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, a Wholly Owned Subsidiary of ConocoPhillips Company**	Contact **Lisa Hunter**
Address **3401 East 30th St, Farmington, NM**	Telephone No. **(505) 258-1607**
Facility Name: **San Juan 30-6 #112Y**	Facility Type: **Salt Water Disposal**

Surface Owner **Federal**	Mineral Owner **Federal**	API No. **3003923501**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	**26**	**30N**	**06W**	**1120**	**North**	**870**	**East**	**Rio Arriba**

Latitude 36.78771 Longitude 107.42578

NATURE OF RELEASE

Type of Release **Historic Contamination**	Volume of Release **Unknown**	Volume Recovered **N/A**
Source of Release **Production Tanks**	Date and Hour of Occurrence **Unknown**	Date and Hour of Discovery **August 31, 2015**
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

OIL CONS. DIV DIST. 3
DEC 08 2015

Describe Cause of Problem and Remedial Action Taken.*
Historic hydrocarbon contamination was discovered during facility decommissioning, Production Tank area. Impacted area was sampled by third-party environmental.

Describe Area Affected and Cleanup Action Taken.*

Historic hydrocarbon impacted soil (staining) was discovered under gravel of Production Tanks during facility decommission. Release assessment was completed by third-party environmental and Analytical results were below the NMOCD regulatory standards. The soil sampling report is attached for review. No further remediation 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 Approved by Environmental Specialist:	
Printed Name: **Lisa Hunter**		
Title: **Field Environmental Specialist**	Approval Date: 12/29/15	Expiration Date:
E-mail Address: **Lisa.Hunter@cop.com**	Conditions of Approval:	Attached ☐
Date: **December 4, 2015** Phone: **505-258-1607**		

* Attach Additional Sheets If Necessary #NCS1536356199

17

November 23, 2015

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

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

RE: Release Assessment Report
San Juan 30-6 #112Y
Rio Arriba County, New Mexico

Dear Ms. Hunter:

On August 31, 2015, Animas Environmental Services, LLC (AES) completed a release assessment at the ConocoPhillips (COPC) San Juan 30-6 #112Y, located in Rio Arriba County, New Mexico. Stained gravels were discovered below the production tanks during facility decommissioning.

1.0 Site Information

1.1 Location

Site Name – San Juan 30-6 #112Y
Location – NE¼ NE¼, Section 26, T30N, R6W, Rio Arriba County, New Mexico
Well Head Latitude/Longitude – N36.78751 and W107.42637, respectively
Release Location Latitude/Longitude – N36.78771 and W107.42578, respectively
Land Jurisdiction – Bureau of Land Management (BLM)
Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, August 2015

1.2 NMOCD Ranking

In accordance with New Mexico Oil Conservation Division (NMOCD) release protocols, action levels were established per NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993) prior to site work. The release was given a ranking score of 10 based on the following factors:

- **Depth to Groundwater:** A cathodic protection report form dated March 1991 for the San Juan 30-6 #112Y reported depth to groundwater at greater than 100 feet below ground surface (bgs). (0 points)
- **Wellhead Protection Area:** The release location is not within a wellhead protection area. (0 points)
- **Distance to Surface Water Body:** An unnamed drainage which discharges to La Jara Canyon is located approximately 570 feet northwest of the location. (10 points)

1.3 Assessment

AES was initially contacted by Lisa Hunter of COPC on August 26, 2015, and on August 31, 2015, Corwin Lameman of AES completed the release assessment field work. The assessment included collection and field sampling of six soil samples from two test holes beneath the removed stained gravels. Test holes were terminated between 0.5 and 3 feet below grade. Sample locations are presented on Figure 3.

2.0 Soil Sampling

A total of six soil samples from two test holes (TH-1 through TH-2) were collected during the assessment. All soil samples were field screened for volatile organic compounds (VOCs) and analyzed for total petroleum hydrocarbons (TPH). One test hole sample (TH-1) was also submitted for confirmation laboratory analysis.

2.1 Field Sampling

2.1.1 Volatile Organic Compounds

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

2.1.2 Total Petroleum Hydrocarbons

Field TPH samples were analyzed per U.S. Environmental Protection Agency (USEPA) Method 418.1 using a Buck Scientific Model HC-404 Total Hydrocarbon Analyzer Infrared Spectrometer (Buck). A 3-point calibration was completed prior to conducting soil analyses.

Field analytical protocol followed AES's *Standard Operating Procedure: Field Analysis Total Petroleum Hydrocarbons per EPA Method 418.1.*

2.2 Laboratory Analyses

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

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

2.3 Field and Laboratory Analytical Results

On August 31, 2015, release assessment field screening results for VOCs via OVM showed concentrations ranging from 0.0 ppm in TH-2 up to 189 ppm in TH-1. Field TPH concentrations ranged from 28.1 mg/kg in TH-2 up to 566 mg/kg in TH-1. Results are included below in Table 1 and on Figure 3. The AES Field Sampling Report is attached.

Table 1. Soil Field VOCs and TPH Results
San Juan 30-6 #112Y Release Assessment, August 2015

Sample ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)	TPH 418.1 (mg/kg)
*NMOCD Action Level**			*100*	*1,000*
TH-1	8/31/15	0.5	**189**	566
		1.5	2.8	53.0
		3	0.8	54.6
TH-2	8/31/15	0.5	0.0	29.7
		1.5	0.0	31.4
		3	0.0	28.1

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

Laboratory analyses for TH-1 were used to confirm field sampling results of the release assessment. Benzene and total BTEX concentrations in TH-1 were reported below laboratory detection limits of 0.050 mg/kg and 0.250 mg/kg, respectively. TPH

concentrations as GRO/DRO were reported at 530 mg/kg. Results are presented in Table 2 and on Figure 3. The laboratory analytical report is attached.

Table 2. Laboratory Analytical Results – Benzene, Total BTEX, and TPH
San Juan 30-6 #112Y Release Assessment, August 2015

Sample ID	Date Sampled	Sample Depth (ft bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)
*NMOCD Action Level**			*10*	*50*	*1,000*	
TH-1	8/31/15	0.5	<0.050	<0.250	<5.0	530

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

3.0 Conclusions and Recommendations

On August 31, 2015, AES conducted a release assessment of soils beneath stained gravels that were discovered below the production tanks during facility decommissioning at the San Juan 30-6 #112Y. 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.

Release assessment field sampling results for VOCs were slightly above the NMOCD action level of 100 ppm VOCs in TH-1 (189 ppm). However, all soil samples were below the NMOCD action level of 1,000 mg/kg for TPH, with the highest concentration reported in TH-1 at 566 mg/kg.

Laboratory analyses for TH-1 were used to confirm field sampling results. Benzene and total BTEX concentrations were reported below the NMOCD action levels of 10 mg/kg and 50 mg/kg, respectively. TPH concentrations as GRO/DRO were also below the NMOCD action level of 1,000 mg/kg, with 530 mg/kg.

Based on final field sampling and laboratory analytical results of the release assessment at the San Juan 30-6 #112Y, benzene, total BTEX, and TPH concentrations were below applicable NMOCD action levels. No further work is recommended.

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

Sincerely,

Delilah T. Dougi
Environmental Technician

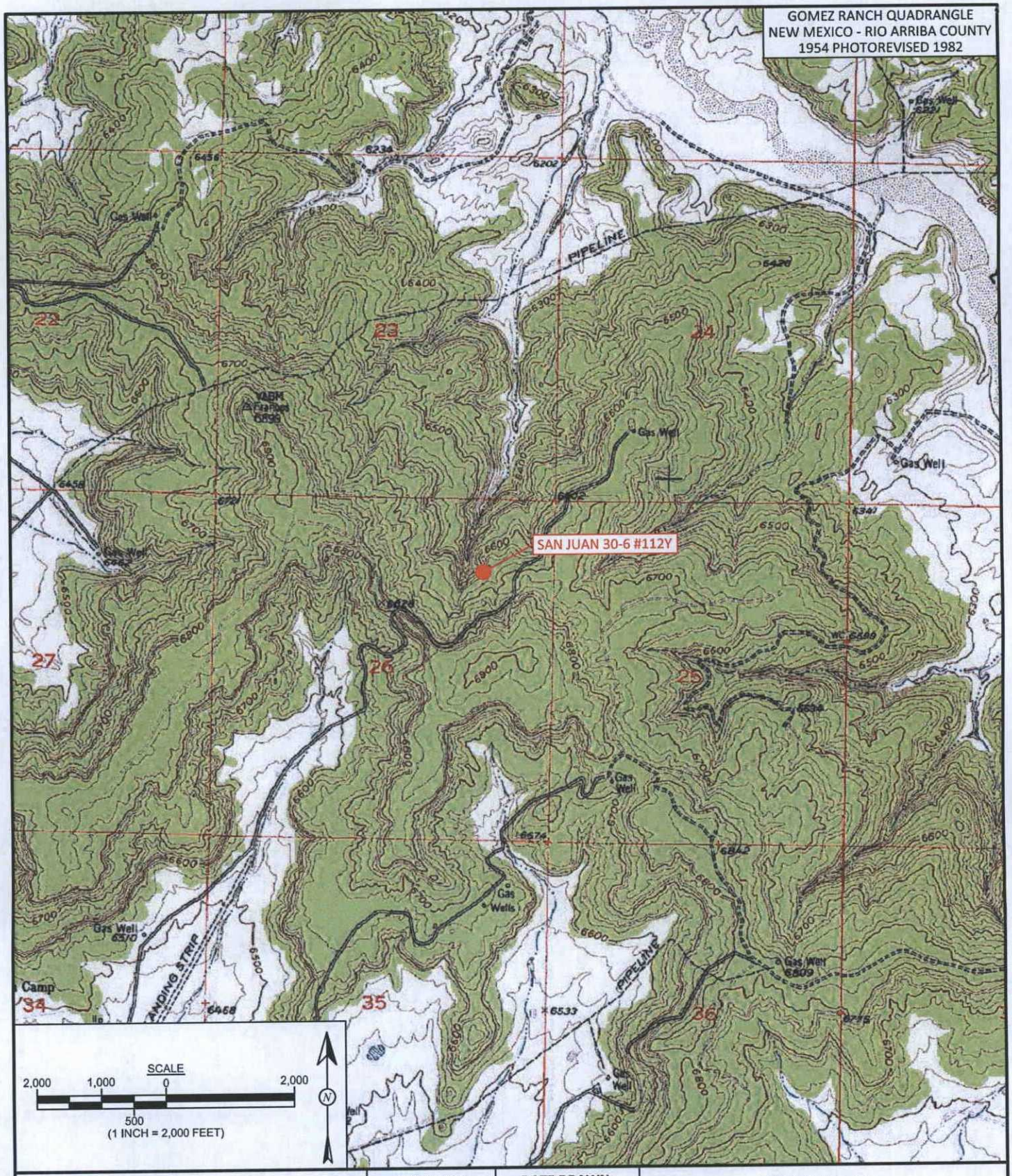
Emilee Skyles
Geologist/Project Lead

Elizabeth McNally, PE

Attachments:

Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, August 2015
Figure 3. Release Assessment Sample Locations and Results, August 2015
AES Field Sampling Report 083115
Hall Laboratory Analytical Report 1509085

R:\Animas 2000\Dropbox (Animas Environmental)\0000 Animas Server Dropbox EM\2015 Projects\ConocoPhillips\SJ 30-6 112Y\Release Assessment\COPC San Juan 30-6 112Y Release Assessment Report 112315.docx



DRAWN BY: D. Dougi	**DATE DRAWN:** August 25, 2015
REVISIONS BY: C. Lameman	**DATE REVISED:** August 25, 2015
CHECKED BY: S. Hinds	**DATE CHECKED:** August 25, 2015
APPROVED BY: E. McNally	**DATE APPROVED:** August 25, 2015

FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP
ConocoPhillips
SAN JUAN 30-6 #112Y
NE¼ NE¼, SECTION 26, T30N, R6W
RIO ARRIBA COUNTY, NEW MEXICO
N36.78751, W107.42637

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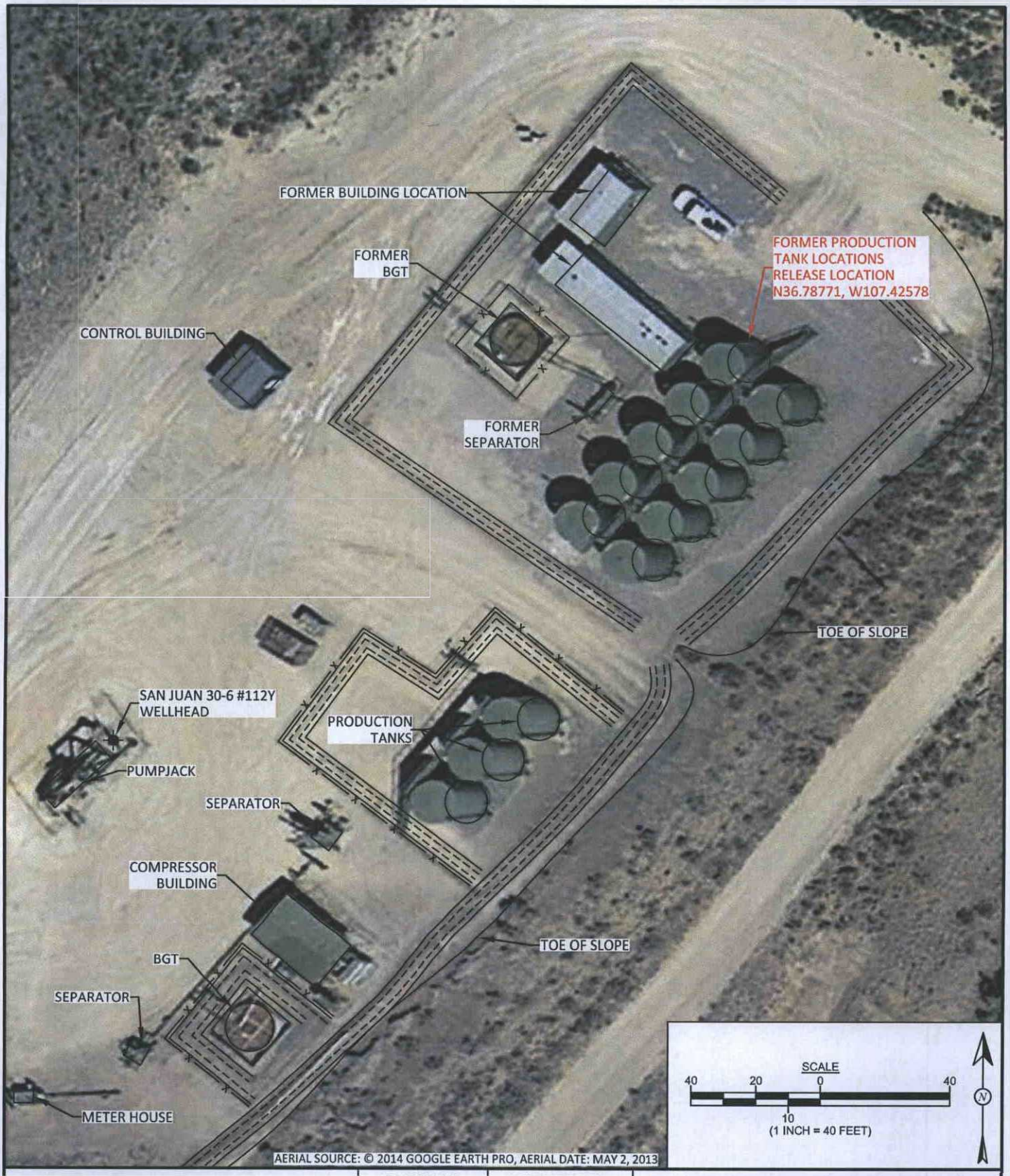
Farmington, NM • Durango, CO
animasenvironmental.com



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animasenvironmental.com

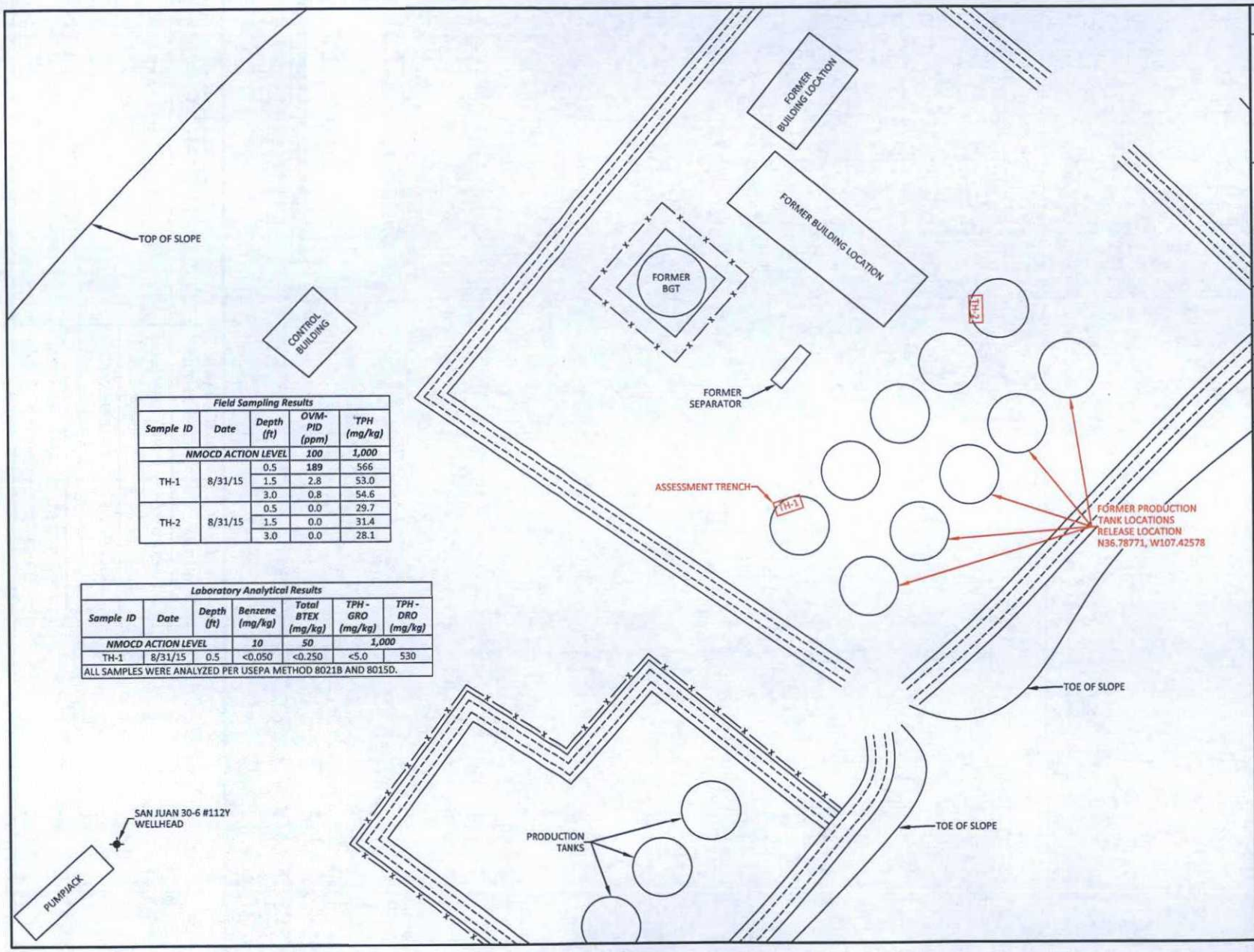
DRAWN BY: D. Dougi	**DATE DRAWN:** August 25, 2015
REVISIONS BY: C. Lameman	**DATE REVISED:** September 2, 2015
CHECKED BY: E. Skyles	**DATE CHECKED:** September 2, 2015
APPROVED BY: E. McNally	**DATE APPROVED:** September 2, 2015

FIGURE 2

AERIAL SITE MAP
AUGUST 2015
ConocoPhillips
SAN JUAN 30-6 #112Y
NE¼ NE¼, SECTION 26, T30N, R6W
RIO ARRIBA COUNTY, NEW MEXICO
N36.78751, W107.42637

FIGURE 3

RELEASE ASSESSMENT SAMPLE LOCATIONS AND RESULTS
AUGUST 2015
CONOCOPHILLIPS
SAN JUAN 30-6 #112Y
NE¼, NE¼, SECTION 26, T30N, R6W
RIO ARRIBA COUNTY, NEW MEXICO
N36.78751, W107.42637



Field Sampling Results

Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
NMOCD ACTION LEVEL			100	1,000
TH-1	8/31/15	0.5	189	566
		1.5	2.8	53.0
		3.0	0.8	54.6
TH-2	8/31/15	0.5	0.0	29.7
		1.5	0.0	31.4
		3.0	0.0	28.1

Laboratory Analytical Results

Sample ID	Date	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)
NMOCD ACTION LEVEL			10	50	1,000	
TH-1	8/31/15	0.5	<0.050	<0.250	<5.0	530

ALL SAMPLES WERE ANALYZED PER USEPA METHOD 8021B AND 8015D.

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

DRAWN BY:	DATE DRAWN:
C. Lameman	September 2, 2015
REVISIONS BY:	DATE REVISED:
D. Dougi	November 25, 2015
CHECKED BY:	DATE CHECKED:
E. Skyles	November 25, 2015
APPROVED BY:	DATE APPROVED:
E. McNally	November 25, 2015

LEGEND
- SAMPLE LOCATION
- SECONDARY CONTAINMENT BERM
- —x— FENCE

N

SCALE
20 10 0 20
(1 INCH = 20 FEET)

AES Field Sampling Report

Animas Environmental Services, LLC

Client: ConocoPhillips

Project Location: San Juan 30-6 112Y

Date: 8/31/2015

Matrix: Soil

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
TH-1 @ 0.5'	8/31/2015	13:04	189	566	13:32	20.0	1	CL
TH-1 @ 1.5'	8/31/2015	13:06	2.8	53.0	13:35	20.0	1	CL
TH-1 @ 3'	8/31/2015	13:08	0.8	54.6	13:38	20.0	1	CL
TH-2 @ 0.5'	8/31/2015	14:15	0.0	29.7	14:42	20.0	1	CL
TH-2 @ 1.5'	8/31/2015	14:19	0.0	31.4	14:45	20.0	1	CL
TH-2 @ 3'	8/31/2015	14:21	0.0	28.1	14:47	20.0	1	CL

DF Dilution Factor

PQL Practical Quantitation Limit

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

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst: Cai Lu

Report Finalized: 8/31/15

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

September 08, 2015

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

RE: COPC SJ 30-6 112Y

OrderNo.: 1509085

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 1 sample(s) on 9/2/2015 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 **1509085**
Date Reported: **9/8/2015**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental
Project: COPC SJ 30-6 112Y
Lab ID: 1509085-001 **Matrix:** SOIL

Client Sample ID: TH-1@0.5'
Collection Date: 8/31/2015 1:04:00 PM
Received Date: 9/2/2015 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	530	9.7		mg/Kg	1	9/4/2015 5:35:06 PM	21121
Surr: DNOP	114	57.9-140		%REC	1	9/4/2015 5:35:06 PM	21121
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/3/2015 2:34:22 PM	21112
Surr: BFB	143	75.4-113	S	%REC	1	9/3/2015 2:34:22 PM	21112
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.050		mg/Kg	1	9/3/2015 2:34:22 PM	21112
Toluene	ND	0.050		mg/Kg	1	9/3/2015 2:34:22 PM	21112
Ethylbenzene	ND	0.050		mg/Kg	1	9/3/2015 2:34:22 PM	21112
Xylenes, Total	ND	0.10		mg/Kg	1	9/3/2015 2:34:22 PM	21112
Surr: 4-Bromofluorobenzene	113	80-120		%REC	1	9/3/2015 2:34:22 PM	21112

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		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1509085**

08-Sep-15

Client: Animas Environmental
Project: COPC SJ 30-6 112Y

Sample ID **MB-21121**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **21121**	RunNo: **28657**
Prep Date: **9/3/2015**	Analysis Date: **9/4/2015**	SeqNo: **868052** 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	11		10.00		105	57.9	140			

Sample ID **LCS-21121**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **21121**	RunNo: **28657**
Prep Date: **9/3/2015**	Analysis Date: **9/4/2015**	SeqNo: **868053** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	84.9	57.4	139			
Surr: DNOP	5.0		5.000		99.7	57.9	140			

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1509085**

08-Sep-15

Client: Animas Environmental
Project: COPC SJ 30-6 112Y

Sample ID **LCS-21112**	SampType: **LCS**			TestCode: **EPA Method 8015D: Gasoline Range**						
Client ID: **LCSS**	Batch ID: **21112**			RunNo: **28662**						
Prep Date: **9/2/2015**	Analysis Date: **9/3/2015**			SeqNo: **868074**		Units: **mg/Kg**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	107	79.6	122			
Surr: BFB	1000		1000		99.7	75.4	113			

Sample ID **MB-21112**	SampType: **MBLK**			TestCode: **EPA Method 8015D: Gasoline Range**						
Client ID: **PBS**	Batch ID: **21112**			RunNo: **28662**						
Prep Date: **9/2/2015**	Analysis Date: **9/3/2015**			SeqNo: **868075**		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	890		1000		88.7	75.4	113			

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1509085**

08-Sep-15

Client: Animas Environmental
Project: COPC SJ 30-6 112Y

Sample ID **LCS-21112**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **21112**	RunNo: **28662**
Prep Date: **9/2/2015**	Analysis Date: **9/3/2015**	SeqNo: **868094** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.050	1.000	0	90.7	80	120			
Toluene	0.89	0.050	1.000	0	89.5	80	120			
Ethylbenzene	0.90	0.050	1.000	0	90.2	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.4	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		112	80	120			

Sample ID **MB-21112**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **21112**	RunNo: **28662**
Prep Date: **9/2/2015**	Analysis Date: **9/3/2015**	SeqNo: **868095** 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		105	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

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: 1509085 | RcptNo: 1

Received by/date: LM 09/02/15

Logged By: Celina Sessa 9/2/2015 8:00:00 AM Celina Sessa

Completed By: Celina Sessa 9/2/2015 9:11:37 AM Celina Sessa

Reviewed By: 09/02/15

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 ☐	# of preserved bottles checked for pH: ____ (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted? ____
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 ☐	Checked by: ____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: ____ Date: ____

By Whom: ____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: ____

Client Instructions: ____

17. Additional remarks:

18. Cooler Information

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

Chain-of-Custody Record

Client: Animas Environmental Services

Mailing Address: 604 W. Piñon St. 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: COPC SJ 30-6 112T

Project #:

Project Manager: E. Styles

Sampler: C. Lameman

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.4

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1509085	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)					Air Bubbles (Y or N)
~~8/31/15~~ 9/1/15	1304	Soil	TH-1 @ 0.5'	1-4oz.	cool	-001	X		X													

Date	Time	Relinquished by:	Received by:	Date	Time
9/1/15	1643			9/1/15	1643
9/1/15	1805			09/02/15	0800

Remarks: Bill to ConocoPhillips
WO # 10380839 Area: 5
User: MCINNSK Super: Mike Murphy
Capital Projects: Randall Smith 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.