

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Burlington Resources Oil & Gas Company	Contact Crystal Tafoya
Address 3401 East 30th St, Farmington, NM	Telephone No. (505) 326-9837
Facility Name: Allison Unit 71	Facility Type: Gas Well

Surface Owner Fee	Mineral Owner Fee	API No. 30-045-29949
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LOCATION OF RELEASE

Unit Letter K	Section 24	Township 32N	Range 7W	Feet from the 1680	North/South Line South	Feet from the 1750	East/West Line West	County San Juan
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Latitude 36.96310 Longitude 107.520817

NATURE OF RELEASE


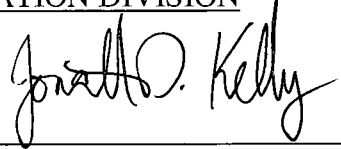
Type of Release Produced Fluids	Volume of Release Unknown	Volume Recovered None
Source of Release Below Grade Tank	Date and Hour of Occurrence Unknown	Date and Hour of Discovery September 21, 2012
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? RCVD JAN 25 '13	
By Whom?	Date and Hour	OIL CON. DIV.
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. DIST. 3	

If a Watercourse was Impacted, Describe Fully.*

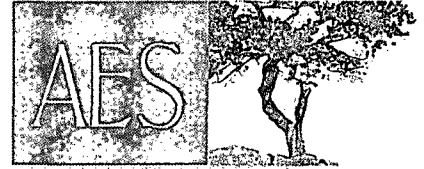
Describe Cause of Problem and Remedial Action Taken.*
Below Grade Tank Closure Activities

Describe Area Affected and Cleanup Action Taken.*
The regulatory standard for closure at this site was determined to be 1000 ppm. A sample was taken and then transported to the lab and analytical results for TPH, BTEX and Chlorides were below the regulatory standards set forth in the NMOCD Guidelines for Remediation of Leaks, Spills and Release; therefore no further action is required. The final report is attached for your 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: Crystal Tafoya	Approved by Environmental Specialist: 	
Title: Field Environmental Specialist	Approval Date: 1/29/2013	Expiration Date:
E-mail Address: crystal.tafoya@conocophillips.com	Conditions of Approval: C-144 Closure	Attached <input type="checkbox"/>
Date: 1/24/2013 Phone: (505) 326-9837	Permit needed for Bt Closure nJK 13029 55928	

* Attach Additional Sheets If Necessary



Animas Environmental Services, LLC

www.animasenvironmental.com

December 7, 2012

Crystal Tafoya
ConocoPhillips
San Juan Business Unit
Office 214-05
5525 Hwy 64
Farmington, New Mexico 87401

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

Durango, Colorado
970-403-3274

**RE: Below Grade Tank Closure and Release Report
Allison #71
San Juan County, New Mexico**

Dear Ms. Tafoya:

Animas Environmental Services, LLC (AES) is pleased to provide the final report associated with the below grade tank (BGT) closure and release confirmation at ConocoPhillips (CoP) Allison #71, located in San Juan County, New Mexico. Tank removal was completed by CoP contractors prior to AES arrival on site.

1.0 Site Information

1.1 Location

Site Name – Allison #71

Legal Description - NE¼ SW¼, Section 24, T32N, R7W, San Juan County, New Mexico

Well Latitude/Longitude – N36.96314 and W107.52142, respectively

BGT Latitude/Longitude - N36.96334 and W107.52162, respectively

Land Jurisdiction - Private

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, September 2012

1.2 NMOCD Ranking

Prior to site work, the New Mexico Oil Conservation Division (NMOCD) database was reviewed, and a C-144 form dated August 2011 for the Allison #71 well reported the depth to groundwater as greater than 100 feet below ground surface (bgs). The New Mexico Office of the State Engineer (NMOSE) database was reviewed for nearby water wells, and no registered water wells were reported to be located within 1,000 feet of the location. 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, and the nearest surface waters were an ephemeral drainage located approximately 800 feet southwest and a stock pond located approximately 1,200 feet northwest of the BGT location. Based on this information, the location was assessed a ranking score of 10.

1.3 BGT Closure Assessment

AES was initially contacted by Bruce Yazzie, CoP representative, on September 21, 2012, and on September 24, 2012, Deborah Watson and Corwin Lameman of AES completed an assessment at the location.

AES personnel collected five soil samples (S-1 through S-5) from the below the BGT liner. Four samples were collected from the perimeter of the BGT footprint, and one sample was collected from the center of the BGT footprint. A 5-point composite sample (SC-1) of the BGT footprint was collected for confirmation laboratory analysis.

2.0 Soil Sampling

On September 24, 2012, 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 S-1 through S-5 were collected from approximately 0.5 feet below the former BGT for field screening of volatile organic compounds (VOCs) and total petroleum hydrocarbons (TPH). Soil sample SC-1 was field screened for chlorides and submitted for confirmation laboratory analysis. Soil sample locations are included on Figure 2.

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

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per U.S. Environmental Protection Agency (USEPA) Method 8021B;
- Chloride per USEPA Method 300.0.

2.3 Field and Laboratory Analytical Results

Field screening for VOCs via OVM showed readings ranging from 0.5 ppm in SC-1 up to 1.7 ppm in S-4. Field TPH concentrations ranged from 38.1 mg/kg in S-4 up to 51.4 mg/kg in S-1. The field chloride concentration in SC-1 was 120 mg/kg. Field screening results are summarized in Table 1 and presented on Figure 2. The AES Field Screening Report is attached.

Table 1. Soil Field Screening VOCs, TPH, and Chloride Results
Allison #71 BGT Closure, September 2012

<i>Sample ID</i>	<i>Date Sampled</i>	<i>Depth below BGT (ft)</i>	<i>VOCs OVM Reading (ppm)</i>	<i>Field TPH (mg/kg)</i>	<i>Field Chlorides (mg/kg)</i>
NMOCD Action Level (NMAC 19.15.17.13E)			--	100	250
S-1	09/24/12	0.5	1.0	51.4	NA
S-2	09/24/12	0.5	0.9	43.4	NA
S-3	09/24/12	0.5	0.6	48.8	NA
S-4	09/24/12	0.5	1.7	38.1	NA
S-5	09/24/12	0.5	1.5	50.1	NA
SC-1	09/24/12	0.5	0.5	NA	120

NA - not analyzed

Laboratory analytical results showed that the benzene and total BTEX concentrations in SC-1 were below the laboratory detection limits of 0.050 mg/kg and 0.25 mg/kg, respectively. The laboratory chloride concentration was 98 mg/kg. Laboratory analytical results are summarized in Table 2 and included on Figure 2. Laboratory analytical reports are attached.

Table 2. Soil Laboratory Analytical Results
Allison #71 BGT Closure, September 2012

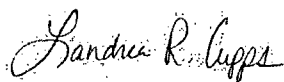
<i>Sample ID</i>	<i>Date Sampled</i>	<i>Depth (ft)</i>	<i>Benzene (mg/kg)</i>	<i>BTEX (mg/kg)</i>	<i>Chlorides (mg/kg)</i>
NMOCD Action Level (NMAC 19.15.17.13E)			0.2	50	250
SC-1	09/24/12	0.5	<0.050	<0.25	98

3.0 Conclusions and Recommendations

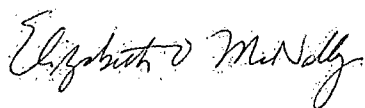
NMOCD action levels for BGT closures are specified in New Mexico Administrative Code (NMAC) 19.15.17.13E. Benzene and total BTEX concentrations in SC-1 were below the NMOCD action levels of 0.2 mg/kg and 50 mg/kg, respectively. Field TPH concentrations were below the NMOCD action level of 100 mg/kg in each sample (S-1 through S-5), and the chloride concentration in SC-1 was below the NMOCD action level of 250 mg/kg. Based on field screening and laboratory analytical results for benzene, BTEX, TPH, and chlorides, no further work is recommended.

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

Sincerely,



Landrea Cupps
Environmental Scientist

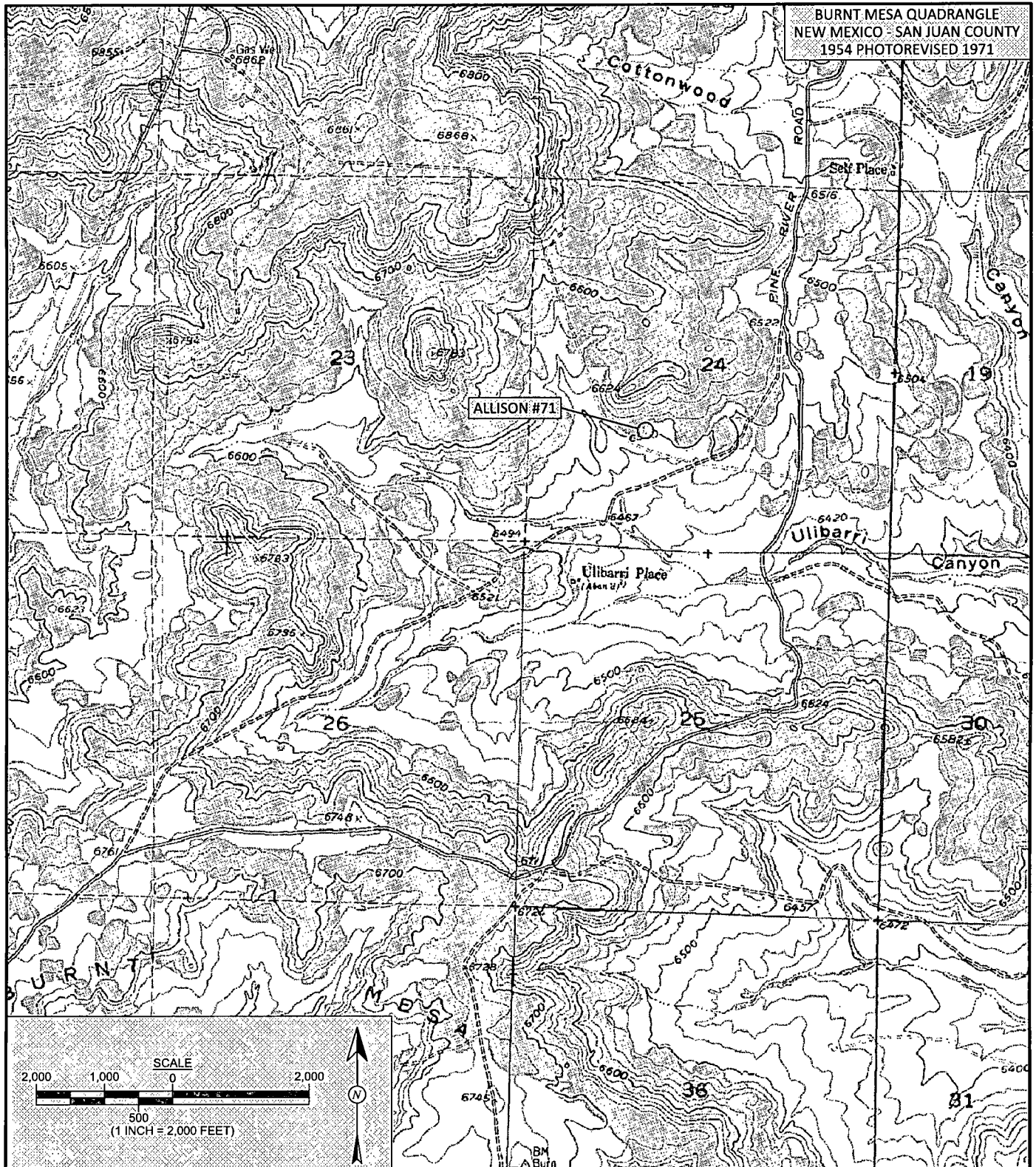


Elizabeth McNally, P.E.

Attachments:

- Figure 1. Topographic Site Location Map
- Figure 2. Aerial Site Map, September 2012
- AES Field Screening Report 092412
- Hall Analytical Report 1209A82

C:\Dropbox\2012 December 2012 (Former Trial File)\ConocoPhillips\Allison #71\Allison #71 BGT Closure Report 120712.docx



Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: October 5, 2012
REVISIONS BY: C. Lameman	DATE REVISED: October 5, 2012
CHECKED BY: D. Watson	DATE CHECKED: October 5, 2012
APPROVED BY: E. McNally	DATE APPROVED: October 5, 2012

FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP
ConocoPhillips
ALLISON #71
SAN JUAN COUNTY, NEW MEXICO
NE¼ SW¼, SECTION 24, T32N, R7W
N36.96314, W107.52142

LEGEND

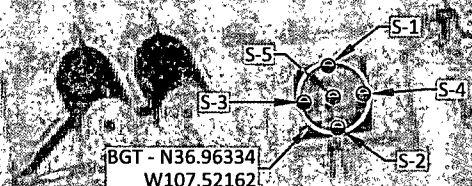
● SAMPLE LOCATIONS

Field Screening Results

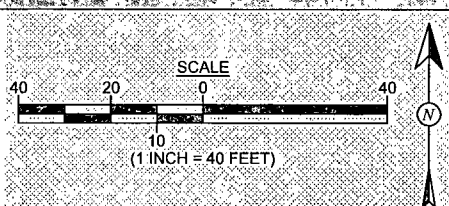
Sample ID	Date	OVM-PID (ppm)	TPH (mg/kg)	Chlorides (mg/kg)
NMOCD ACTION LEVEL		—	100	250
S-1	9/24/12	1.0	51.4	NA
S-2	9/24/12	0.9	43.4	NA
S-3	9/24/12	0.6	48.8	NA
S-4	9/24/12	1.7	38.1	NA
S-5	9/24/12	1.5	50.1	NA
SC-1	9/24/12	0.5	NA	120
SC-1 IS A 5-POINT COMPOSITE SAMPLE OF S-1 THROUGH S-5. NA - NOT ANALYZED				

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	9/24/12	<0.050	<0.25	NA	NA	98
SAMPLE WAS ANALYZED PER EPA METHOD 8021B AND 300.0.						



ALLISON #71 WELL MONUMENT



AERIAL SOURCE: © 2012 PICTOMETRY INTERNATIONAL CORP. ONLINE, AERIAL TAKEN: APRIL 2, 2009

FIGURE 2

**AERIAL SITE MAP
BELOW GRADE TANK CLOSURE
SEPTEMBER 2012**

ConocoPhillips
ALLISON #71

SAN JUAN COUNTY, NEW MEXICO
NE¼ SW¼, SECTION 24, T32N, R7W
N36.96314, W107.52142

DRAWN BY:

C. Lameman

DATE DRAWN:

October 5, 2012

REVISIONS BY:

C. Lameman

DATE REVISED:

October 5, 2012

CHECKED BY:

D. Watson

DATE CHECKED:

October 5, 2012

APPROVED BY:

E. McNally

DATE APPROVED:

October 5, 2012



Animas Environmental Services, LLC

AES Field Screening Report



Animas Environmental Services, LLC

www.animasenvironmental.com

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

Durango, Colorado
970-403-3274

Client: ConocoPhillips

Project Location: Allison #71

Date: 9/24/2012

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	9/24/2012	12:45	North	1.0	NA	13:33	51.4	20.0	1	DAW
S-2	9/24/2012	12:50	South	0.9	NA	13:35	43.4	20.0	1	DAW
S-3	9/24/2012	12:55	West	0.6	NA	13:38	48.8	20.0	1	DAW
S-4	9/24/2012	13:00	East	1.7	NA	13:41	38.1	20.0	1	DAW
S-5	9/24/2012	13:05	Center	1.5	NA	13:43	50.1	20.0	1	DAW
SC-1	9/24/2012	13:10	Composite	0.5	120	Not Analyzed for Field TPH				

PQL Practical Quantitation Limit

ND Not Detected at the Reporting Limit

DF Dilution Factor

NA Not Analyzed

*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:

Debrah Wata



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

October 01, 2012

Debbie Watson

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

RE: COP Allison #71

OrderNo.: 1209A82

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 9/25/2012 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. 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. 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,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1209A82

Date Reported: 10/1/2012

CLIENT: Animas Environmental Services

Client Sample ID: SC-1

Project: COP Allison #71

Collection Date: 9/24/2012 1:10:00 PM

Lab ID: 1209A82-001

Matrix: MEOH (SOIL)

Received Date: 9/25/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	9/25/2012 12:19:52 PM
Toluene	ND	0.050		mg/Kg	1	9/25/2012 12:19:52 PM
Ethylbenzene	ND	0.050		mg/Kg	1	9/25/2012 12:19:52 PM
Xylenes, Total	ND	0.10		mg/Kg	1	9/25/2012 12:19:52 PM
Surr: 4-Bromofluorobenzene	98.0	80-120		%REC	1	9/25/2012 12:19:52 PM
EPA METHOD 300.0: ANIONS						Analyst: SRM
Chloride	98	30		mg/Kg	20	9/25/2012 12:15:18 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1209A82

01-Oct-12

Client: Animas Environmental Services

Project: COP Allison #71

Sample ID	1209A85-001BMS	SampType:	MS	TestCode:	EPA Method 300.0: Anions						
Client ID:	BatchQC	Batch ID:	3913	RunNo:	5775						
Prep Date:	9/25/2012	Analysis Date:	9/25/2012	SeqNo:	165984	Units:	mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride	ND	30	15.00	19.09	67.6	64.4	117				

Sample ID	1209A85-001BMSD	SampType:	MSD	TestCode:	EPA Method 300.0: Anions						
Client ID:	BatchQC	Batch ID:	3913	RunNo:	5775						
Prep Date:	9/25/2012	Analysis Date:	9/25/2012	SeqNo:	165985	Units:	mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride	ND	30	15.00	19.09	37.2	64.4	117	0	20	S	

Sample ID	1209615-050AMS	SampType:	MS	TestCode:	EPA Method 300.0: Anions						
Client ID:	BatchQC	Batch ID:	3913	RunNo:	5775						
Prep Date:	9/25/2012	Analysis Date:	9/25/2012	SeqNo:	165987	Units:	mg/Kg-dry				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride	79	9.2	18.36	67.90	60.6	64.4	117			S	

Sample ID	1209615-050AMSD	SampType:	MSD	TestCode:	EPA Method 300.0: Anions						
Client ID:	BatchQC	Batch ID:	3913	RunNo:	5775						
Prep Date:	9/25/2012	Analysis Date:	9/25/2012	SeqNo:	165988	Units:	mg/Kg-dry				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride	81	9.2	18.36	67.90	71.7	64.4	117	2.54	20		

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 |
| P Sample pH greater than 2 | R RPD outside accepted recovery limits |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1209A82

01-Oct-12

Client: Animas Environmental Services

Project: COP Allison #71

Sample ID	5ML RB	SampType:	MBLK	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	PBS	Batch ID:	R5753	RunNo:	5753					
Prep Date:		Analysis Date:	9/25/2012	SeqNo:	165877	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	980		1000		98.3	84	116			

Sample ID	2.5UG GRO LCSB	SampType:	LCS	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	LCSS	Batch ID:	R5753	RunNo:	5753					
Prep Date:		Analysis Date:	9/25/2012	SeqNo:	165878	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		105	84	116			

Sample ID	1209A84-001AMS	SampType:	MS	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	BatchQC	Batch ID:	R5753	RunNo:	5753					
Prep Date:		Analysis Date:	9/25/2012	SeqNo:	165880	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	710		678.9		105	84	116			

Sample ID	1209A84-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	BatchQC	Batch ID:	R5753	RunNo:	5753					
Prep Date:		Analysis Date:	9/25/2012	SeqNo:	165881	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	730		678.9		108	84	116	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 |
| P Sample pH greater than 2 | R RPD outside accepted recovery limits |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1209A82

01-Oct-12

Client: Animas Environmental Services

Project: COP Allison #71

Sample ID	5ML RB	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	R5753	RunNo:	5753					
Prep Date:		Analysis Date:	9/25/2012	SeqNo:	165902	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		98.2	80	120			

Sample ID	100NG BTEX LCS	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	R5753	RunNo:	5753					
Prep Date:		Analysis Date:	9/25/2012	SeqNo:	165903	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	76.3	117			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	77	116			
Xylenes, Total	3.1	0.10	3.000	0	103	76.7	117			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Sample ID	1209A82-001AMS	SampType:	MS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	SC-1	Batch ID:	R5753	RunNo:	5753					
Prep Date:		Analysis Date:	9/25/2012	SeqNo:	165905	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.29	0.050	0.7159	0	40.9	67.2	113			S
Toluene	0.30	0.050	0.7159	0	42.4	62.1	116			S
Ethylbenzene	0.31	0.050	0.7159	0	43.3	67.9	127			S
Xylenes, Total	0.93	0.10	2.148	0	43.3	60.6	134			S
Surr: 4-Bromofluorobenzene	0.72		0.7159		101	80	120			

Sample ID	1209A82-001AMSD	SampType:	MSD	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	SC-1	Batch ID:	R5753	RunNo:	5753					
Prep Date:		Analysis Date:	9/25/2012	SeqNo:	165906	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.70	0.050	0.7159	0	97.5	67.2	113	81.7	14.3	R
Toluene	0.71	0.050	0.7159	0	99.1	62.1	116	80.1	15.9	R
Ethylbenzene	0.71	0.050	0.7159	0	99.5	67.9	127	78.7	14.4	R
Xylenes, Total	2.1	0.10	2.148	0	99.9	60.6	134	79.0	12.6	R
Surr: 4-Bromofluorobenzene	0.75		0.7159		105	80	120	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

Sample Log-In Check List

Client Name: Animas Environmental		Work Order Number: 1209A82
Received by/date: <u>mg</u> <u>09/25/12</u>		
Logged By: Ashley Gallegos	9/25/2012 10:00:00 AM	<u>mg</u>
Completed By: Ashley Gallegos	9/25/2012 10:17:20 AM	<u>mg</u>
Reviewed By:		

Chain of Custody

1. Were seals intact? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Coolers are present? (see 19. for cooler specific information) Yes ☒ No ☐ NA ☐
5. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
6. Were all samples received at a temperature of >0° C to 6.0°C Yes ☒ No ☐ NA ☐
7. Sample(s) in proper container(s)? Yes ☒ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
10. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
11. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
12. Were any sample containers received broken? Yes ☐ No ☒
13. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
14. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
15. Is it clear what analyses were requested? Yes ☒ No ☐
16. 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)

17. 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:	_____		

18. Additional remarks:

19. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Not Present			

Turn-Around Time:
<input type="checkbox"/> Standard <input checked="" type="checkbox"/> Rush <u>Same day</u>
Project Name:
<u>CoP Allison #71</u>
Project #:

☐ Standard ☒ Rush Same day

Project Name:

CoP Allison #71

Project #:

Project Manager:

D. Watson

Sampler.. D Watson

On Ice ☒ Yes ☐ No

Sample Temperature: 25.00 °C

Container
Type and #[illegible]

HEALING

1267 AS

~~Mottled~~
407

~~MeOH~~


-bbl

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

	X	BTEX +  (8021)
		BTEX + MTBE + TPH (Gas only)
		TPH Method 8015B (Gas/Diesel)
		TPH (Method 418.1)
		EDB (Method 504.1)
		8310 (PNA or PAH)
		RCRA 8 Metals
		Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)
		8081 Pesticides / 8082 PCB's
		8260B (VOA)
		8270 (Semi-VOA)
	X	300.0 Chlorides
		Air Ripples (Y or N)

Date:	Time:	Relinquished by:	Received by:	Date	Time
9/24/12	1653	Deborah Watson	Christine Wheeler	9/24/12	1653
Date:	Time:	Relinquished by:	Received by:	Date	Time
11/24/12	1724	Christine Wheeler	Michelle Gomez	09/25/12	1000

Remarks:	Bill to ConocoPhillips
WO: 10337257	Supervisor: Harry Dee
act code: C200	user ID: KATLW
Area: 6	ordered by: Bruce Yarnze

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.