

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 ConocoPhillips Company	Contact Lisa Hunter	
Address 3401 East 30th St, Farmington, NM	Telephone No. (505) 258-1607	
Facility Name: Lindrith B Unit 35	Facility Type: Gas Well	
Surface Owner Fee	Mineral Owner Fee	API No. 3003923755

LOCATION OF RELEASE

Unit Letter G	Section 09	Township 24N	Range 03W	Feet from the 1914	North/South Line North	Feet from the 2076	East/West Line East	County Rio Arriba
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Latitude **36.32730** Longitude - **107.16007**

NATURE OF RELEASE

Type of Release Hydrocarbon (Historic)	Volume of Release Unknown	Volume Recovered None
Source of Release Below Grade Tank (BGT)	Date and Hour of Occurrence Unknown	Date and Hour of Discovery July 22, 2016
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? N/A	
By Whom? N/A	Date and Hour N/A	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	

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



Describe Cause of Problem and Remedial Action Taken.*

Below-Grade Tank Closure activities with samples taken resulting in constituents exceeded standards outlined by 19.15.17.13 NMAC.

Describe Area Affected and Cleanup Action Taken.*

The below grade tank field sample results were above regulatory standard by USEPA method 418.1 for TPH and Organic Vapors, confirming a release. The sample was then transported to the lab and analytical results were below the regulatory standards set forth in the NMOCD Guidelines for Remediation of Leaks, Spills and Release – assigned a ranking score of 0; therefore no further action is required.

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 Hunter		Approved by Environmental Specialist: 	
Title: Field Environmental Specialist		Approval Date: 12/27/2016	Expiration Date:
E-mail Address: Lisa.Hunter@cop.com		Conditions of Approval: NRF 1636228984	Attached <input type="checkbox"/>
Date: November 16, 2016 Phone: (505) 258-1607			

* Attach Additional Sheets If Necessary



November 10, 2016

Lisa Hunter
ConocoPhillips
San Juan Business Unit
(505) 326-9786

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

**RE: Below Grade Tank Closure Report
Lindrith B Unit 35
Rio Arriba County, New Mexico**

Dear Ms. Hunter:

Animas Environmental Services, LLC (AES) is pleased to provide the final report associated with the below grade tank (BGT) closure at ConocoPhillips (COPC) Lindrith B Unit 35, located in Rio Arriba County, New Mexico. Tank removal was completed by COPC contractors while AES was on site.

1.0 Site Information

1.1 Location

Site Name – Lindrith B Unit 35

Legal Description – SW¼ NE¼, Section 9, T24N, R3W, Rio Arriba County, New Mexico

Well Latitude/Longitude – N36.32696 and W107.16006, respectively

BGT Latitude/Longitude – N36.32730 and W107.16007, respectively

Land Jurisdiction – Private

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, August 2016

604 W. Piñon St.
Farmington, NM 87401
505-564-2281

1911 Main, Ste 206
Durango, CO 81301
970-403-3084

www.animasenvironmental.com

1.2 NMOCD Ranking

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 0 based on the following factors:

- **Depth to Groundwater:** A Pit Remediation and Closure Report form dated July 21, 2008, reported the depth to groundwater as greater than 100 feet below ground surface (bgs). (0 points)
- **Wellhead Protection Area:** The tank location is not within a wellhead protection area. (0 points)
- **Distance to Surface Water Body:** Largo Canyon is located approximately 2,230 feet south of the wellhead. (0 points)

1.3 BGT Closure Assessment

AES was initially contacted by Lisa Hunter of COPC on July 19, 2016, and on July 22, 2016, Corwin Lameman of AES mobilized to the location. AES personnel collected one 5-point soil sample composited from four perimeter samples and one center sample of the BGT footprint from below the BGT liner.

2.0 Soil Sampling

On July 22, 2016, AES personnel conducted field sampling and collected one 5-point composite (SC-1) from below the BGT. Soil was collected from approximately 0.5 feet below the former BGT. Soil sample SC-1 was field screened for volatile organic compounds (VOCs), total petroleum hydrocarbon (TPH), and chloride, and was submitted for confirmation laboratory analysis. Soil sample locations are included on Figure 2.

2.1 Field Sampling

2.1.1 Volatile Organic Compounds

A portion of SC-1 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 sample SC-1 was also analyzed in the field for TPH 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.

2.1.3 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 USEPA Method 8021B;
- TPH as Gasoline Range Organics (GRO), Diesel Range Organics (DRO) and Motor Oil Range Organics (MRO) per USEPA Method 8015;
- TPH per USEPA Method 418.1; and
- Chloride per USEPA Method 300.0.

2.3 Field and Laboratory Analytical Results

Field screening readings for VOCs via OVM were measured at 14.4 ppm in SC-1. Field TPH concentrations were reported at 104 mg/kg, and the field chloride concentration was 80 mg/kg. Field sampling results are summarized in Table 1 and presented on Figure 2. The AES Field Sampling Report is attached.

Table 1. Soil Field VOCs, TPH, and Chloride Results
Lindrith B Unit 35 BGT Closure, July 2016

<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>
<i>NMOCD Action Level (NMAC 19.15.17.13E)</i>			--	100	250
BGT SC-1	7/22/16	0.5	14.4	104	80

Laboratory analytical results reported benzene and total BTEX concentrations in SC-1 as less than 0.020 mg/kg and 0.179 mg/kg, respectively. TPH (418.1) concentrations were reported as 210 mg/kg, and as 93 mg/kg TPH-DRO and 160 mg/kg TPH-MRO. The laboratory chloride concentration was reported at 55 mg/kg. Laboratory analytical results are summarized in Table 2 and included on Figure 2. The laboratory analytical report is attached.

Table 2. Soil Laboratory Analytical Results
Lindrith B Unit 35 BGT Closure, July 2016

Sample ID	Date Sampled	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH (418.1) (mg/kg)	TPH GRO (8015) (mg/kg)	TPH DRO (8015) (mg/kg)	TPH MRO (8015) (mg/kg)	Chlorides (mg/kg)
NMOCD Action Level (NMAC 19.15.17.13E)			0.20/ 10*	50	100/ 5,000*		100/ 5,000*		250/NE*
BGT SC-1	7/22/16	0.5	<0.020	<0.179	210	<4.0	93	160	55

*Action level determined by the NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993)
NE – Not Established

3.0 Conclusions and Recommendations

3.1 BGT Closure

NMOCD action levels for BGT closures are specified in New Mexico Administrative Code (NMAC) 19.15.17.13E. Benzene and total BTEX concentrations were below the NMOCD action levels of 0.2 mg/kg and 50 mg/kg, respectively. However, field TPH concentrations in BGT SC-1 exceeded the NMOCD action level of 100 mg/kg, with a concentration of 104 mg/kg, and laboratory analytical results for TPH were also reported above the NMOCD action level of 100 mg/kg, with a concentration of 210 mg/kg (418.1) and 253 mg/kg (8015). Chloride concentrations in SC-1 were below the NMOCD action level of 250 mg/kg. Based on field sampling and laboratory analytical results on July 22, 2016, a release is confirmed at the Lindrith B Unit 35.

3.2 Release Confirmation

Action levels for releases are determined by the NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), and the site was assigned a rank of 0. Benzene and total BTEX concentrations in SC-1 were below the NMOCD action levels of 10 mg/kg and 50 mg/kg, respectively. TPH concentrations were reported below the NMOCD action level of 5,000 mg/kg. All soil laboratory analyses

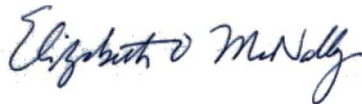
showed that benzene, total BTEX, TPH, and chloride concentrations were below the NMOCD action levels for BGT SC-1. Release notification should follow the protocols outlined in NMAC 19.15.29 and 30. No further work is recommended for the Lindrith B Unit 35 release.

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

Sincerely,



Victoria Giannola
Project Manager



Elizabeth McNally, P.E.

Attachments:

- Figure 1. Topographic Site Location Map
- Figure 2. Aerial Site Map, July 2016
- AES Field Sampling Report 072216
- Hall Analytical Report 1607C28

\\SVRMAIN2\Shared\Animas 2000\Dropbox (Animas Environmental)\0000 AES Server Client Projects
Dropbox\2016 Client Projects\ConocoPhillips\Lindrith B Unit 35\COPC Lindrith B Unit 35 BGT Closure
Report 111116 EM.docx

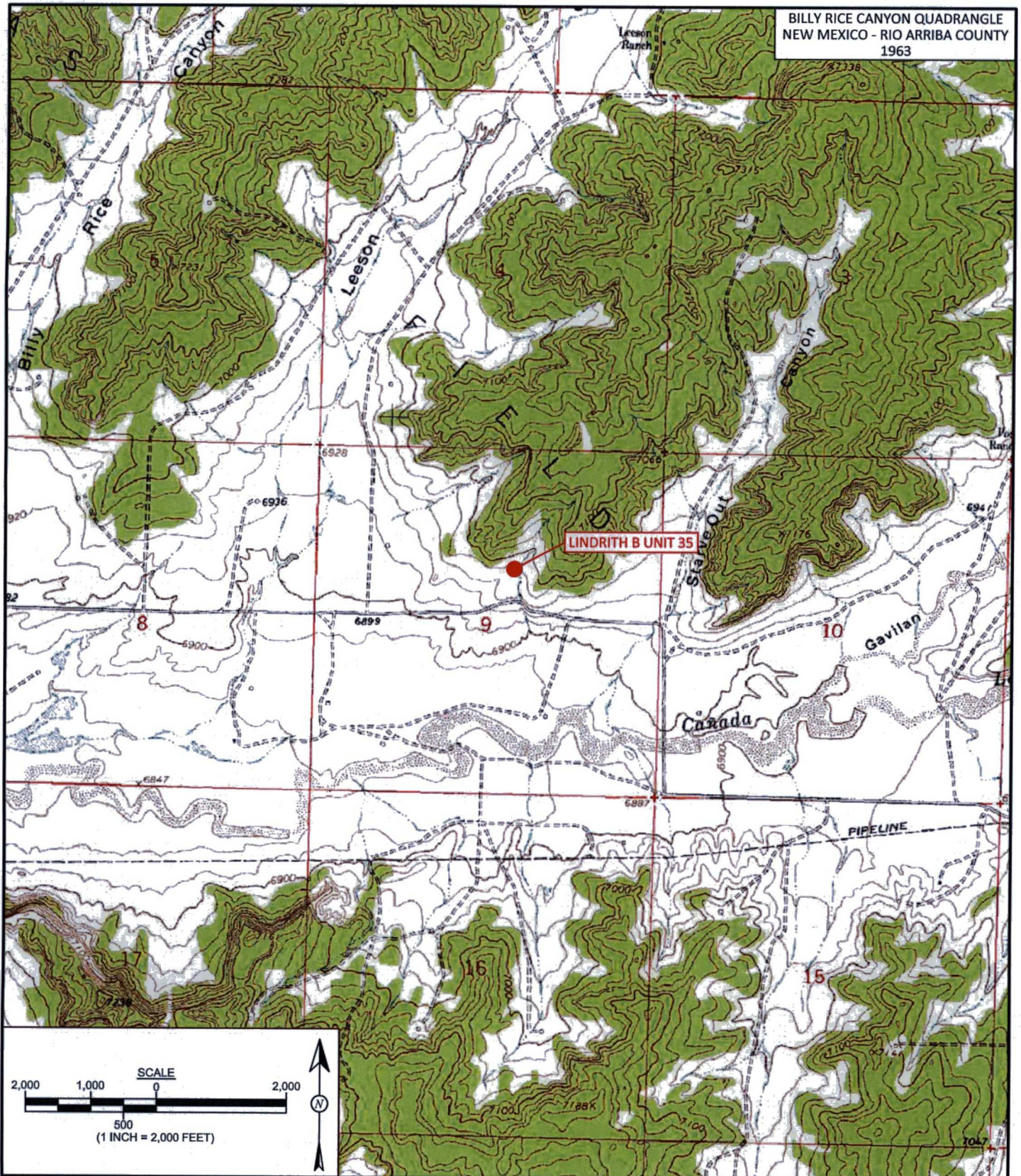


FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP
ConocoPhillips
LINDRITH B UNIT 35
SW¼ NE¼, SECTION 9, T24N, R3W
RIO ARriba COUNTY, NEW MEXICO
N36.32696, W107.16006



**animas
environmental
services**
Farmington, NM • Durango, CO
animasenvironmental.com

DRAWN BY: S. Glasses	DATE DRAWN: July 27, 2016
REVISIONS BY: S. Glasses	DATE REVISED: November 14, 2016
CHECKED BY: E. Skyles	DATE CHECKED: November 14, 2016
APPROVED BY: E. McNally	DATE APPROVED: November 14, 2016

LEGEND

● SAMPLE LOCATIONS

Field Sampling Results

Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)	Chlorides (mg/kg)
NMOCD ACTION LEVEL			--	100	250
BGT SC-1	7/22/16	0.5	14.4	104	80

BGT SC-1 IS A 5-POINT COMPOSITE SAMPLE.

Laboratory Analytical Results

Sample ID	Date	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH (418.1) (mg/kg)	TPH-GRO (8015) (mg/kg)	TPH-DRO (8015) (mg/kg)	TPH-MRO (8015) (mg/kg)	Chlorides (mg/kg)
NMOCD ACTION LEVEL			0.2	50	100/5,000*	100/5,000*			250/NE*
BGT SC-1	7/22/16	0.5	<0.020	<0.179	210	<4.0	93	160	55

SAMPLE WAS ANALYZED PER USEPA METHOD 8021B, 418.1, 8015 AND 300.0.



AERIAL SOURCE: © 2015 GOOGLE EARTH PRO, AERIAL DATE: MARCH 16, 2016



**animas
environmental
services**
Farmington, NM • Durango, CO
animasenvironmental.com

DRAWN BY:
S. Glasses

DATE DRAWN:
July 27, 2016

REVISIONS BY:
S. Glasses

DATE REVISED:
November 14, 2016

CHECKED BY:
E. Skyles

DATE CHECKED:
November 14, 2016

APPROVED BY:
E. McNally

DATE APPROVED:
November 14, 2016

FIGURE 2

**AERIAL SITE MAP
BELOW GRADE TANK CLOSURE
JULY 2016**
ConocoPhillips
LINDRITH B UNIT 35
SW¼ NE¼, SECTION 9, T24N, R3W
RIO ARriba COUNTY, NEW MEXICO
N36.32696, W107.16006

AES Field Sampling Report

Animas Environmental Services, LLC



Client: ConocoPhillips

Project Location: Lindrith B Unit 35

Date: 7/22/2016

Matrix: Soil

Sample ID	Collection Date	Collection Time	Sample Location	OVM (ppm)	Field Chloride (mg/kg)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
BGT SC-1	7/22/2016	10:20	Composite	14.4	80	104	10:39	20.0	1	CL

DF Dilution Factor

NA Not Analyzed

PQL Practical Quantitation Limit

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

Field Chloride - Quantab Chloride Titrators or Drop Count

Titration with Silver Nitrate

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst:



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

August 01, 2016

Emilee Skyles
Animas Environmental
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: COPC Lindrith B Unit 35

OrderNo.: 1607C28

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 1 sample(s) on 7/23/2016 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 dark ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: COPC Lindrith B Unit 35
Lab ID: 1607C28-001

Client Sample ID: BGT SC-1
Collection Date: 7/22/2016 10:20:00 AM
Received Date: 7/23/2016 8:30:00 AM

Matrix: MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH							Analyst: MAB
Petroleum Hydrocarbons, TR	210	20		mg/Kg	1	7/29/2016	26664
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	55	30		mg/Kg	20	7/28/2016 11:12:43 PM	26675
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	93	9.4		mg/Kg	1	7/28/2016 8:53:28 PM	26603
Motor Oil Range Organics (MRO)	160	47		mg/Kg	1	7/28/2016 8:53:28 PM	26603
Surr: DNOP	95.5	70-130		%Rec	1	7/28/2016 8:53:28 PM	26603
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	7/28/2016 7:24:23 PM	26637
Surr: BFB	105	80-120		%Rec	1	7/28/2016 7:24:23 PM	26637
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.020		mg/Kg	1	7/28/2016 7:24:23 PM	26637
Toluene	ND	0.040		mg/Kg	1	7/28/2016 7:24:23 PM	26637
Ethylbenzene	ND	0.040		mg/Kg	1	7/28/2016 7:24:23 PM	26637
Xylenes, Total	ND	0.079		mg/Kg	1	7/28/2016 7:24:23 PM	26637
Surr: 4-Bromofluorobenzene	96.9	80-120		%Rec	1	7/28/2016 7:24:23 PM	26637

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
	D Sample Diluted Due to Matrix	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 Not In Range
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1607C28

01-Aug-16

Client: Animas Environmental
Project: COPC Lindrith B Unit 35

Sample ID	MB-26675	SampType:	mblk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	26675	RunNo:	36075					
Prep Date:	7/28/2016	Analysis Date:	7/28/2016	SeqNo:	1117847	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-26675	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	26675	RunNo:	36075					
Prep Date:	7/28/2016	Analysis Date:	7/28/2016	SeqNo:	1117848	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.3	90	110			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | 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 Not In Range |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1607C28

01-Aug-16

Client: Animas Environmental
Project: COPC Lindrith B Unit 35

Sample ID	MB-26664	SampType:	MBLK	TestCode:	EPA Method 418.1: TPH					
Client ID:	PBS	Batch ID:	26664	RunNo:	36072					
Prep Date:	7/28/2016	Analysis Date:	7/29/2016	SeqNo:	1117286	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	LCS-26664	SampType:	LCS	TestCode:	EPA Method 418.1: TPH					
Client ID:	LCSS	Batch ID:	26664	RunNo:	36072					
Prep Date:	7/28/2016	Analysis Date:	7/29/2016	SeqNo:	1117288	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	120	20	100.0	0	116	80.7	121			

Sample ID	LCSD-26664	SampType:	LCSD	TestCode:	EPA Method 418.1: TPH					
Client ID:	LCSS02	Batch ID:	26664	RunNo:	36072					
Prep Date:	7/28/2016	Analysis Date:	7/29/2016	SeqNo:	1117289	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	110	20	100.0	0	114	80.7	121	2.52	20	

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | 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 Not In Range |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1607C28

01-Aug-16

Client: Animas Environmental
Project: COPC Lindrith B Unit 35

Sample ID	MB-26603	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	26603	RunNo:	36010					
Prep Date:	7/26/2016	Analysis Date:	7/27/2016	SeqNo:	1115521	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.0		10.00		80.5	70	130			

Sample ID	LCS-26603	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	26603	RunNo:	36010					
Prep Date:	7/26/2016	Analysis Date:	7/27/2016	SeqNo:	1115716	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	101	62.6	124			
Surr: DNOP	4.5		5.000		90.9	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1607C28

01-Aug-16

Client: Animas Environmental
Project: COPC Lindrith B Unit 35

Sample ID	LCS-26637		SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	LCSS		Batch ID: 26637		RunNo: 36077					
Prep Date:	7/27/2016		Analysis Date: 7/28/2016		SeqNo: 1117363		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	93.5	80	120			
Surr: BFB	1100		1000		113	80	120			

Sample ID	MB-26637		SampType:	MBLK		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	PBS		Batch ID:	26637		RunNo:	36077				
Prep Date:	7/27/2016		Analysis Date:	7/28/2016		SeqNo:	1117364		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		104	80	120				

Sample ID	MB-26668		SampType:	MBLK		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	PBS		Batch ID:	26668		RunNo:	36097				
Prep Date:	7/28/2016		Analysis Date:	7/29/2016		SeqNo:	1118419		Units: %Rec		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: BFB	920		1000		92.3	49.4	163				

Sample ID	LCS-26668		SampType:	LCS		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	LCSS		Batch ID:	26668		RunNo:	36097				
Prep Date:	7/28/2016		Analysis Date:	7/29/2016		SeqNo:	1118420		Units: %Rec		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: BFB	1100		1000		108	49.4	163				

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1607C28

01-Aug-16

Client: Animas Environmental
Project: COPC Lindrith B Unit 35

Sample ID	LCS-26637		SampType: LCS		TestCode: EPA Method 8021B: Volatiles					
Client ID:	LCSS		Batch ID: 26637		RunNo: 36077					
Prep Date:	7/27/2016		Analysis Date: 7/28/2016		SeqNo: 1117616		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.3	75.3	123			
Toluene	0.94	0.050	1.000	0	94.0	80	124			
Ethylbenzene	0.96	0.050	1.000	0	96.4	82.8	121			
Xylenes, Total	2.9	0.10	3.000	0	95.1	83.9	122			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			

Sample ID	MB-26637		SampType: MBLK		TestCode: EPA Method 8021B: Volatiles					
Client ID:	PBS		Batch ID: 26637		RunNo: 36077					
Prep Date:	7/27/2016		Analysis Date: 7/28/2016		SeqNo: 1117617		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.99		1.000		99.2	80	120			

Sample ID	MB-26668		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles				
Client ID:	PBS		Batch ID:	26668		RunNo:	36097				
Prep Date:	7/28/2016		Analysis Date:	7/29/2016		SeqNo:	1118455		Units: %Rec		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: 4-Bromofluorobenzene	0.87		1.000		87.1	80	120				

Sample ID	LCS-26668		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles				
Client ID:	LCSS		Batch ID:	26668		RunNo:	36097				
Prep Date:	7/28/2016		Analysis Date:	7/29/2016		SeqNo:	1118456		Units: %Rec		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: 4-Bromofluorobenzene	0.97		1.000		97.3	80	120				

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | 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 Not In Range |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |



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: 1607C28

RcptNo: 1

Received by/date:

[Signature] 07/23/16

Logged By: Lindsay Mangin

7/23/2016 8:30:00 AM

Completed By: Lindsay Mangin

7/25/2016 8:53:11 AM

Reviewed By:

aJ

07/25/16

[Signature]
[Signature]

Chain of Custody

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

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.8	Good	Yes			

Client: Animas Environmental Services, LLC

Phone #: 505-564-2281

Email or Fax#: eskyles@animasenvironmental.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation:

☐ NELAP ☐ Other _____☐ EDD (Type) _____

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

COPC Lindrith B Unit 35

Project #:

Project Manager:

E. Skyles

Sampler:

On Ice: ☒ Yes ☐ No

Sample Temperature: 18

[illegible]

Date:	Time:	Relinquished by:	Received by:	Date:	Time:
7/22/16	1628	Conlin	Christina Walz	7/22/16	1628

Date:	Time:	Relinquished by:	Received by:	Date	Time
7/22/16	1941	Cornwall	[Signature]	7/23/16	0830

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

[illegible]

Remarks: Bill to Conoco Phillips

WO # 10384011

Supervisor: Terry Nelson

USERID: KGARCIA

Area: 9

Ordered by: Lisa Hunter

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.