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 **ConocoPhillips Company**	Contact **Lisa Hunter**
Address **3401 East 30th St, Farmington, NM**	Telephone No. **(505) 258-1607**
Facility Name: **Schlosser WN Federal 5E**	Facility Type: **Gas Well**

Surface Owner **BLM**	Mineral Owner **BLM (SF-078673)**	API No. **3004524425**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	**34**	**28N**	**11W**	**1520**	**North**	**1650**	**West**	**San Juan**

Latitude 36.62186 Longitude -107.99420

OIL CONS. DIV DIST. 3

NOV 1 8 2016

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 21, 2016**
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom? **N/A**	
By Whom? **N/A**	Date and Hour **N/A**	
Was a Watercourse Reached? ☐ Yes ☒ 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, and the release was assigned a ranking score of 10. No further work will be performed. The final 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 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: NVF1636230299 Attached ☐
Date: **November 16, 2016** Phone: **(505) 326-9786**	

* Attach Additional Sheets If Necessary

18

November 10, 2016

Robert Spearman
ConocoPhillips
San Juan Business Unit
(505) 320-3045

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

RE: Below Grade Tank Closure Report
Schlosser WN Federal 5E
San Juan County, New Mexico

Dear Mr. Spearman:

Animas Environmental Services, LLC (AES) is pleased to provide the final report associated with the below grade tank (BGT) closure at ConocoPhillips (COPC) Schlosser WN Federal 5E, located in San Juan County, New Mexico. Tank removal was completed by COPC contractors while AES was on site.

1.0 Site Information

1.1 Location

Site Name – Schlosser WN Federal 5E
Legal Description – SE¼ NW¼, Section 34, T28N, R11W, San Juan County, New Mexico
Well Latitude/Longitude – N36.62200 and W107.99461, respectively
BGT Latitude/Longitude – N36.62186 and W107.99420, respectively
Land Jurisdiction – Bureau of Land Management (BLM)
Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, July 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 **10** based on the following factors:

- **Depth to Groundwater:** The Site Specific Hydrogeology section with a Pit Remediation and Closure Report form dated December 2008 reported the depth to groundwater as 105 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:** An unnamed wash which discharges to Kutz Wash is located approximately 350 feet north of the location. (10 points)

1.3 BGT Closure Assessment

AES was initially contacted by Robert Spearman of COPC on July 18, 2016, and on July 21, 2016, Emilee Skyles 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 21, 2016, AES personnel conducted field sampling and collected one 5-point composite (BGT SC-1) from below the BGT. Soil was collected from approximately 0.5 feet below the former BGT. Soil sample BGT 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 BGT 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 BGT 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 BGT 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 BGT 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 BGT SC-1 was laboratory analyzed for:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per USEPA Method 8021B;
- TPH per USEPA Method 418.1;
- TPH as gasoline range organics (GRO), diesel range organics (DRO), and motor oil range organics (MRO) per USEPA Method 8015; and
- Chloride per USEPA Method 300.0.

2.3 Field and Laboratory Analytical Results

Field screening readings for VOCs via OVM were measured at 3.7 ppm in BGT SC-1. Field TPH concentrations were reported at 423 mg/kg. The field chloride concentration was 60 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
Schlosser WN Federal 5E BGT Closure, July 2016

Sample ID	*Date Sampled*	*Depth below BGT (ft)*	*VOCs OVM Reading (ppm)*	*Field TPH (mg/kg)*	*Field Chlorides (mg/kg)*
NMOCD Action Level (NMAC 19.15.17.13E)			--	*100*	*250*
BGT SC-1	7/21/16	0.5	3.7	**423**	60

Laboratory analytical results reported benzene and total BTEX concentrations in BGT SC-1 as less than 0.018 mg/kg and 0.161 mg/kg, respectively. TPH (418.1) concentrations were reported at 620 mg/kg, while TPH-MRO was reported at 150 mg/kg. The laboratory chloride concentration was reported below the laboratory detection limit of 30 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
Schlosser WN Federal 5E 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)		0.2/ 10*	50	100/ 1,000*		100/ 1,000*		250/NE*
BGT SC-1	7/21/16	0.5	<0.018	<0.161	**620**	<3.6	<10	150	<30

*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 423 mg/kg, and laboratory analytical results for TPH were also reported above the NMOCD action level, with a concentration of 620 mg/kg (TPH 418.1). 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 21, 2016, a release was confirmed at the Schlosser WN Federal 5E location.

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 10. 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, by both USEPA Method 418.1 and 8015, were reported below the NMOCD action level of

1,000 mg/kg. All soil laboratory analyses showed that benzene, total BTEX, TPH, and chloride concentrations were below the respective NMOCD action levels for BGT SC-1. Release notification should follow the protocols outlined in NMAC 19.15.29 and 30. Per conversations with Cory Smith, NMOCD representative, approval to backfill was granted. No further work is recommended for the Schlosser WN Federal 5E.

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

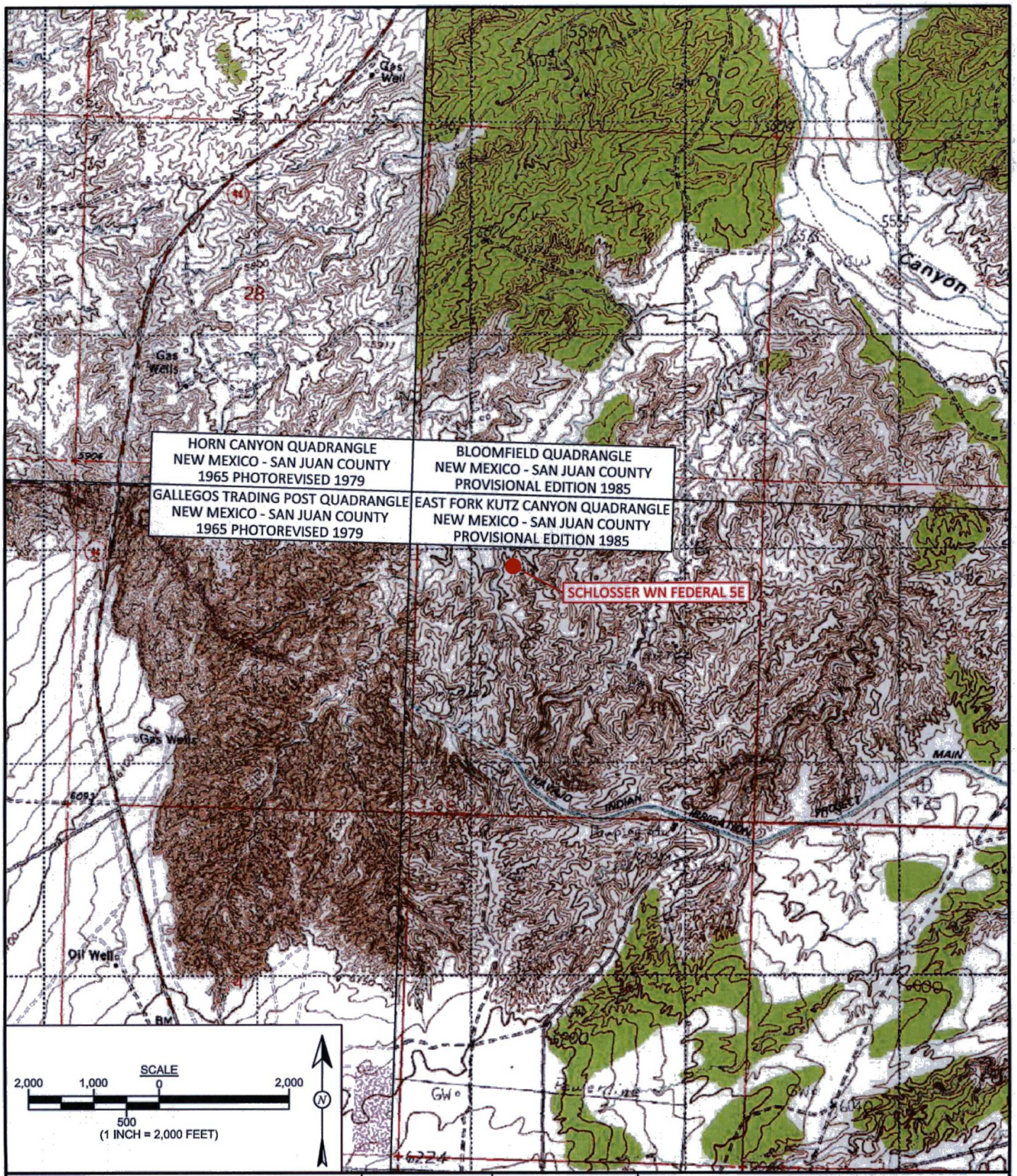
Sincerely,

Elizabeth McNally, P.E.

Attachments:

Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, July 2016
AES Field Sampling Report 072116
Hall Analytical Report 1607B35

C:\Users\emcnally\Dropbox (Animas Environmental)\0000 aes server client projects dropbox\2016 Client Projects\ConocoPhillips\Schlosser WN Federal 5E\COPC Schlosser WN Federal 5E BGT Closure Report 111516.docx

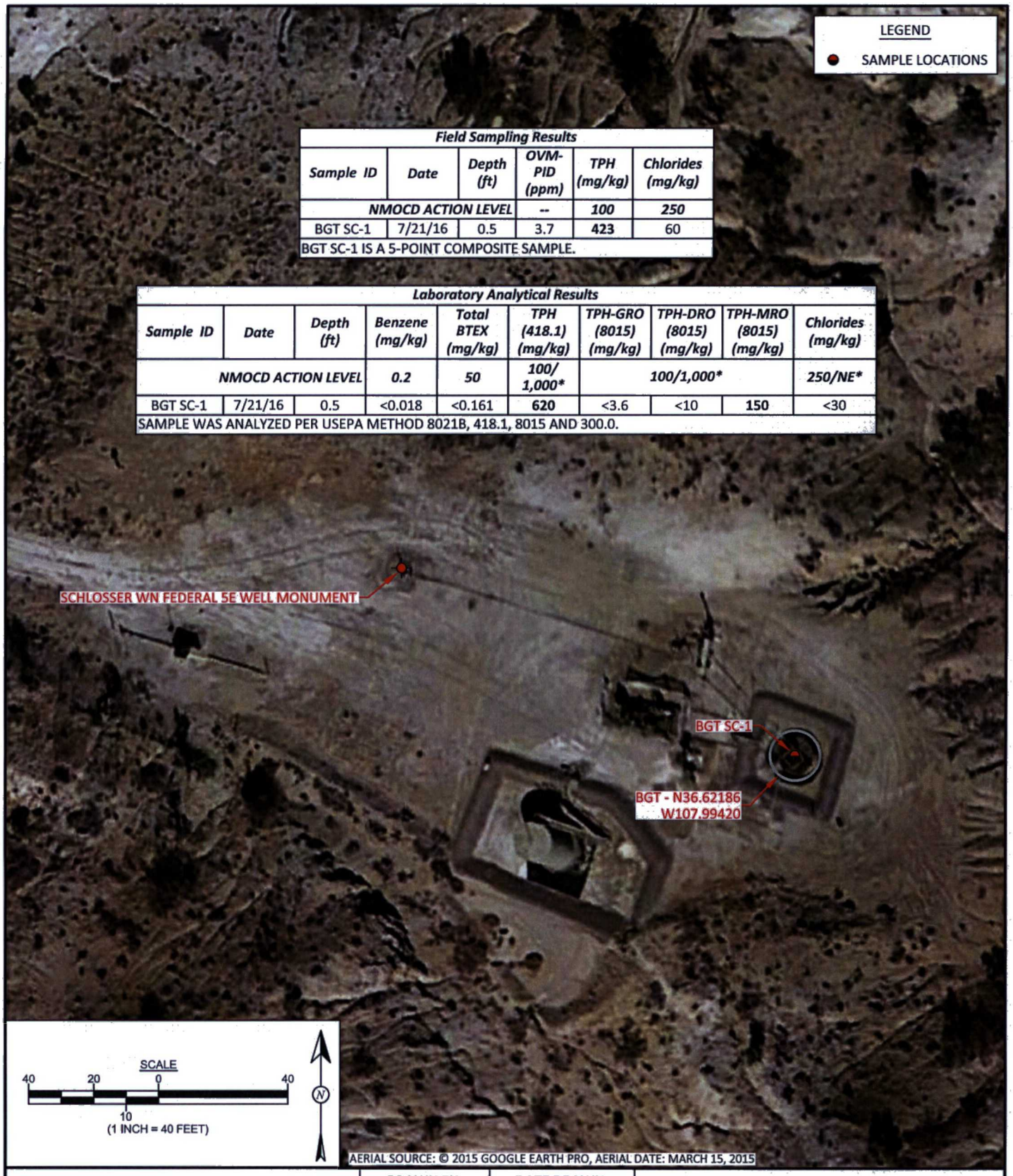


animas environmental services
Farmington, NM • Durango, CO
animasenvironmental.com

DRAWN BY: S. Glasses	**DATE DRAWN:** July 27, 2016
REVISIONS BY: S. Glasses	**DATE REVISED:** July 27, 2016
CHECKED BY: E. Skyles	**DATE CHECKED:** November 10, 2016
APPROVED BY: E. McNally	**DATE APPROVED:** November 10, 2016

FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP
ConocoPhillips
SCHLOSSER WN FEDERAL 5E
SE¼ NW¼, SECTION 34, T28N, R11W
SAN JUAN COUNTY, NEW MEXICO
N36.62200, W107.99461



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	7/21/16	0.5	3.7	**423**	60

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/ 1,000*	100/1,000*			250/NE*
BGT SC-1	7/21/16	0.5	<0.018	<0.161	**620**	<3.6	<10	**150**	<30

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

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
SCHLOSSER WN FEDERAL 5E
SE¼ NW¼, SECTION 34, T28N, R11W
SAN JUAN COUNTY, NEW MEXICO
N36.62200, W107.99461

AES Field Sampling Report

Animas Environmental Services, LLC

Client: ConocoPhillips

Project Location: Schlosser WN Federal #5E

Date: 7/21/2016

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	7/21/2016	9:40	Composite	3.7	60	423	10:05	20.0	1	EMS

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: Emily Sy L

Report Finalized: 7/21/16

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

July 25, 2016

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

RE: COPC Schlosser WN Federal 5E OrderNo.: 1607B35

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 1 sample(s) on 7/22/2016 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 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.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1607B35**
Date Reported: **7/25/2016**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Client Sample ID: BGT SC-1
Project: COPC Schlosser WN Federal 5E
Collection Date: 7/21/2016 9:40:00 AM
Lab ID: 1607B35-001
Matrix: MEOH (SOIL)
Received Date: 7/22/2016 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **TOM**	
Petroleum Hydrocarbons, TR	620	19		mg/Kg	1	7/22/2016 12:00:00 PM	26551
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	7/22/2016 1:21:04 PM	26559
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/22/2016 10:18:17 AM	26550
Motor Oil Range Organics (MRO)	150	50		mg/Kg	1	7/22/2016 10:18:17 AM	26550
Surr: DNOP	107	70-130		%Rec	1	7/22/2016 10:18:17 AM	26550
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	7/22/2016 12:13:26 PM	26539
Surr: BFB	103	80-120		%Rec	1	7/22/2016 12:13:26 PM	26539
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.018		mg/Kg	1	7/22/2016 12:13:26 PM	26539
Toluene	ND	0.036		mg/Kg	1	7/22/2016 12:13:26 PM	26539
Ethylbenzene	ND	0.036		mg/Kg	1	7/22/2016 12:13:26 PM	26539
Xylenes, Total	ND	0.071		mg/Kg	1	7/22/2016 12:13:26 PM	26539
Surr: 4-Bromofluorobenzene	97.4	80-120		%Rec	1	7/22/2016 12:13:26 PM	26539

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#: **1607B35**

25-Jul-16

Client: Animas Environmental

Project: COPC Schlosser WN Federal 5E

Sample ID	**MB-26559**	SampType:	**MBLK**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**PBS**	Batch ID:	**26559**		RunNo:	**35944**				
Prep Date:	**7/22/2016**	Analysis Date:	**7/22/2016**		SeqNo:	**1112849**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-26559**	SampType:	**LCS**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**LCSS**	Batch ID:	**26559**		RunNo:	**35944**				
Prep Date:	**7/22/2016**	Analysis Date:	**7/22/2016**		SeqNo:	**1112850**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.1	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#: **1607B35**

25-Jul-16

Client: Animas Environmental

Project: COPC Schlosser WN Federal 5E

Sample ID **MB-26551**	SampType: **MBLK**	TestCode: **EPA Method 418.1: TPH**
Client ID: **PBS**	Batch ID: **26551**	RunNo: **35899**
Prep Date: **7/22/2016**	Analysis Date: **7/22/2016**	SeqNo: **1111319** 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-26551**	SampType: **LCS**	TestCode: **EPA Method 418.1: TPH**
Client ID: **LCSS**	Batch ID: **26551**	RunNo: **35899**
Prep Date: **7/22/2016**	Analysis Date: **7/22/2016**	SeqNo: **1111320** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	98	20	100.0	0	97.9	80.7	121			

Sample ID **LCSD-26551**	SampType: **LCSD**	TestCode: **EPA Method 418.1: TPH**
Client ID: **LCSS02**	Batch ID: **26551**	RunNo: **35899**
Prep Date: **7/22/2016**	Analysis Date: **7/22/2016**	SeqNo: **1111321** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	97	20	100.0	0	96.7	80.7	121	1.28	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#: **1607B35**

25-Jul-16

Client: Animas Environmental

Project: COPC Schlosser WN Federal 5E

Sample ID **1607B35-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BGT SC-1**	Batch ID: **26550**	RunNo: **35915**
Prep Date: **7/22/2016**	Analysis Date: **7/22/2016**	SeqNo: **1111901** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	38	9.6	47.85	5.814	67.3	33.9	141			
Surr: DNOP	5.0		4.785		105	70	130			

Sample ID **1607B35-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BGT SC-1**	Batch ID: **26550**	RunNo: **35915**
Prep Date: **7/22/2016**	Analysis Date: **7/22/2016**	SeqNo: **1111902** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	38	10	50.71	5.814	63.7	33.9	141	0.176	20	
Surr: DNOP	5.2		5.071		103	70	130	0	0	

Sample ID **LCS-26550**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **26550**	RunNo: **35915**
Prep Date: **7/22/2016**	Analysis Date: **7/22/2016**	SeqNo: **1111903** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	95.7	62.6	124			
Surr: DNOP	5.0		5.000		99.4	70	130			

Sample ID **MB-26550**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **26550**	RunNo: **35915**
Prep Date: **7/22/2016**	Analysis Date: **7/22/2016**	SeqNo: **1111904** 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	10		10.00		99.9	70	130			

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#: **1607B35**

25-Jul-16

Client: Animas Environmental

Project: COPC Schlosser WN Federal 5E

Sample ID **MB-26539**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **26539**	RunNo: **35917**
Prep Date: **7/21/2016**	Analysis Date: **7/22/2016**	SeqNo: **1112169** 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		99.6	80	120			

Sample ID **LCS-26539**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **26539**	RunNo: **35917**
Prep Date: **7/21/2016**	Analysis Date: **7/22/2016**	SeqNo: **1112170** 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	80	120			
Surr: BFB	1100		1000		107	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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1607B35**

25-Jul-16

Client: Animas Environmental

Project: COPC Schlosser WN Federal 5E

Sample ID **MB-26539**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **26539**	RunNo: **35917**
Prep Date: **7/21/2016**	Analysis Date: **7/22/2016**	SeqNo: **1112184** 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	0.96		1.000		96.3	80	120			

Sample ID **LCS-26539**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **26539**	RunNo: **35917**
Prep Date: **7/21/2016**	Analysis Date: **7/22/2016**	SeqNo: **1112185** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	101	75.3	123			
Toluene	0.95	0.050	1.000	0	94.8	80	124			
Ethylbenzene	0.98	0.050	1.000	0	97.7	82.8	121			
Xylenes, Total	2.9	0.10	3.000	0	96.1	83.9	122			
Surr: 4-Bromofluorobenzene	0.98		1.000		98.2	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

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: 1607B35 RcptNo: 1

Received by/date: 07/22/16

Logged By: Lindsay Mangin 7/22/2016 7:20:00 AM

Completed By: Lindsay Mangin 7/22/2016 8:05:02 AM

Reviewed By: 07/22/16

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	1.1	Good	Not Present			

Chain-of-Custody Record

ent: Animas Environmental Services, LLC

ailing Address: 604 W Pinon St.
Farmington, NM 87401

one #: 505-564-2281

nail or Fax#: eskyles@animasenvironmental.com

VQC Package:
Standard ☐ Level 4 (Full Validation)

creditation:
NELAP ☐ Other

EDD (Type)

Turn-Around Time:
Standard X Rush_ Same Day

Project Name:
COPC Schlosser WN Federal 5E

Project #:

Project Manager:
E. Skyles

Sampler: ESkyles
On Ice: ☑ Yes ☐ No
Sample Temperature: 2.1 + 2.0 = 4.1

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1607126	BTEX - 8021B	TPH - EPA 418.1	Chlorides - 300.0	TPH - EPA 8015 (GRO/DRO/MRO)	Air Bubbles (Y or N)
7/21/16	9:40	SOIL	BGT SC-1	1 - 4 oz. MeOH Kit	cool MeOH	-001	X	X	X	X	

Date:	Time:	Relinquished by:	Received by:	Date	Time
21/16	1740			7/21/16	1740
Date:	Time:	Relinquished by:	Received by:	Date	Time
21/16	1845	Christian Walters		07/22/16	0720

Remarks: Bill to Conoco Phillips
WO # 10380816
Supervisor: Travis Munkres
USERID: KGARCIA
Area: 2
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.