

# CAP for the EVGSAU Satellite 1; RP-4274

UL-G, Sec-29, T-17S, R-35E, Lea County New Mexico, DGW-70'

On May 11<sup>th</sup>, 2016 ConocoPhillips had a trunk line that leaked spilling 5.39 bbls of produced water with zero barrels recovered. Samples taken showed the chlorides were at 320 ppm at 2' and 80 ppm at 6' at sample point 1 and 48 ppm at surface and at below 16 at 6' at sample point 2. ConocoPhillips would like to dig out 2' of the spill area and replace with clean backfill material. The sidewalls of the dig out area will be sampled to show that all contamination has been removed and on the south side of the trunk line we will take a sample of the floor to verify a clean bottom has been found before backfilling. All contaminated soils will be hauled to an approved NMOCD site and backfill will come from a local ranchers pit. After dig out is complete we will reseed the area with a seed mixture approved by the SLO. If you have any concerns or questions please contact me by phone or email. Thank You Justin Wright.

**APPROVED**

*By Olivia Yu at 2:43 pm, Dec 07, 2017*

NMOCD approves of the delineation completed and proposed remediation for 1RP-4274.

# Initial Sampling Data



Landowner: State  
DGW: 70 Ft  
GPS: 32.809222 -103.476213

**Legend**

- ▲ SAMPLE POINT
- BURIED PIPELINE
- STAIN - 1,511 SQ FT



**CONOCOPHILLIPS  
EVGSAU  
SATELLITE 1**  
1RP-4274  
UL G SECTION 29  
T-17-S R-35-E  
LEA COUNTY, NM

**Underground facilities are  
spatially projected  
and need to be field verified.**

0 10 20  
Feet  
GPS Date: 5/17/16 KN  
Drawing date: 5/17/16  
Drafted by: T. Grieco





April 27, 2017

JUSTIN WRIGHT

Conoco Phillips - Hobbs

P. O. BOX 325

Hobbs, NM 88240

RE: EVGSAU SATELLITE 1

Enclosed are the results of analyses for samples received by the laboratory on 04/21/17 9:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 Conoco Phillips - Hobbs  
 JUSTIN WRIGHT  
 P. O. BOX 325  
 Hobbs NM, 88240  
 Fax To: (575) 297-1477

Received:	04/21/2017	Sampling Date:	04/20/2017
Reported:	04/27/2017	Sampling Type:	Soil
Project Name:	EVGSAU SATELLITE 1	Sampling Condition:	Cool & Intact
Project Number:	TRUNK LINE	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: #1 - SURFACE (H701067-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2017	ND	1.96	97.8	2.00	2.29	
Toluene*	<0.050	0.050	04/25/2017	ND	1.80	90.1	2.00	1.74	
Ethylbenzene*	<0.050	0.050	04/25/2017	ND	1.80	90.0	2.00	1.25	
Total Xylenes*	<0.150	0.150	04/25/2017	ND	5.12	85.3	6.00	1.34	
Total BTEX	<0.300	0.300	04/25/2017	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 72-148*

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>6930</b>	16.0	04/25/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	04/22/2017	ND	200	100	200	4.05	
<b>DRO &gt;C10-C28</b>	<b>1090</b>	50.0	04/22/2017	ND	215	107	200	4.17	

*Surrogate: 1-Chlorooctane 90.6 % 28.3-164*
*Surrogate: 1-Chlorooctadecane 109 % 34.7-157*

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Conoco Phillips - Hobbs  
 JUSTIN WRIGHT  
 P. O. BOX 325  
 Hobbs NM, 88240  
 Fax To: (575) 297-1477

Received:	04/21/2017	Sampling Date:	04/20/2017
Reported:	04/27/2017	Sampling Type:	Soil
Project Name:	EVGSAU SATELLITE 1	Sampling Condition:	Cool & Intact
Project Number:	TRUNK LINE	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: #1 - 1' (H701067-02)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2017	ND	1.96	97.8	2.00	2.29	
Toluene*	<0.050	0.050	04/25/2017	ND	1.80	90.1	2.00	1.74	
Ethylbenzene*	<0.050	0.050	04/25/2017	ND	1.80	90.0	2.00	1.25	
Total Xylenes*	<0.150	0.150	04/25/2017	ND	5.12	85.3	6.00	1.34	
Total BTEX	<0.300	0.300	04/25/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>640</b>	16.0	04/25/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/22/2017	ND	200	100	200	4.05	
<b>DRO &gt;C10-C28</b>	<b>88.6</b>	10.0	04/22/2017	ND	215	107	200	4.17	

Surrogate: 1-Chlorooctane 85.1 % 28.3-164

Surrogate: 1-Chlorooctadecane 85.0 % 34.7-157

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Conoco Phillips - Hobbs  
 JUSTIN WRIGHT  
 P. O. BOX 325  
 Hobbs NM, 88240  
 Fax To: (575) 297-1477

Received:	04/21/2017	Sampling Date:	04/20/2017
Reported:	04/27/2017	Sampling Type:	Soil
Project Name:	EVGSAU SATELLITE 1	Sampling Condition:	Cool & Intact
Project Number:	TRUNK LINE	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: #1 - 2' (H701067-03)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2017	ND	1.96	97.8	2.00	2.29	
Toluene*	<0.050	0.050	04/25/2017	ND	1.80	90.1	2.00	1.74	
Ethylbenzene*	<0.050	0.050	04/25/2017	ND	1.80	90.0	2.00	1.25	
Total Xylenes*	<0.150	0.150	04/25/2017	ND	5.12	85.3	6.00	1.34	
Total BTEX	<0.300	0.300	04/25/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>320</b>	16.0	04/25/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/22/2017	ND	200	100	200	4.05	
DRO >C10-C28	<10.0	10.0	04/22/2017	ND	215	107	200	4.17	

Surrogate: 1-Chlorooctane 96.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 88.6 % 34.7-157

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Conoco Phillips - Hobbs  
 JUSTIN WRIGHT  
 P. O. BOX 325  
 Hobbs NM, 88240  
 Fax To: (575) 297-1477

Received:	04/21/2017	Sampling Date:	04/20/2017
Reported:	04/27/2017	Sampling Type:	Soil
Project Name:	EVGSAU SATELLITE 1	Sampling Condition:	Cool & Intact
Project Number:	TRUNK LINE	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: #1 - 6' (H701067-04)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2017	ND	1.96	97.8	2.00	2.29	
Toluene*	<0.050	0.050	04/25/2017	ND	1.80	90.1	2.00	1.74	
Ethylbenzene*	<0.050	0.050	04/25/2017	ND	1.80	90.0	2.00	1.25	
Total Xylenes*	<0.150	0.150	04/25/2017	ND	5.12	85.3	6.00	1.34	
Total BTEX	<0.300	0.300	04/25/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/25/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/22/2017	ND	200	100	200	4.05	
DRO >C10-C28	<10.0	10.0	04/22/2017	ND	215	107	200	4.17	

Surrogate: 1-Chlorooctane 77.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 74.3 % 34.7-157

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Conoco Phillips - Hobbs  
 JUSTIN WRIGHT  
 P. O. BOX 325  
 Hobbs NM, 88240  
 Fax To: (575) 297-1477

Received:	04/21/2017	Sampling Date:	04/20/2017
Reported:	04/27/2017	Sampling Type:	Soil
Project Name:	EVGSAU SATELLITE 1	Sampling Condition:	Cool & Intact
Project Number:	TRUNK LINE	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: #1 - 12' (H701067-05)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2017	ND	1.96	97.8	2.00	2.29		
Toluene*	<0.050	0.050	04/25/2017	ND	1.80	90.1	2.00	1.74		
Ethylbenzene*	<0.050	0.050	04/25/2017	ND	1.80	90.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	04/25/2017	ND	5.12	85.3	6.00	1.34		
Total BTEX	<0.300	0.300	04/25/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/25/2017	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	04/24/2017	ND	184	91.9	200	1.36		
DRO >C10-C28	<10.0	10.0	04/24/2017	ND	194	97.1	200	1.76		

Surrogate: 1-Chlorooctane 85.9 % 28.3-164

Surrogate: 1-Chlorooctadecane 83.3 % 34.7-157

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Conoco Phillips - Hobbs  
 JUSTIN WRIGHT  
 P. O. BOX 325  
 Hobbs NM, 88240  
 Fax To: (575) 297-1477

Received:	04/21/2017	Sampling Date:	04/20/2017
Reported:	04/27/2017	Sampling Type:	Soil
Project Name:	EVGSAU SATELLITE 1	Sampling Condition:	Cool & Intact
Project Number:	TRUNK LINE	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: #2 - SURFACE (H701067-06)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2017	ND	1.96	97.8	2.00	2.29		
Toluene*	<0.050	0.050	04/25/2017	ND	1.80	90.1	2.00	1.74		
Ethylbenzene*	<0.050	0.050	04/25/2017	ND	1.80	90.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	04/25/2017	ND	5.12	85.3	6.00	1.34		
Total BTEX	<0.300	0.300	04/25/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>48.0</b>	16.0	04/25/2017	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	04/24/2017	ND	184	91.9	200	1.36		
<b>DRO &gt;C10-C28</b>	<b>87.1</b>	10.0	04/24/2017	ND	194	97.1	200	1.76		

Surrogate: 1-Chlorooctane 89.9 % 28.3-164

Surrogate: 1-Chlorooctadecane 90.4 % 34.7-157

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Conoco Phillips - Hobbs  
 JUSTIN WRIGHT  
 P. O. BOX 325  
 Hobbs NM, 88240  
 Fax To: (575) 297-1477

Received:	04/21/2017	Sampling Date:	04/20/2017
Reported:	04/27/2017	Sampling Type:	Soil
Project Name:	EVGSAU SATELLITE 1	Sampling Condition:	Cool & Intact
Project Number:	TRUNK LINE	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: #2 - 1' (H701067-07)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2017	ND	1.96	97.8	2.00	2.29	
Toluene*	<0.050	0.050	04/25/2017	ND	1.80	90.1	2.00	1.74	
Ethylbenzene*	<0.050	0.050	04/25/2017	ND	1.80	90.0	2.00	1.25	
Total Xylenes*	<0.150	0.150	04/25/2017	ND	5.12	85.3	6.00	1.34	
Total BTEX	<0.300	0.300	04/25/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/25/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/24/2017	ND	184	91.9	200	1.36	
<b>DRO &gt;C10-C28</b>	<b>11.7</b>	10.0	04/24/2017	ND	194	97.1	200	1.76	

Surrogate: 1-Chlorooctane 79.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 77.5 % 34.7-157

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Conoco Phillips - Hobbs  
 JUSTIN WRIGHT  
 P. O. BOX 325  
 Hobbs NM, 88240  
 Fax To: (575) 297-1477

Received:	04/21/2017	Sampling Date:	04/20/2017
Reported:	04/27/2017	Sampling Type:	Soil
Project Name:	EVGSAU SATELLITE 1	Sampling Condition:	Cool & Intact
Project Number:	TRUNK LINE	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: #2 - 2' (H701067-08)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2017	ND	1.98	99.0	2.00	0.347	
Toluene*	<0.050	0.050	04/25/2017	ND	1.84	91.8	2.00	0.698	
Ethylbenzene*	<0.050	0.050	04/25/2017	ND	1.81	90.5	2.00	1.00	
Total Xylenes*	<0.150	0.150	04/25/2017	ND	5.17	86.2	6.00	0.551	
Total BTEX	<0.300	0.300	04/25/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	04/25/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/24/2017	ND	184	91.9	200	1.36	
<b>DRO &gt;C10-C28</b>	<b>16.0</b>	10.0	04/24/2017	ND	194	97.1	200	1.76	

Surrogate: 1-Chlorooctane 83.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 79.4 % 34.7-157

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Conoco Phillips - Hobbs  
 JUSTIN WRIGHT  
 P. O. BOX 325  
 Hobbs NM, 88240  
 Fax To: (575) 297-1477

Received:	04/21/2017	Sampling Date:	04/20/2017
Reported:	04/27/2017	Sampling Type:	Soil
Project Name:	EVGSAU SATELLITE 1	Sampling Condition:	Cool & Intact
Project Number:	TRUNK LINE	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: #2 - 6' (H701067-09)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2017	ND	1.98	99.0	2.00	0.347		
Toluene*	<0.050	0.050	04/25/2017	ND	1.84	91.8	2.00	0.698		
Ethylbenzene*	<0.050	0.050	04/25/2017	ND	1.81	90.5	2.00	1.00		
Total Xylenes*	<0.150	0.150	04/25/2017	ND	5.17	86.2	6.00	0.551		
Total BTEX	<0.300	0.300	04/25/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/25/2017	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	04/24/2017	ND	184	91.9	200	1.36		
DRO >C10-C28	<10.0	10.0	04/24/2017	ND	194	97.1	200	1.76		

Surrogate: 1-Chlorooctane 80.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 73.9 % 34.7-157

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Conoco Phillips - Hobbs  
 JUSTIN WRIGHT  
 P. O. BOX 325  
 Hobbs NM, 88240  
 Fax To: (575) 297-1477

Received:	04/21/2017	Sampling Date:	04/20/2017
Reported:	04/27/2017	Sampling Type:	Soil
Project Name:	EVGSAU SATELLITE 1	Sampling Condition:	Cool & Intact
Project Number:	TRUNK LINE	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: #2 - 12' (H701067-10)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2017	ND	1.98	99.0	2.00	0.347	
Toluene*	<0.050	0.050	04/25/2017	ND	1.84	91.8	2.00	0.698	
Ethylbenzene*	<0.050	0.050	04/25/2017	ND	1.81	90.5	2.00	1.00	
Total Xylenes*	<0.150	0.150	04/25/2017	ND	5.17	86.2	6.00	0.551	
Total BTEX	<0.300	0.300	04/25/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>128</b>	16.0	04/25/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/24/2017	ND	184	91.9	200	1.36	
DRO >C10-C28	<10.0	10.0	04/24/2017	ND	194	97.1	200	1.76	

Surrogate: 1-Chlorooctane 83.4 % 28.3-164

Surrogate: 1-Chlorooctadecane 77.0 % 34.7-157

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report





**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Geno Phillips  
 Project Manager: Justin Wright  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: 575-63-9092 Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: Evansville 1 Trunkline  
 Project Location: \_\_\_\_\_  
 Sampler Name: Justin Wright  
 FOR LAB USE ONLY

P.O. #: \_\_\_\_\_ Company: \_\_\_\_\_  
 Attn: \_\_\_\_\_ Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	BTEX	TPH	Chlorides
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
H701067	#1-Surface	G	6								4-20-17		✓	✓	✓	
	#1-1'	G	6								4-20-17		✓	✓	✓	
	#1-2'	G	6								4-20-17		✓	✓	✓	
	#1-6'	G	6								4-20-17		✓	✓	✓	
	#1-12'	G	6								4-20-17		✓	✓	✓	
	#2-Surface	G	6								4-20-17		✓	✓	✓	
	#2-1'	G	6								4-20-17		✓	✓	✓	
	#2-2'	G	6								4-20-17		✓	✓	✓	
	#2-6'	G	6								4-20-17		✓	✓	✓	
	#2-12'	G	6								4-20-17		✓	✓	✓	

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: \_\_\_\_\_ Date: 4-21-17  
 Time: 9:55  
 Received By: Scott Johnson  
 Date: \_\_\_\_\_ Time: \_\_\_\_\_

Phone Result:  Yes  No  Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No  Add'l Fax #: \_\_\_\_\_  
 REMARKS: \_\_\_\_\_

Delivered By: (Circle One)  
 Sampler - UPS - Bus - Other: #75 4.82  
 Sample Condition: Cool  Intact   
 Checked By: (Initials) [Signature]

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



EVCSAU  
MILITARY SIC B  
Security 2.1 Para 2.1

CAUTION  
HARD HATS  
REQUIRED

CAUTION  
HIGH VOLTAGE  
GAS

AUTHORIZED  
PERSONNEL  
ONLY

DANGER  
NO  
SMOKING

DANGER HIGH VOLTAGE  
NO ENTRY UNLESS  
AUTHORIZED

DANGER HIGH VOLTAGE  
NO ENTRY UNLESS  
AUTHORIZED

ALL ELECTRICAL  
EQUIPMENT IS  
UNGUARDED  
AND EXTREMELY  
DANGEROUS  
UNLESS  
SPECIFICALLY  
NOTED OTHERWISE

2016-05-17

**EVGSAU**

SATELLITE #1 SEC. 19  
Township 17.S Range 35.E

**CAUTION**  
HARD HATS  
REQUIRED

**CAUTION**  
POISON  
-GAS-

AUTHORIZED  
PERSONNEL  
ONLY

**DANGER**

**NO  
SMOKING**

EMERGENCY CONTACT  
ConocoPhillips Co.

NO TRESPASSING  
PRIVATE PROPERTY  
NO TRASPASAR  
PROPIEDAD PRIVADA

THE USE OF THIS FACILITY IS LIMITED TO THE  
PURPOSES OF THE EVGSAU PROJECT AND IS  
RESTRICTED TO AUTHORIZED PERSONNEL ONLY.  
UNAUTHORIZED ACCESS TO THIS FACILITY  
MAY BE PENALIZED BY THE STATE OF TEXAS.  
EVGSAU PROJECT OPERATIONS  
PO BOX 100000  
DALLAS, TX 75210-0000

2016-05-17



2016-05-17



2016-05-17



2016-05-17



2016-05-17



2016-05-17



2016-05-17