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 **Huerfano Unit 206**	Facility Type **Natural Gas Well**

Surface Owner **Federal**	Mineral Owner **Federal**	API No. **30045206260000** **SF-078103-B**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	**26**	**26N**	**09W**	**1850'**	**South**	**1750'**	**East**	**San Juan**

Latitude 36.45686 Longitude -107.75525

NATURE OF RELEASE

Type of Release **Unknown**	Volume of Release **Unknown**	Volume Recovered **267 yds**
Source of Release **Below Grade Tank**	Date and Hour of Occurrence **Unknown**	Date and Hour of Discovery **06-14-2013**
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom? **N/A**	
By Whom?	Date and Hour	RCVD AUG 8 '13
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	OIL CONS. DIV. DIST. 3

If a Watercourse was Impacted, Describe Fully.*

N/A

Describe Cause of Problem and Remedial Action Taken.*

Below Grade Tank Closure Activities.

Describe Area Affected and Cleanup Action Taken.*

Historical impacted soil was found during the BGT closure for the subject well. The excavation was 24' x 25' x 12' in depth and 267 yds of contaminated soil was transported to IEI land farm and 267 yds of clean soil was backfilled in the excavation site. Analytical results were below the regulatory standards – no further action required. The soil sampling report is attached for review.

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

Signature:	OIL CONSERVATION DIVISION
Printed Name: **Lisa M. Hunter**	Approved by Environmental Specialist:
Title: **Field Environmental Specialist**	Approval Date: 8/19/2013 Expiration Date:
E-mail Address: **Lisa.Hunter@cop.com**	Conditions of Approval: Attached ☐
Date: **08-05-13** Phone: **505-326-9786**	

* Attach Additional Sheets If Necessary

nJK1323156685

30

Animas Environmental Services, LLC
www.animasenvironmental.com
624 E. Comanche
Farmington, NM 87401
505-564-2281
Durango, Colorado
970-403-3084

July 26, 2013

Lisa Hunter
ConocoPhillips
San Juan Business Unit
Office 214-4
5525 Hwy 64
Farmington, New Mexico 87401

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

RE: Below Grade Tank Closure and Final Excavation Report
Huerfano #206
San Juan County, New Mexico

Dear Ms. Hunter:

On June 14, 2013, Animas Environmental Services, LLC (AES) completed below grade tank (BGT) closure sampling and environmental clearance of the final excavation limits at the ConocoPhillips (CoP) Huerfano #206, located in San Juan County, New Mexico. The historical release was discovered during BGT closure sampling at the location.

1.0 Site Information

1.1 Location

Site Name – Huerfano #206
Legal Description - NW¼ SE¼, Section 26, T26N, R9W, San Juan County, New Mexico
Well Latitude/Longitude – N36.45700 and W107.75587, respectively
BGT/Release Latitude/Longitude - N36.45675 and W107.75579, respectively
Land Jurisdiction - Bureau of Land Management (BLM)
Figure 1 - Topographic Site Location Map
Figure 2 - Aerial Site Map, June 2013

1.2 NMOCD Ranking

Prior to site work, the New Mexico Oil Conservation Division (NMOCD) database was reviewed, and no records were found to assist in determining depth to groundwater. The New Mexico Office of the State Engineer (NMOSE) database was reviewed, and wells SJ00063 and SJ00064 were located approximately 725 feet east-southeast and 850 feet northeast of the location. Because these are shallow domestic wells and are

greater than 200 feet from the location, they did not affect the site ranking. However, measurements from these wells were used to help determine depth to groundwater at the site, and depth to groundwater was reported to be 234 feet below ground surface (bgs) in well SJ00063 and 215 feet bgs in well SJ00064. Additionally, Google Earth and the New Mexico Tech Petroleum Recovery Research Center online mapping tool (http://ford.nmt.edu/react/project.html) were accessed to aid in the identification of downgradient surface water.

Once on site, AES personnel further assessed the ranking using topographical interpretation, Global Positioning System (GPS) elevation readings, and visual reconnaissance. AES personnel concluded that depth to groundwater at the site was greater than 100 feet bgs. An ephemeral wash which drains to Blanco Wash is located approximately 800 feet southeast of the location. Based on this information, the location was assessed a ranking score of 10 per the NMOCD *Guidelines for Leaks, Spills, and Releases* (1993).

1.3 Assessments

AES was initially contacted by Freddie Martinez, CoP representative, on June 13, 2013, and on June 14, 2013, Deborah Watson and Stephanie Lynn of AES mobilized to the location. AES personnel initially collected six soil samples from below the BGT liner. Four samples were collected from the perimeter of the BGT footprint, one sample was collected from the center of the BGT footprint, and one sample was composited from the four perimeter samples and one center sample. Five additional composite samples were collected from the walls and base of an excavation initiated and completed while AES was onsite. The final excavation measured 24 feet by 25 feet by 10 to 12 feet in depth. Sample locations are presented on Figures 2 and 3.

2.0 Soil Sampling

On June 14, 2013, during BGT closure sampling, AES personnel conducted field screening and collected five soil samples (S-1 through S-5) and one 5-point composite (SC-1) from below the BGT. Soil samples were collected from approximately 0.5 feet below the former BGT for field screening of volatile organic compounds (VOCs) and total petroleum hydrocarbon (TPH). Soil sample SC-1 was field screened for VOCs and chloride and was submitted for confirmation laboratory analysis. Based on field TPH results, CoP contractors began excavating while AES was onsite, and five additional composite samples (SC-2 through SC-6) were collected from the walls and base of the final excavation. All soil samples were field screened for VOCs and TPH. Two composite samples (SC-1 and SC-6) were submitted for confirmation laboratory analysis.

2.1 Soil Field Screening

2.1.1 Volatile Organic Compounds

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

2.1.2 Total Petroleum Hydrocarbons

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

2.1.3 Chlorides

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

2.2 Laboratory Analyses

The soil samples (SC-1 and SC-6) collected for laboratory analysis were placed into new, clean, laboratory-supplied containers, which were then labeled, placed on ice, and logged onto sample chain of custody records. The samples were maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall), in Albuquerque, New Mexico. Soil samples were laboratory analyzed for:

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

Soil sample (SC-1) was also analyzed for:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per USEPA Method 8021B; and
- Chlorides per USEPA Method 300.0.

2.3 Soil Field and Laboratory Analytical Results

On June 14, 2013, BGT closure field screening readings for VOCs via OVM ranged from 0.6 ppm in S-1 to 622 ppm in S-4. Field TPH concentrations ranged from 123 mg/kg in S-1 to 23,500 mg/kg in S-5. The field chloride concentration in SC-1 was reported at 80 mg/kg.

Final excavation field screening results for VOCs via OVM ranged from 2.7 ppm in SC-6 up to 29.1 ppm in SC-4. Field TPH concentrations ranged from 64.5 mg/kg in SC-2 to 1,510 mg/kg in SC-6. Field screening VOC and TPH results are summarized in Table 1 and on Figures 2 and 3. The AES field screening reports are attached.

Table 1. Soil Field Screening VOCs, TPH, and Chloride Results
Huerfano #206 BGT Closure and Final Excavation Report
June 2013

Sample ID	*Date Sampled*	*Sample Depth (ft)*	*VOCs OVM Reading (ppm)*	*Field TPH (mg/kg)*	*Chloride (mg/kg)*
NMOCD Action Level			*--*/ 100***	*100*/ 1,000***	*250**
S-1	6/14/13	0.5	0.6	**123**	NA
S-2	6/14/13	0.5	0.7	**151**	NA
S-3	6/14/13	0.5	1.2	**>2,500**	NA
S-4	6/14/13	0.5	622	**>2,500**	NA
S-5	6/14/13	0.5	49.8	**23,500**	NA
SC-1	6/14/13	0.5	19.2	NA	80
SC-2	6/14/13	1 to 10	4.4	64.5	NA
SC-3	6/14/13	1 to 12	24.8	700	NA
SC-4	6/14/13	1 to 12	29.1	114	NA
SC-5	6/14/13	1 to 10	4.2	245	NA
SC-6	6/14/13	10 to 12	2.7	**1,510**	NA

NA – not analyzed
*Action levels determined by NMAC 19.15.17.13E
**Action levels determined by the NMOCD ranking score per *NMOCD Guidelines for Leaks, Spills, and Releases* (August 1993)

Laboratory analytical results for SC-1 (from below the former BGT) showed that benzene and total BTEX concentrations in SC-1 were less than 0.048 mg/kg and less than 0.24 mg/kg, respectively. The TPH concentration was less than 4.8 mg/kg GRO and 1,800 mg/kg DRO. The laboratory chloride concentration was reported at 150 mg/kg.

Laboratory analytical results for SC-6 (from the base of the final excavation) had TPH concentrations of less than 50 mg/kg GRO and 370 mg/kg DRO. Laboratory analytical results are summarized in Table 2 and included on Figures 2 and 3. Laboratory analytical reports are attached.

Table 2. Laboratory Analytical Results – Benzene, Total BTEX, TPH, and Chlorides
Huerfano #206 BGT Closure and Final Excavation Report
June 2013

Sample ID	*Date*	*Depth (ft)*	*Benzene (mg/kg)*	*Total BTEX (mg/kg)*	*TPH-GRO (mg/kg)*	*TPH-DRO (mg/kg)*	*Chlorides (mg/kg)*
NMOCD Action Level			***0.2*/ 10****	***50***	***100*/1,000****		***250****
SC-1	6/14/13	0.5	<0.048	<0.24	**<4.8**	**1,800**	150
SC-6	6/14/13	10 to 12	NA	NA	<50	370	NA

NA – not analyzed
*Action levels determined by NMAC 19.15.17.13E
**Action levels determined by the NMOCD ranking score per *NMOCD Guidelines for Leaks, Spills, and Releases* (August 1993)

3.0 Conclusions and Recommendations

NMOCD action levels for BGT closures are specified in New Mexico Administrative Code (NMAC) 19.15.17.13E. Field TPH concentrations exceeded the NMOCD action level of 100 mg/kg in each sample. Laboratory analytical results for TPH (as GRO/DRO) in SC-1 were reported above the NMOCD action level of 100 mg/kg with 1,800 mg/kg DRO. However, benzene and total BTEX concentrations in SC-1 were below the NMOCD action levels of 0.2 mg/kg and 50 mg/kg, respectively. Chloride concentrations were reported below the NMOCD action level of 250 mg/kg. Based on field and laboratory analytical results, a release was confirmed at the location.

On June 14, 2013, final clearance of the excavation area was completed. Field screening results of the excavation showed that concentrations of VOCs and TPH were below NMOCD action levels for each of the final four walls of the excavation (SC-2 through SC-5). The base of the excavation (SC-6) exceeded NMOCD action levels for field TPH with 1,510 mg/kg; however, laboratory analytical results for SC-6 showed TPH concentrations as GRO/DRO below the NMOCD action level of 1,000 mg/kg with 370 mg/kg DRO.

Based on excavation of petroleum hydrocarbon impacted soils, field screening, and laboratory analytical results for VOCs, benzene, total BTEX, TPH, and chlorides, no further work is recommended for the Huerfano #206.

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

Sincerely,

Landrea R. Cupps

Landrea Cupps
Environmental Scientist

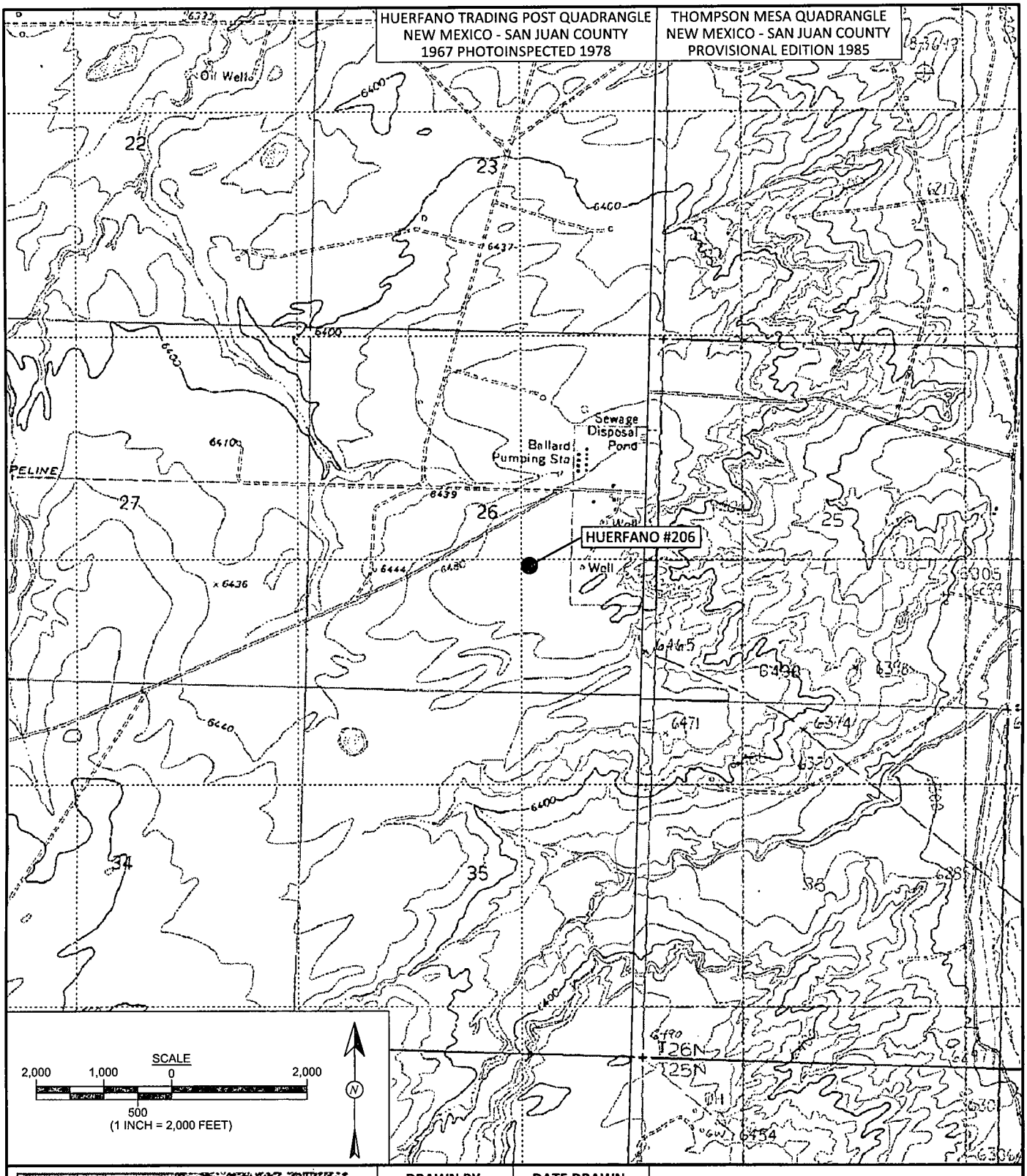
Elizabeth D McNally

Elizabeth McNally, P.E.

Attachments:

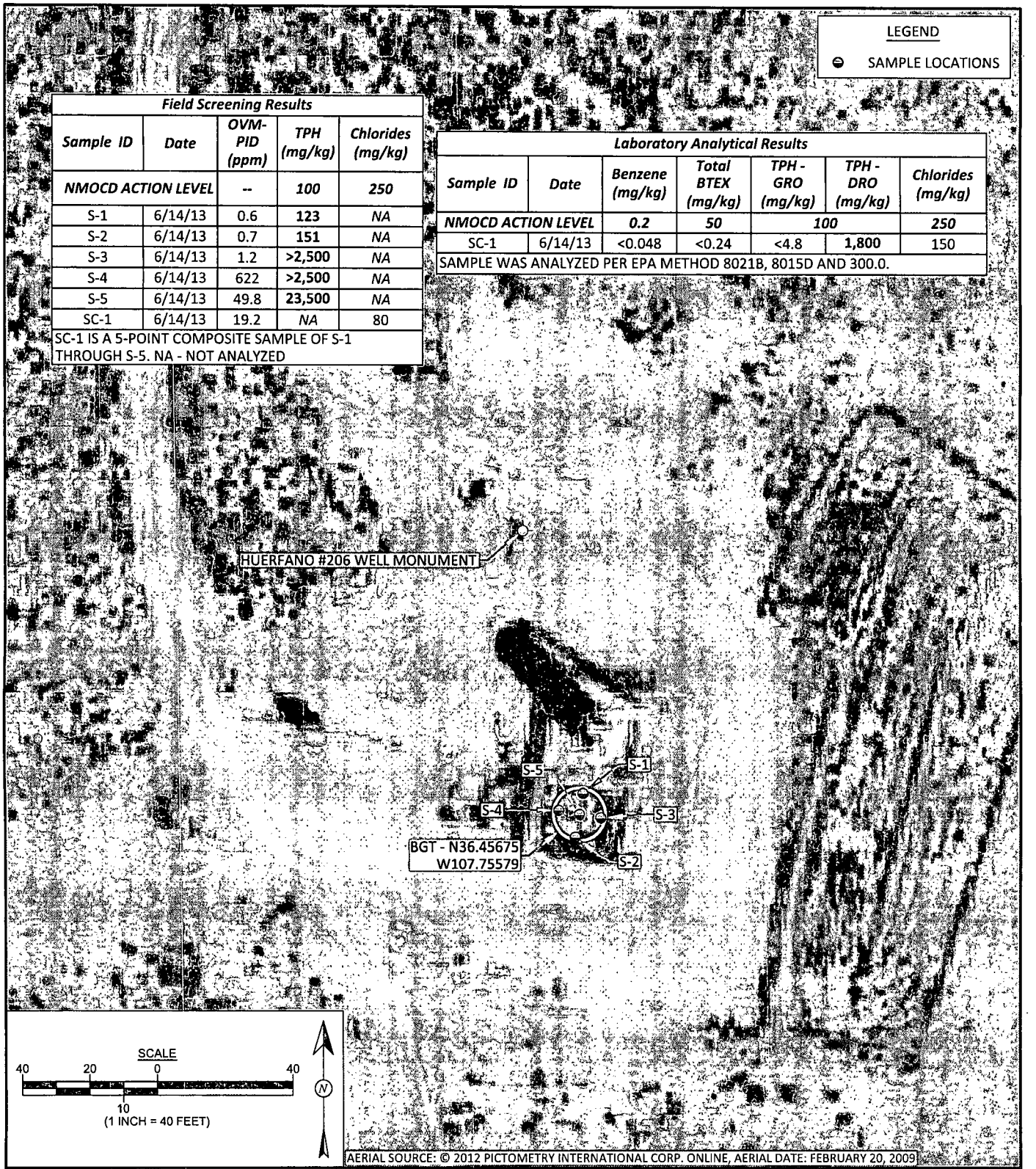
Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, June 2013
Figure 3. Final Excavation Sample Locations and Results, June 2013
AES Field Screening Report 061413
Hall Analytical Reports (1306634 and 1306636)

R:\Animas 2000\Dropbox\2013 Projects\ConocoPhillips\Huerfano #206\Huerfano #206 BGT Closure and Final Excavation Report 072613.docx



DRAWN BY: C. Lameman	**DATE DRAWN:** June 17, 2013	**FIGURE 1**
REVISIONS BY: C. Lameman	**DATE REVISED:** June 17, 2013	**TOPOGRAPHIC SITE LOCATION MAP** ConocoPhillips HUERFANO #206 NW¼ SE¼, SECTION 26, T26N, R9W SAN JUAN COUNTY, NEW MEXICO N36.45700, W107.75587
CHECKED BY: D. Watson	**DATE CHECKED:** June 17, 2013	
APPROVED BY: E. McNally	**DATE APPROVED:** June 17, 2013	

AES
Animas Environmental Services, LLC



Field Screening Results

Sample ID	Date	OVM-PID (ppm)	TPH (mg/kg)	Chlorides (mg/kg)
NMOCD ACTION LEVEL		--	100	250
S-1	6/14/13	0.6	123	NA
S-2	6/14/13	0.7	151	NA
S-3	6/14/13	1.2	>2,500	NA
S-4	6/14/13	622	>2,500	NA
S-5	6/14/13	49.8	23,500	NA
SC-1	6/14/13	19.2	NA	80

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

Laboratory Analytical Results

Sample ID	Date	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)	Chlorides (mg/kg)
NMOCD ACTION LEVEL		0.2	50	100		250
SC-1	6/14/13	<0.048	<0.24	<4.8	1,800	150

SAMPLE WAS ANALYZED PER EPA METHOD 8021B, 8015D AND 300.0.

Animas Environmental Services, LLC

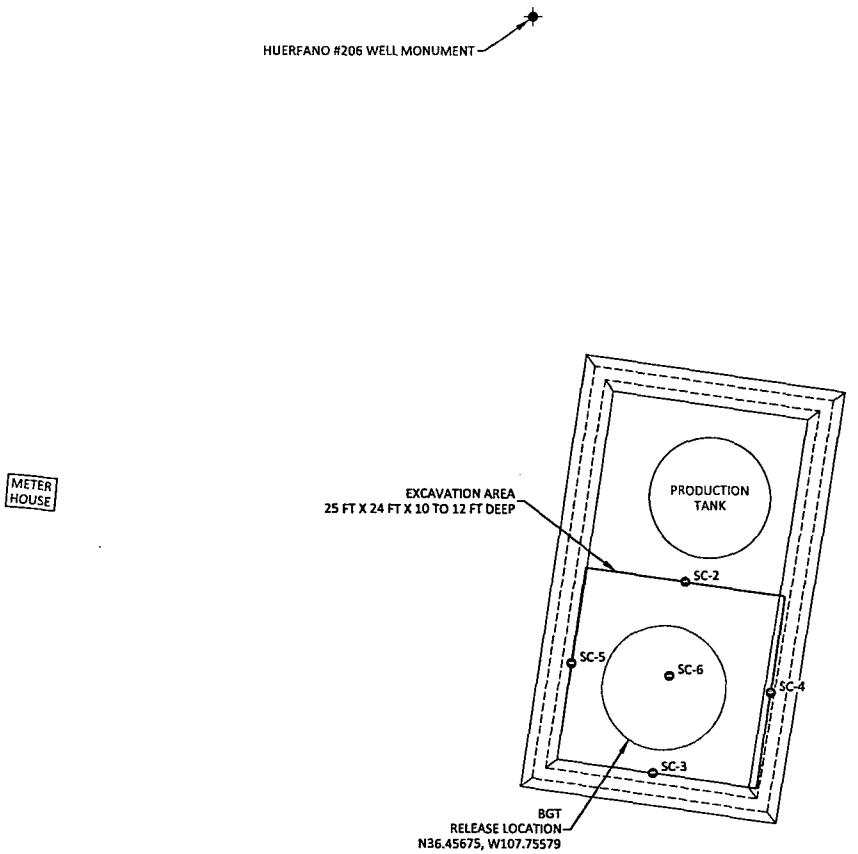
DRAWN BY: C. Lameman	DATE DRAWN: June 17, 2013
REVISIONS BY: C. Lameman	DATE REVISED: June 17, 2013
CHECKED BY: D. Watson	DATE CHECKED: June 17, 2013
APPROVED BY: E. McNally	DATE APPROVED: June 17, 2013

FIGURE 2

AERIAL SITE MAP
BELOW GRADE TANK CLOSURE
JUNE 2013
ConocoPhillips
HUERFANO #206
NW¼ SE¼, SECTION 26, T26N, R9W
SAN JUAN COUNTY, NEW MEXICO
N36.45700, W107.75587

FIGURE 3

FINAL EXCAVATION SAMPLE *LOCATIONS AND RESULTS*
JUNE 2013
ConocoPhillips
HUERFANO #206
NW¼ SE¼, SECTION 26, T26N, R9W
SAN JUAN COUNTY, NEW MEXICO
N36.45700, W107.75587



Field Screening Results				
Sample ID	*Date*	*Depth (ft)*	*OVM-PID (ppm)*	*TPH (mg/kg)*
NMOCD ACTION LEVEL			*100*	*1,000*
SC-2	6/14/13	1 to 10	4.4	64.5
SC-3	6/14/13	1 to 12	24.8	700
SC-4	6/14/13	1 to 12	29.1	114
SC-5	6/14/13	1 to 10	4.2	245
SC-6	6/14/13	10 to 12	2.7	1,510
ALL SAMPLES ARE COMPOSITE SAMPLES.				

Laboratory Analytical Results				
Sample ID	*Date*	*Depth (ft)*	*TPH - GRO (mg/kg)*	*TPH - DRO (mg/kg)*
NMOCD ACTION LEVEL			*1,000*	
SC-6	6/14/13	10 to 12	<50	370
SAMPLE WAS ANALYZED PER EPA METHOD 8015D.				

Animas Environmental Services, LLC

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

LEGEND

- SAMPLE LOCATIONS
- SECONDARY CONTAINMENT BERM

N

SCALE
15 9 0 15
3
(1 INCH = 15 FEET)

AES Field Screening Report

Animas Environmental Services, LLC
www.animasenvironmental.com
624 E. Comanche
Farmington, NM 87401
505-564-2281
Durango, Colorado
970-403-3084

Client: ConocoPhillips

Project Location: Huerfano #206

Date: 6/14/2013

Matrix: Soil

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	Field Chloride (mg/kg)	Field TPH Analysis Time	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
S-1	6/14/2013	7:45	North	0.6	NA	8:55	123	20.0	1	DAW
S-2	6/14/2013	7:48	South	0.7	NA	9:00	151	20.0	1	DAW
S-3	6/14/2013	7:50	East	1.2	NA	8:50	>2,500	20.0	1	DAW
S-4	6/14/2013	7:53	West	622	NA	8:41	>2,500	20.0	1	DAW
S-5	6/14/2013	7:55	Center	49.8	NA	8:49	23,500	200	10	DAW
SC-1	6/14/2013	8:00	Composite	19.2	80	*Not Analyzed for TPH.*				
SC-2	6/14/2013	12:34	North Wall	4.4	NA	12:50	64.5	20.0	1	DAW
SC-3	6/14/2013	11:20	South Wall	24.8	NA	11:34	700	20.0	1	DAW
SC-4	6/14/2013	11:21	East Wall	29.1	NA	11:37	114	20.0	1	DAW

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	Field Chloride (mg/kg)	Field TPH Analysis Time	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SC-5	6/14/2013	11:40	West Wall	4.2	NA	11:54	245	20.0	1	DAW
SC-6	6/14/2013	12:40	Base	2.7	NA	12:54	1,510	20.0	1	DAW

PQL Practical Quantitation Limit
ND Not Detected at the Reporting Limit
NA Not Analyzed
DF Dilution Factor
**Field TPH concentrations recorded may be below PQL.*

Field Chloride - Quantab Chloride Titrators or Drop Count Titration with Silver Nitrate
Total Petroleum Hydrocarbons - USEPA 418.1

Analyst: Deborah Watkins

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

June 19, 2013

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

RE: CoP Huerfano 206 OrderNo.: 1306634

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/15/2013 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 qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1306634**
Date Reported: **6/19/2013**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: CoP Huerfano 206
Lab ID: 1306634-001

Client Sample ID: SC-6
Collection Date: 6/14/2013 12:40:00 PM
Matrix: MEOH (SOIL) **Received Date:** 6/15/2013 11:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	370	10		mg/Kg	1	6/17/2013 9:30:09 AM	7941
Surr: DNOP	81.3	63-147		%REC	1	6/17/2013 9:30:09 AM	7941
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	50		mg/Kg	10	6/17/2013 11:23:56 AM	R11338
Surr: BFB	94.8	80-120		%REC	10	6/17/2013 11:23:56 AM	R11338

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#: **1306634**

19-Jun-13

Client: Animas Environmental

Project: CoP Huerfano 206

Sample ID **MB-7941**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **7941**	RunNo: **11331**
Prep Date: **6/17/2013**	Analysis Date: **6/17/2013**	SeqNo: **320251** 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		89.7	63	147			

Sample ID **LCS-7941**	SampType: **LCS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **7941**	RunNo: **11331**
Prep Date: **6/17/2013**	Analysis Date: **6/17/2013**	SeqNo: **320252** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	10	50.00	0	79.1	77.1	128			
Surr: DNOP	4.3		5.000		85.5	63	147			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1306634**

19-Jun-13

Client: Animas Environmental

Project: CoP Huerfano 206

Sample ID **MB-7932**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **R11338**	RunNo: **11338**
Prep Date: **6/14/2013**	Analysis Date: **6/17/2013**	SeqNo: **320861** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	950		1000		94.7	80	120			

Sample ID **LCS-7932**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **R11338**	RunNo: **11338**
Prep Date: **6/14/2013**	Analysis Date: **6/17/2013**	SeqNo: **320862** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	102	62.6	136			
Surr: BFB	1000		1000		103	80	120			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1306634 RcptNo: 1

Received by/date: AT 06/15/13

Logged By: **Lindsay Mangin** 6/15/2013 11:40:00 AM

Completed By: **Lindsay Mangin** 6/17/2013 5:20:38 AM

Reviewed By: 06/17/13

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

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 same day

Project Name: CoP Huerfano 206

Project #:

Project Manager: D Watson

Sampler: S. Lynn

On Ice: ☒ Yes ☐ No

Sample Temperature: N/A

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1306134	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / ~~MRO~~)	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)
6-14-13	1240	Soil	SC-6	~~Wall Kit~~ 1-4oz	~~Wall Kit~~ —	-001			X								

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Date	Time
6/14/13	1545	Stephanie Flynn	Christine Walters	6/14/13	1545
6/14/13	1700	Christine Walters		06/15/13	714

Remarks: Bill to ConocoPhillips

WO: 10342528
Activity code: C200
Area: 21
Supervisor: Carlos Rey
User ID: Benale
Work Ordered By: Freddy Martinez

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

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

June 28, 2013

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

RE: CoP Huerfano #206 OrderNo.: 1306636

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/15/2013 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued June 24, 2013.

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. 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. All samples are reported as received unless otherwise indicated.

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1306636**
Date Reported: **6/28/2013**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: CoP Huerfano #206
Lab ID: 1306636-001 **Matrix:** SOIL

Client Sample ID: SC-1
Collection Date: 6/14/2013 8:00:00 AM
Received Date: 6/15/2013 11:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	1800	100		mg/Kg	10	6/20/2013 3:53:45 AM	7941
Surr: DNOP	0	63-147	S	%REC	10	6/20/2013 3:53:45 AM	7941
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/19/2013 2:15:52 AM	7950
Surr: BFB	122	80-120	S	%REC	1	6/19/2013 2:15:52 AM	7950
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.048		mg/Kg	1	6/19/2013 2:15:52 AM	7950
Toluene	ND	0.048		mg/Kg	1	6/19/2013 2:15:52 AM	7950
Ethylbenzene	ND	0.048		mg/Kg	1	6/19/2013 2:15:52 AM	7950
Xylenes, Total	ND	0.097		mg/Kg	1	6/19/2013 2:15:52 AM	7950
Surr: 4-Bromofluorobenzene	106	80-120		%REC	1	6/19/2013 2:15:52 AM	7950
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Chloride	150	7.5		mg/Kg	5	6/18/2013 10:03:28 PM	7979

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#: **1306636**

28-Jun-13

Client: Animas Environmental

Project: CoP Huerfano #206

Sample ID	**MB-7979**	SampType: **MBLK**			TestCode: **EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID: **7979**			RunNo: **11394**					
Prep Date:	**6/18/2013**	Analysis Date: **6/18/2013**			SeqNo: **322091**		Units: **mg/Kg**			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								

Sample ID	**LCS-7979**	SampType: **LCS**			TestCode: **EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID: **7979**			RunNo: **11394**					
Prep Date:	**6/18/2013**	Analysis Date: **6/18/2013**			SeqNo: **322092**		Units: **mg/Kg**			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	96.0	90	110			

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#: **1306636**

28-Jun-13

Client: Animas Environmental

Project: CoP Huerfano #206

Sample ID **MB-7941**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **7941**	RunNo: **11331**
Prep Date: **6/17/2013**	Analysis Date: **6/17/2013**	SeqNo: **320251** 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		89.7	63	147			

Sample ID **LCS-7941**	SampType: **LCS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **7941**	RunNo: **11331**
Prep Date: **6/17/2013**	Analysis Date: **6/17/2013**	SeqNo: **320252** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	10	50.00	0	79.1	77.1	128			
Surr: DNOP	4.3		5.000		85.5	63	147			

Sample ID **1306606-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **BatchQC**	Batch ID: **7941**	RunNo: **11393**
Prep Date: **6/17/2013**	Analysis Date: **6/20/2013**	SeqNo: **322846** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	28	10	50.00	0	55.7	61.3	138			S
Surr: DNOP	1.8		5.000		36.3	63	147			S

Sample ID **1306606-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **BatchQC**	Batch ID: **7941**	RunNo: **11393**
Prep Date: **6/17/2013**	Analysis Date: **6/20/2013**	SeqNo: **322848** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.15	0	85.7	61.3	138	42.6	20	R
Surr: DNOP	1.5		5.015		30.6	63	147	0	0	S

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#: **1306636**

28-Jun-13

Client: Animas Environmental

Project: CoP Huerfano #206

Sample ID **MB-7950**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **7950**	RunNo: **11374**
Prep Date: **6/17/2013**	Analysis Date: **6/18/2013**	SeqNo: **321775** 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	960		1000		95.8	80	120			

Sample ID **LCS-7950**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **7950**	RunNo: **11374**
Prep Date: **6/17/2013**	Analysis Date: **6/18/2013**	SeqNo: **321782** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	62.6	136			
Surr: BFB	1000		1000		103	80	120			

Sample ID **1306528-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BatchQC**	Batch ID: **7950**	RunNo: **11374**
Prep Date: **6/17/2013**	Analysis Date: **6/18/2013**	SeqNo: **321786** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	4.8	24.11	0	114	76	156			
Surr: BFB	1000		964.3		106	80	120			

Sample ID **1306528-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BatchQC**	Batch ID: **7950**	RunNo: **11374**
Prep Date: **6/17/2013**	Analysis Date: **6/18/2013**	SeqNo: **321787** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	4.8	24.11	0	121	76	156	6.13	17.7	
Surr: BFB	1000		964.3		107	80	120	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1306636**

28-Jun-13

Client: Animas Environmental

Project: CoP Huerfano #206

Sample ID **MB-7950**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **7950**	RunNo: **11374**
Prep Date: **6/17/2013**	Analysis Date: **6/18/2013**	SeqNo: **321840** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			

Sample ID **LCS-7950**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **7950**	RunNo: **11374**
Prep Date: **6/17/2013**	Analysis Date: **6/18/2013**	SeqNo: **321844** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	1.000	0	109	80	120			
Toluene	1.1	0.050	1.000	0	108	80	120			
Ethylbenzene	1.1	0.050	1.000	0	107	80	120			
Xylenes, Total	3.3	0.10	3.000	0	109	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			

Sample ID **1306605-001AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BatchQC**	Batch ID: **7950**	RunNo: **11425**
Prep Date: **6/17/2013**	Analysis Date: **6/19/2013**	SeqNo: **323060** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.24	0.9407	0.07302	110	67.3	145			
Toluene	3.2	0.24	0.9407	1.422	188	66.8	144			S
Ethylbenzene	3.9	0.24	0.9407	1.982	209	61.9	153			S
Xylenes, Total	14	0.47	2.822	7.154	228	65.8	149			S
Surr: 4-Bromofluorobenzene	5.5		4.704		117	80	120			

Sample ID **1306605-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BatchQC**	Batch ID: **7950**	RunNo: **11425**
Prep Date: **6/17/2013**	Analysis Date: **6/19/2013**	SeqNo: **323061** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.23	0.9398	0.07302	106	67.3	145	3.75	20	
Toluene	3.2	0.23	0.9398	1.422	185	66.8	144	0.958	20	S
Ethylbenzene	4.0	0.23	0.9398	1.982	216	61.9	153	1.75	20	S
Xylenes, Total	14	0.47	2.820	7.154	238	65.8	149	2.02	20	S
Surr: 4-Bromofluorobenzene	5.7		4.699		120	80	120	0	0	S

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1306636 RcptNo: 1

Received by/date: AT 06/15/13

Logged By: **Lindsay Mangin** 6/15/2013 11:40:00 AM

Completed By: **Lindsay Mangin** 6/17/2013 5:42:51 AM

Reviewed By: 06/17/13

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

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 Huerfano #206

Project #:

Project Manager:
Debbie Watson

Sampler: Stephanie Lynn

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.0

HEAL No. 1306136

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/[redacted])	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals → 300.0	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)
6/14/13	800	soil	SC-1	1-4oz	non	-001			X	X				X								

Date: 6/14/13 Time: 1545 Relinquished by: Stephanie Lynn
Received by: Christine Walters Date: 6/14/13 Time: 1545

Date: 6/14/13 Time: 1700 Relinquished by: Christine Walters
Received by: Date: 6/15/13 Time: 1140

Remarks: Bill to ConocoPhillips
WO: 10342528 Supervisor: Carlos Rey
Activity code: C200 User ID: Benale
Area: 21 Work Ordered by: Freddy Martinez

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

Analysis Request

Hunter, Lisa

From: Tafoya, Crystal
Sent: Monday, June 17, 2013 12:56 PM
To: GRP:SJBU Projects Team
Cc: Tafoya, Crystal; Hunter, Lisa
Subject: Huerfano 206 BGT Backfill Approved

Good Afternoon,

HSE approves the back fill of the Huerfano 206 BGT area based on lab results.

Please contact me if you have any questions.

Thank you,

Crystal Tafoya
505-215-4361

Analytical Report
Lab Order **1306634**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Client Sample ID: SC-6
Project: CoP Huerfano 206
Collection Date: 6/14/2013 12:40:00 PM
Lab ID: 1306634-001
Matrix: MEOH (SOIL)
Received Date: 6/15/2013 11:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	370	10		mg/Kg	1	6/17/2013 9:30:09 AM
Surr: DNOP	81.3	63-147		%REC	1	6/17/2013 9:30:09 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	50		mg/Kg	10	6/17/2013 11:23:56 AM
Surr: BFB	94.8	80-120		%REC	10	6/17/2013 11:23:56 AM

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

Qualifiers:

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

Hunter, Lisa

From: Deborah Watson <dywatson@animasenvironmental.com>
Sent: Monday, June 17, 2013 10:35 AM
To: SJBU E-Team; Tafoya, Crystal; Hunter, Lisa
Subject: [EXTERNAL]Field results Huerfano #206

Field results (06/14/13) for the BGT closure are as follows:

Sample ID	OVM (ppm)	TPH (mg/kg)	Chlorides (mg/kg)
S-1	0.6	123	---------
S-2	0.7	151	---------
S-3	1.2	>2,500	---------
S-4	62.2	>2,500	---------
S-5	49.8	23,500	---------
SC-1	19.2	----------	80

Field results (06/14/13) for the excavation are as follows:

Sample ID	Location	OVM (ppm)	TPH (mg/kg)
SC-2	North Wall	4.4	64.5
SC-3	South Wall	24.8	700
SC-4	East Wall	29.1	114
SC-5	West Wall	4.2	245
SC-6	Base	2.7	1512

Sample SC-6 was submitted for TPH (8015). Preliminary results should be available today either late morning or early afternoon.

Site rank is 10.

Thank you,

Debbie

Deborah Watson

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