





**REVIEWED**

*By OCD District 1 at 9:52 am, May 21, 2015*

May 15, 2015

KYLE NORMAN

BASIN ENVIRONMENTAL - HOBBS

419 W. CAIN

HOBBS, NM 88240

RE: WARREN UNIT #17

Enclosed are the results of analyses for samples received by the laboratory on 05/14/15 16:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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,

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 BASIN ENVIRONMENTAL - HOBBS  
 KYLE NORMAN  
 419 W. CAIN  
 HOBBS NM, 88240  
 Fax To: (575) 393-0293

Received:	05/14/2015	Sampling Date:	05/14/2015
Reported:	05/15/2015	Sampling Type:	Soil
Project Name:	WARREN UNIT #17	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CONOCOPHILLIPS		

**Sample ID: 5 PT. COMP 1' EXC. (H501246-01)**

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	05/15/2015	ND	1.63	81.4	2.00	0.121		
Toluene*	<0.050	0.050	05/15/2015	ND	1.74	86.8	2.00	2.30		
Ethylbenzene*	<0.050	0.050	05/15/2015	ND	1.63	81.6	2.00	0.161		
Total Xylenes*	<0.150	0.150	05/15/2015	ND	4.80	79.9	6.00	0.171		
Total BTEX	<0.300	0.300	05/15/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 110 % 61-154*

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/15/2015	ND	400	100	400	3.92		

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	05/15/2015	ND	175	87.4	200	0.307		
DRO >C10-C28	<10.0	10.0	05/15/2015	ND	203	102	200	6.78		

*Surrogate: 1-Chlorooctane 101 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 120 % 52.1-176*

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

- 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



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Celey D. Keene, Lab Director/Quality Manager



**ARDINAL LABORATORIES**

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(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

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

*RUSH!!!*

Company Name: ConocoPhillips **BILL TO** ANALYSIS REQUEST

Project Manager: Kyle Norman P.O. #: Company: Basin

Address: 419 W Cain Attn: Address: 419 W Cain

City: Hobbs State: NM Zip: 88240

Phone #: 575-393-2967 Fax #: 575-393-0293

Project #: Project Owner: City: Hobbs State: NM Zip: 88240

Project Name: Project Location: Warren Unit #17 Phone #: 575-393-2967

Sample Name: Kyle Schwaidt Fax #: 575-393-0293

FOR LAB USE ONLY MATRIX PRESERV SAMPLING

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chlorides	TPH 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :								
H501246	1	C	1			X				5-14-15	1:35	X	X	X			
	Spot composite / Excavation																

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Relinquished By: Kyle Schwaidt Date: 5-14-15 Received By: Special Services Date: 5/14/15

Relinquished By: Kyle Schwaidt Date: 4:05 Received By: Special Services Date: 4:05

Delivered By: (Circle One) Sample Condition Cool  Intact  Yes  No  No

Sampler - UPS - Bus - Other: 4:20 CHECKED BY: (initials)

Phone Result:  Yes  No  No Add'l Phone #: Add'l Fax #: email results: hconder@basineny.com; knorman@basineny.com; ikamp@basineny.com; mlores@basineny.com; lweinheimer@basineny.com; cursanic@basineny.com; sedwards@basineny.com; environmental tech: K Schwaidt@basineny

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476 #54