Prep Date:	9/5/2014	Analysis Date:	9/5/2014	SeqNo:	611901	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.9		5.000		79.0	57.9	140			

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. |
| 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#: 1408G09

09-Sep-14

Client: Animas Environmental

Project: CoP Huerfanito #97

Sample ID	MB-15023 MK	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	R20898	RunNo:	20898					
Prep Date:		Analysis Date:	8/29/2014	SeqNo:	608485	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-15023 MK	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	R20898	RunNo:	20898					
Prep Date:		Analysis Date:	8/29/2014	SeqNo:	608486	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	110	65.8	139			
Surr: BFB	1000		1000		102	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

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

Sample Log-In Check List

Client Name: **Animas Environmental**

Work Order Number: **1408G09**

RcptNo: **1**

Received by/date:	<i>mg</i>	08/29/2014	
Logged By:	Ashley Gallegos	8/29/2014 8:25:00 AM	<i>AG</i>
Completed By:	Ashley Gallegos	9/3/2014 2:35:38 PM	<i>AG</i>
Reviewed By:	<i>[Signature]</i>	09/03/14	

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			

Chain-of-Custody Record

Client: Amias Environmental Services

Mailing Address: 621 E. Comanche Farmington, NM 87401

Phone #: (505) 364-2281

email or Fax#:

QA/QC Package:
 Standard Level 4 (Full Validation)

Accreditation
 NELAP Other _____

EDD (Type) _____

Turn-Around Time:
 Standard Rush

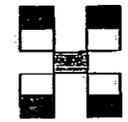
Project Name: COP Huerfano #97

Project #:

Project Manager: E. Skyles

Sampler: S. Lynn
 Office Yes No

Sample Temperature: 1.0



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO/DRO/AMRO) ^{Site}	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)	
2/28/14	16:40	soil	SC-1	1-4oz	cold	1408G-09 -001			X										
2/28/14	16:45	soil	SC-1 SC-2	↓	↓	-002			X										
3/28/14	17:00	soil	SC-5	↓	↓	-003			X										
8/28/14	17:10	soil	SC-7	↓	↓	-004			X										
2/28/14	17:15	soil	SC-8	↓	↓	-005			X										

Date: _____ Time: _____ Relinquished by: Debrae Lynn

Date: _____ Time: _____ Received by: Michelle Garcia Date: 02/29/14 Time: 0825

Remarks: Bill to Conoco Phillips
Call if questions.
Samples will be analyzed.
Job cancelled. See work # 1408F22

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.

ms 08/10



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

September 05, 2014

Emilee Skyles
Animas Environmental
624 East Comanche
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: CoP Huerfanito #97

OrderNo.: 1409140

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 2 sample(s) on 9/4/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data 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 white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-9

Project: CoP Huerfanito #97

Collection Date: 9/3/2014 2:10:00 PM

Lab ID: 1409140-001

Matrix: SOIL

Received Date: 9/4/2014 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/4/2014 10:41:23 AM	15106
Surr: DNOP	90.8	57.9-140		%REC	1	9/4/2014 10:41:23 AM	15106
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	6.9	2.9		mg/Kg	1	9/4/2014 10:42:30 AM	R20986
Surr: BFB	139	80-120	S	%REC	1	9/4/2014 10:42:30 AM	R20986
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.029		mg/Kg	1	9/4/2014 10:42:30 AM	R20986
Toluene	ND	0.029		mg/Kg	1	9/4/2014 10:42:30 AM	R20986
Ethylbenzene	0.034	0.029		mg/Kg	1	9/4/2014 10:42:30 AM	R20986
Xylenes, Total	ND	0.059		mg/Kg	1	9/4/2014 10:42:30 AM	R20986
Surr: 4-Bromofluorobenzene	121	80-120	S	%REC	1	9/4/2014 10:42:30 AM	R20986

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.
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 **Client Sample ID:** SC-10
Project: CoP Huerfanito #97 **Collection Date:** 9/3/2014 2:15:00 PM
Lab ID: 1409140-002 **Matrix:** SOIL **Received Date:** 9/4/2014 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/4/2014 11:13:09 AM	15106
Surr: DNOP	90.9	57.9-140		%REC	1	9/4/2014 11:13:09 AM	15106
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	2.8		mg/Kg	1	9/4/2014 11:12:36 AM	R20986
Surr: BFB	88.6	80-120		%REC	1	9/4/2014 11:12:36 AM	R20986
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.028		mg/Kg	1	9/4/2014 11:12:36 AM	R20986
Toluene	ND	0.028		mg/Kg	1	9/4/2014 11:12:36 AM	R20986
Ethylbenzene	ND	0.028		mg/Kg	1	9/4/2014 11:12:36 AM	R20986
Xylenes, Total	ND	0.056		mg/Kg	1	9/4/2014 11:12:36 AM	R20986
Surr: 4-Bromofluorobenzene	102	80-120		%REC	1	9/4/2014 11:12:36 AM	R20986

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.
	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#: 1409140

05-Sep-14

Client: Animas Environmental

Project: CoP Huerfanito #97

Sample ID	MB-15106	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	15106	RunNo:	20982					
Prep Date:	9/4/2014	Analysis Date:	9/4/2014	SeqNo:	610877	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	8.4		10.00		83.8	57.9	140			

Sample ID	LCS-15106	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	15106	RunNo:	20982					
Prep Date:	9/4/2014	Analysis Date:	9/4/2014	SeqNo:	610878	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	100	68.6	130			
Surr: DNOP	4.1		5.000		82.5	57.9	140			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1409140

05-Sep-14

Client: Animas Environmental

Project: CoP Huerfanito #97

Sample ID	MB-15090 MK	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	R20986	RunNo:	20986					
Prep Date:		Analysis Date:	9/4/2014	SeqNo:	611356	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	1000		1000		100	80	120			

Sample ID	LCS-15090 MK	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	R20986	RunNo:	20986					
Prep Date:		Analysis Date:	9/4/2014	SeqNo:	611357	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	95.6	65.8	139			
Surr: BFB	1100		1000		107	80	120			

Sample ID	MB-15090	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	15090	RunNo:	20986					
Prep Date:	9/3/2014	Analysis Date:	9/4/2014	SeqNo:	611358	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		100	80	120			

Sample ID	LCS-15090	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	15090	RunNo:	20986					
Prep Date:	9/3/2014	Analysis Date:	9/4/2014	SeqNo:	611359	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		107	80	120			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1409140

05-Sep-14

Client: Animas Environmental

Project: CoP Huerfanito #97

Sample ID	MB-15090 MK	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	R20986	RunNo:	20986					
Prep Date:		Analysis Date:	9/4/2014	SeqNo:	611373	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	1.2		1.000		118	80	120			

Sample ID	LCS-15090 MK	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	R20986	RunNo:	20986					
Prep Date:		Analysis Date:	9/4/2014	SeqNo:	611374	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.050	1.000	0	90.2	80	120			
Toluene	0.90	0.050	1.000	0	89.7	80	120			
Ethylbenzene	0.94	0.050	1.000	0	93.6	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.4	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		105	80	120			

Sample ID	MB-15090	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	15090	RunNo:	20986					
Prep Date:	9/3/2014	Analysis Date:	9/4/2014	SeqNo:	611384	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.2		1.000		118	80	120			

Sample ID	LCS-15090	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	15090	RunNo:	20986					
Prep Date:	9/3/2014	Analysis Date:	9/4/2014	SeqNo:	611385	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			

Qualifiers:

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

Sample Log-In Check List

Client Name: Anlmas Environmental

Work Order Number: 1409140

RcptNo: 1

Received by/date: AT 09/04/14

Logged By: Anne Thorne 9/4/2014 7:00:00 AM *Anne Thorne*

Completed By: Anne Thorne 9/4/2014 *Anne Thorne*

Reviewed By: *[Signature]* 09/04/14

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:

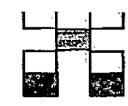
18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.1	Good	Yes			

Chain-of-Custody Record

Client: Animas Environmental Services
 Mailing Address: 604 W. Pinon 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 Same Day
 Project Name: COP Huerfano #97
 Project #:
 Project Manager: E. Skyles
 Sampler: C. Laweman
 On Ice: Yes No
 Sample Temperature: 2



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / TPH)	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)
9-3-14	1410	Soil	SC-9	Next Kit 4oz jar	Next Ice	1409140	X		X									
9-3-14	1415	Soil	SC-10	Next Kit 4oz jar	Next Ice	-C02	X		X									

Date: 9/3/14 Time: 1915 Relinquished by: [Signature]
 Date: 7/3/14 Time: 2024 Relinquished by: [Signature]

Received by: [Signature] Date: 9/3/14 Time: 1915
 Received by: [Signature] Date: 09/04/14 Time: 0700

Remarks: Bill to Conoco Phillips
NO # 20297842 USER: KC GARCIA
Act Code: DISO Ordered By: Jared Chavez
Supervisor: MIKE SMITH Area: 21

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.