

**Analytical Results For:**

BTA Oil Producers  
CLAY TIPTON  
103 South Pecos  
Midland TX, 79701  
Fax To: (432) 683-0312

Received: 07/21/2016  
Reported: 07/26/2016  
Project Name: OGDEN GAS LILNE  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/21/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: #15 (H601633-15)**

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	07/23/2016	ND	2.13	107	2.00	1.06		
Toluene*	<0.050	0.050	07/23/2016	ND	2.18	109	2.00	0.999		
Ethylbenzene*	<0.050	0.050	07/23/2016	ND	2.08	104	2.00	1.24		
Total Xylenes*	<0.150	0.150	07/23/2016	ND	6.30	105	6.00	1.02		
Total BTEX	<0.300	0.300	07/23/2016	ND						

Surrogate: 4-Bromofluorobenzene (PIB) 104 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3200	16.0	07/22/2016	ND	400	100	400	0.00	QM-07	

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	07/22/2016	ND	174	87.0	200	7.80	
DRO >C10-C28	<10.0	10.0	07/22/2016	ND	177	88.4	200	9.00	

Surrogate: 1-Chlorooctane 85.6 % 35-147

Surrogate: 1-Chlorooctadecane 89.4 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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Sampling Date: 07/21/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: #16 (H601633-16)**

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	07/23/2016	ND	2.13	107	2.00	1.06		
Toluene*	<0.050	0.050	07/23/2016	ND	2.18	109	2.00	0.999		
Ethylbenzene*	<0.050	0.050	07/23/2016	ND	2.08	104	2.00	1.24		
Total Xylenes*	<0.150	0.150	07/23/2016	ND	6.30	105	6.00	1.02		
Total BTEX	<0.300	0.300	07/23/2016	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1680	16.0	07/22/2016	ND	400	100	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	07/22/2016	ND	174	87.0	200	7.80	
DRO >C10-C28	<10.0	10.0	07/22/2016	ND	177	88.4	200	9.00	

Surrogate: 1-Chlorooctane 86.8 % 35-147

Surrogate: 1-Chlorooctadecane 92.8 % 28-171

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Project Location: EDDY COUNTY, NM

Sampling Date: 07/21/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: #17 (H601633-17)**

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	07/23/2016	ND	2.13	107	2.00	1.06	
Toluene*	<0.050	0.050	07/23/2016	ND	2.18	109	2.00	0.999	
Ethylbenzene*	<0.050	0.050	07/23/2016	ND	2.08	104	2.00	1.24	
Total Xylenes*	<0.150	0.150	07/23/2016	ND	6.30	105	6.00	1.02	
Total BTEX	<0.300	0.300	07/23/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIB) 102 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	07/22/2016	ND	400	100	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	07/22/2016	ND	174	87.0	200	7.80	
DRO >C10-C28	<10.0	10.0	07/22/2016	ND	177	88.4	200	9.00	

Surrogate: 1-Chlorooctane 88.5 % 35-147

Surrogate: 1-Chlorooctadecane 88.9 % 28-171

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Project Name: OGDEN GAS LILNE  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/21/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: #18 (H601633-18)**

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	07/23/2016	ND	2.13	107	2.00	1.06	
Toluene*	<0.050	0.050	07/23/2016	ND	2.18	109	2.00	0.999	
Ethylbenzene*	<0.050	0.050	07/23/2016	ND	2.08	104	2.00	1.24	
Total Xylenes*	<0.150	0.150	07/23/2016	ND	6.30	105	6.00	1.02	
Total BTEX	<0.300	0.300	07/23/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4480	16.0	07/22/2016	ND	400	100	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	07/22/2016	ND	174	87.0	200	7.80	
DRO >C10-C28	<10.0	10.0	07/22/2016	ND	177	88.4	200	9.00	

Surrogate: 1-Chlorooctane 86.5 % 35-147

Surrogate: 1-Chlorooctadecane 93.1 % 28-171

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Project Number: NONE GIVEN  
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Sampling Date: 07/21/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: #19 (H601633-19)**

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	07/23/2016	ND	2.13	107	2.00	1.06		
Toluene*	<0.050	0.050	07/23/2016	ND	2.18	109	2.00	0.999		
Ethylbenzene*	<0.050	0.050	07/23/2016	ND	2.08	104	2.00	1.24		
Total Xylenes*	<0.150	0.150	07/23/2016	ND	6.30	105	6.00	1.02		
Total BTEX	<0.300	0.300	07/23/2016	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 105 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	07/22/2016	ND	400	100	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	07/22/2016	ND	174	87.0	200	7.80	
DRO >C10-C28	<10.0	10.0	07/22/2016	ND	177	88.4	200	9.00	

Surrogate: 1-Chlorooctane 79.2 % 35-147

Surrogate: 1-Chlorooctadecane 86.5 % 28-171

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Project Location: EDDY COUNTY, NM

Sampling Date: 07/21/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: #20 (H601633-20)**

BTX 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	07/23/2016	ND	2.13	107	2.00	1.06	
Toluene*	<0.050	0.050	07/23/2016	ND	2.18	109	2.00	0.999	
Ethylbenzene*	<0.050	0.050	07/23/2016	ND	2.08	104	2.00	1.24	
Total Xylenes*	<0.150	0.150	07/23/2016	ND	6.30	105	6.00	1.02	
Total BTX	<0.300	0.300	07/23/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 104 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	07/22/2016	ND	400	100	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	07/22/2016	ND	174	87.0	200	7.80	
DRO >C10-C28	26.9	10.0	07/22/2016	ND	177	88.4	200	9.00	

Surrogate: 1-Chlorooctane 88.5 % 35-147

Surrogate: 1-Chlorooctadecane 92.4 % 28-171

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 Sampling Date: 07/21/2016  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: #21 (H601633-21)**

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	07/25/2016	ND	2.13	107	2.00	1.06	
Toluene*	<b>0.068</b>	0.050	07/25/2016	ND	2.18	109	2.00	0.999	
Ethylbenzene*	<b>1.26</b>	0.050	07/25/2016	ND	2.08	104	2.00	1.24	
Total Xylenes*	<b>8.23</b>	0.150	07/25/2016	ND	6.30	105	6.00	1.02	
Total BTEX	<b>9.55</b>	0.300	07/25/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 114 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>4880</b>	16.0	07/22/2016	ND	400	100	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	<b>223</b>	10.0	07/22/2016	ND	174	87.0	200	7.80	
DRO >C10-C28	<b>736</b>	10.0	07/22/2016	ND	177	88.4	200	9.00	


Surrogate: 1-Chlorooctane 116 % 35-147

Surrogate: 1-Chlorooctadecane 102 % 28-171

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Sampling Date: 07/21/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: #22 (H601633-22)**

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	07/25/2016	ND	2.18	109	2.00	2.56	
Toluene*	<0.050	0.050	07/25/2016	ND	2.23	111	2.00	2.27	
<b>Ethylbenzene*</b>	<b>0.050</b>	0.050	07/25/2016	ND	2.14	107	2.00	2.04	
Total Xylenes*	<0.150	0.150	07/25/2016	ND	6.44	107	6.00	1.96	
Total BTEX	<0.300	0.300	07/25/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 73.6-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>320</b>	16.0	07/22/2016	ND	400	100	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	07/22/2016	ND	174	87.0	200	7.80	
DRO >C10-C28	<10.0	10.0	07/22/2016	ND	177	88.4	200	9.00	

Surrogate: 1-Chlorooctane 92.1 % 35-147

Surrogate: 1-Chlorooctadecane 99.3 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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

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Celey D. Keene, Lab Director/Quality Manager

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

<b>Company Name:</b> <u>ETA O'Flaherty</u> <b>Project Manager:</b> <u>ETA O'Flaherty</u> <b>Address:</b> _____ <b>City:</b> _____ <b>State:</b> _____ <b>Zip:</b> _____ <b>Phone #:</b> _____ <b>Fax #:</b> _____ <b>Project #:</b> _____ <b>Project Owner:</b> _____ <b>Project Name:</b> <u>Ogden Gas Line</u> <b>Project Location:</b> <u>Edady Co, NM</u> <b>Sample Name:</b> <u>Clay</u>		<b>Bill To</b> <b>P.O. #:</b> _____ <b>Company:</b> _____ <b>Attn:</b> _____ <b>Address:</b> _____ <b>City:</b> _____ <b>State:</b> _____ <b>Zip:</b> _____ <b>Phone #:</b> _____ <b>Fax #:</b> _____	
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Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	ANALYSIS REQUEST
#1001633	#1		1	GROUNDWATER			1/21/16	10:00	Cl
	#2		1	WASTEWATER					TPH
	#3		1	SOIL					BTEX
	#4		1	SOIL					
	#5		1	SLUDGE					
	#6		1	OTHER:					
	#7		1	ACID/BASE:					
	#8		1	ICE / COOL					
	#9		1	OTHER:					
	#10		1						

**Relinquished By:** [Signature] **Date:** 1/21/16 **Time:** 12:30

**Relinquished By:** [Signature] **Date:** 1/21/16 **Time:** 3:22

**Delivered By:** (Circle One)  
 Sampler - UPS - Bus - Other: \_\_\_\_\_

**Received By:** [Signature] **Date:** 1/21/16 **Time:** 10:00

**Sample Condition:**  
 Cool ☒ Intact ☒  
 Yes ☒ No ☐

**CHECKED BY:** [Signature]

**REMARKS:** Ogden Gas Line  
ETA O'Flaherty  
ETA O'Flaherty

+ Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2926







CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: **STA**

Project Manager:

Address:

City:

State: Zip:

Phone #:

Fax #:

Project #:

Project Owner:

Project Name:

Project Location:

Sample Name:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

HL001633  
#21  
#22

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

7/21/16 11:00

CO  
TPH  
BTEX

BILL TO

ANALYSIS REQUEST

P.O. #:

Company:

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

PRESERV

SAMPLING

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Relinquished By:

Date: 7/21/16

Received By: [Signature]

Phone Result: ☐ Yes ☐ No Add'l Phone #:  
Fax Result: ☐ Yes ☐ No Add'l Fax #:

Relinquished By:

Date:

Received By:

Time:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

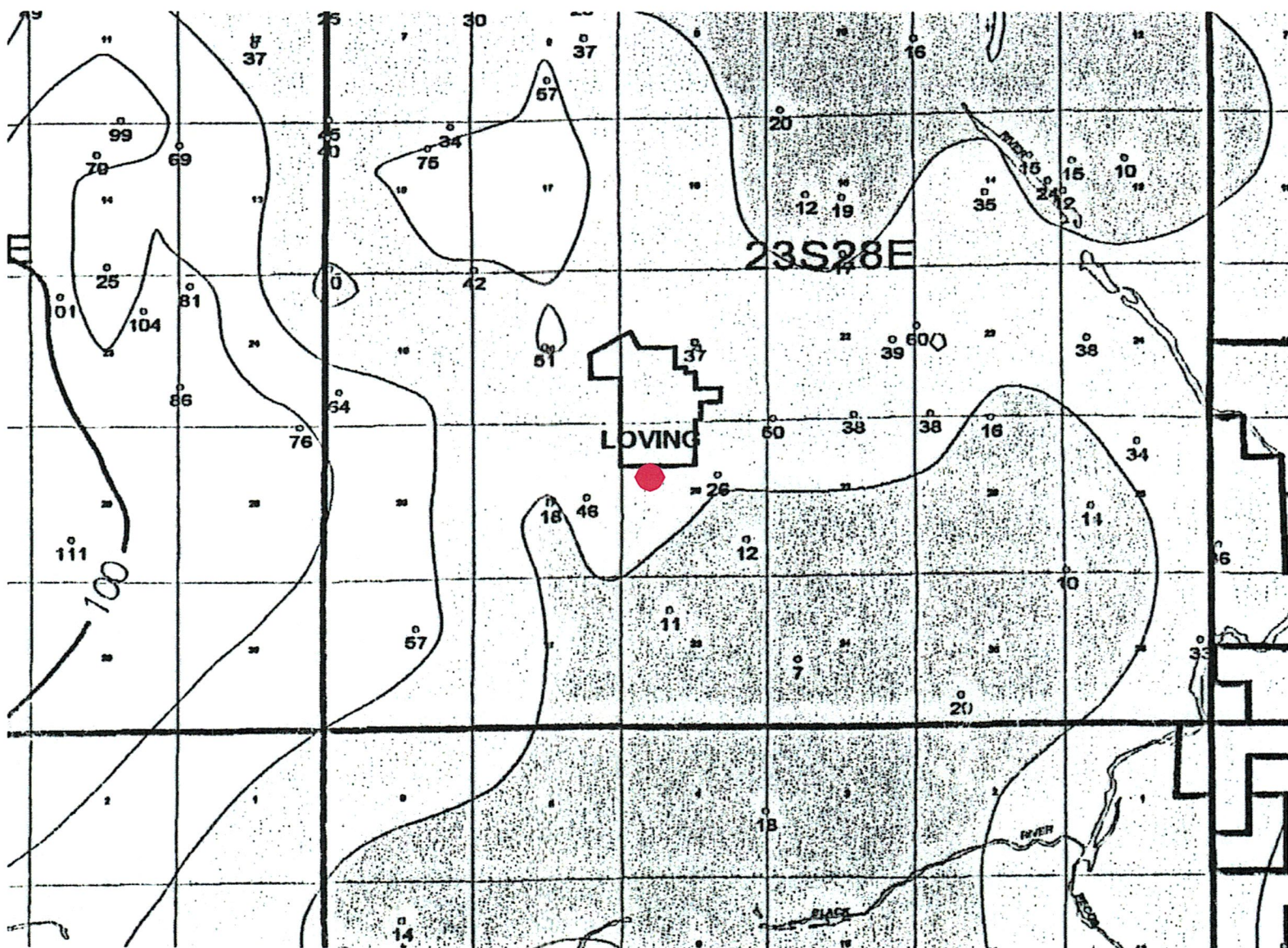
3.22

Sample Condition  
Cool ☒ Intact ☒  
Yes ☒ No ☐

CHECKED BY: [Signature]

# Exhibit C





# Exhibit D



OGDEN GAS LINE AR

- Legend
- EXCAVATED LINE
  - RELEASE AREA
  - SAMPLE POINTS





# Exhibit E

October 14, 2016

TODD ROBERSON

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: BTA OGDEN PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 10/13/16 16:00.

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,



Celey D. Keene

Lab Director/Quality Manager

---

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 TODD ROBERSON  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	10/13/2016	Sampling Date:	10/13/2016
Reported:	10/14/2016	Sampling Type:	Soil
Project Name:	BTA OGDEN PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVING, NM		

**Sample ID: SP 1 0' (H602312-01)**

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2016	ND	2.35	118	2.00	0.427	
Toluene*	<0.050	0.050	10/13/2016	ND	2.44	122	2.00	0.401	
Ethylbenzene*	<0.050	0.050	10/13/2016	ND	2.37	118	2.00	0.470	
Total Xylenes*	<0.150	0.150	10/13/2016	ND	7.18	120	6.00	0.363	
Total BTEX	<0.300	0.300	10/13/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 98.6 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8260	16.0	10/14/2016	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/14/2016	ND	179	89.3	200	0.820	
DRO >C10-C28	<10.0	10.0	10/14/2016	ND	189	94.3	200	0.995	

Surrogate: 1-Chlorooctane 81.0 % 35-147

Surrogate: 1-Chlorooctadecane 85.7 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
TODD ROBERSON  
P. O. BOX 2587  
HOBBS NM, 88241  
Fax To: NONE

Received: 10/13/2016  
Reported: 10/14/2016  
Project Name: BTA OGDEN PIPELINE  
Project Number: NONE GIVEN  
Project Location: LOVING, NM

Sampling Date: 10/13/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 1' (H602312-02)**

BTEx 8021B			mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/13/2016	ND	2.35	118	2.00	0.427		
Toluene*	<0.050	0.050	10/13/2016	ND	2.44	122	2.00	0.401		
Ethylbenzene*	<0.050	0.050	10/13/2016	ND	2.37	118	2.00	0.470		
Total Xylenes*	<0.150	0.150	10/13/2016	ND	7.18	120	6.00	0.363		
Total BTEX	<0.300	0.300	10/13/2016	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 100 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	10/14/2016	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/14/2016	ND	179	89.3	200	0.820	
DRO >C10-C28	<10.0	10.0	10/14/2016	ND	189	94.3	200	0.995	


Surrogate: 1-Chlorooctane 97.3 % 35-147

Surrogate: 1-Chlorooctadecane 110 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
TODD ROBERSON  
P. O. BOX 2587  
HOBBS NM, 88241  
Fax To: NONE

Received: 10/13/2016  
Reported: 10/14/2016  
Project Name: BTA OGDEN PIPELINE  
Project Number: NONE GIVEN  
Project Location: LOVING, NM

Sampling Date: 10/13/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 0' (H602312-03)**

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/14/2016	ND	2.35	118	2.00	0.427	
Toluene*	<0.050	0.050	10/14/2016	ND	2.44	122	2.00	0.401	
Ethylbenzene*	<0.050	0.050	10/14/2016	ND	2.37	118	2.00	0.470	
Total Xylenes*	<0.150	0.150	10/14/2016	ND	7.18	120	6.00	0.363	
Total BTEX	<0.300	0.300	10/14/2016	ND					

Surrogate: 4-Bromofluorobenzene (PII) 98.8 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	10/14/2016	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/14/2016	ND	179	89.3	200	0.820	
DRO >C10-C28	<10.0	10.0	10/14/2016	ND	189	94.3	200	0.995	

Surrogate: 1-Chlorooctane 99.1 % 35-147

Surrogate: 1-Chlorooctadecane 108 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
TODD ROBERSON  
P. O. BOX 2587  
HOBBS NM, 88241  
Fax To: NONE

Received: 10/13/2016  
Reported: 10/14/2016  
Project Name: BTA OGDEN PIPELINE  
Project Number: NONE GIVEN  
Project Location: LOVING, NM

Sampling Date: 10/13/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 1' (H602312-04)**

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/14/2016	ND	2.35	118	2.00	0.427	
Toluene*	<0.050	0.050	10/14/2016	ND	2.44	122	2.00	0.401	
Ethylbenzene*	<0.050	0.050	10/14/2016	ND	2.37	118	2.00	0.470	
Total Xylenes*	<0.150	0.150	10/14/2016	ND	7.18	120	6.00	0.363	
Total BTEX	<0.300	0.300	10/14/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 99.2 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	10/14/2016	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/14/2016	ND	179	89.3	200	0.820	
DRO >C10-C28	<10.0	10.0	10/14/2016	ND	189	94.3	200	0.995	


Surrogate: 1-Chlorooctane 104 % 35-147

Surrogate: 1-Chlorooctadecane 106 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
TODD ROBERSON  
P. O. BOX 2587  
HOBBS NM, 88241  
Fax To: NONE

Received: 10/13/2016  
Reported: 10/14/2016  
Project Name: BTA OGDEN PIPELINE  
Project Number: NONE GIVEN  
Project Location: LOVING, NM

Sampling Date: 10/13/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 0' (H602312-05)**

BTEX 8021B			mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2016	ND	2.35	118	2.00	0.427		
Toluene*	<0.050	0.050	10/14/2016	ND	2.44	122	2.00	0.401		
Ethylbenzene*	<0.050	0.050	10/14/2016	ND	2.37	118	2.00	0.470		
Total Xylenes*	<0.150	0.150	10/14/2016	ND	7.18	120	6.00	0.363		
Total BTEX	<0.300	0.300	10/14/2016	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 98.8 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/14/2016	ND	400	100	400	0.00	

TPH 8015M			mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	10/14/2016	ND	179	89.3	200	0.820		
DRO >C10-C28	<10.0	10.0	10/14/2016	ND	189	94.3	200	0.995		

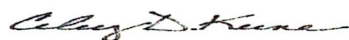
Surrogate: 1-Chlorooctane 89.5 % 35-147

Surrogate: 1-Chlorooctadecane 89.6 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
TODD ROBERSON  
P. O. BOX 2587  
HOBBS NM, 88241  
Fax To: NONE

Received: 10/13/2016  
Reported: 10/14/2016  
Project Name: BTA OGDEN PIPELINE  
Project Number: NONE GIVEN  
Project Location: LOVING, NM

Sampling Date: 10/13/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 4 0' (H602312-06)**

BTEx 8021B			mg/kg							
			Analyzed By: CK							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2016	ND	2.35	118	2.00	0.427		
Toluene*	<0.050	0.050	10/14/2016	ND	2.44	122	2.00	0.401		
Ethylbenzene*	<0.050	0.050	10/14/2016	ND	2.37	118	2.00	0.470		
Total Xylenes*	<0.150	0.150	10/14/2016	ND	7.18	120	6.00	0.363		
Total BTEx	<0.300	0.300	10/14/2016	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 98.6 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	10/14/2016	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/14/2016	ND	179	89.3	200	0.820	
DRO >C10-C28	<10.0	10.0	10/14/2016	ND	189	94.3	200	0.995	

Surrogate: 1-Chlorooctane 79.6 % 35-147

Surrogate: 1-Chlorooctadecane 82.8 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
TODD ROBERSON  
P. O. BOX 2587  
HOBBS NM, 88241  
Fax To: NONE

Received: 10/13/2016  
Reported: 10/14/2016  
Project Name: BTA OGDEN PIPELINE  
Project Number: NONE GIVEN  
Project Location: LOVING, NM

Sampling Date: 10/13/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 4 2' (H602312-07)**

BTEX 8021B			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/14/2016	ND	2.35	118	2.00	0.427	
Toluene*	<0.050	0.050	10/14/2016	ND	2.44	122	2.00	0.401	
Ethylbenzene*	<0.050	0.050	10/14/2016	ND	2.37	118	2.00	0.470	
Total Xylenes*	<0.150	0.150	10/14/2016	ND	7.18	120	6.00	0.363	
Total BTEX	<0.300	0.300	10/14/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 99.9 % 73.6-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	10/14/2016	ND	400	100	400	0.00	

TPH 8015M			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/14/2016	ND	179	89.3	200	0.820	
DRO >C10-C28	<10.0	10.0	10/14/2016	ND	189	94.3	200	0.995	

Surrogate: 1-Chlorooctane 97.1 % 35-147

Surrogate: 1-Chlorooctadecane 97.8 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
TODD ROBERSON  
P. O. BOX 2587  
HOBBS NM, 88241  
Fax To: NONE

Received: 10/13/2016  
Reported: 10/14/2016  
Project Name: BTA OGDEN PIPELINE  
Project Number: NONE GIVEN  
Project Location: LOVING, NM

Sampling Date: 10/13/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 4 4' (H602312-08)**

BTEX 8021B			mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2016	ND	2.35	118	2.00	0.427		
Toluene*	<0.050	0.050	10/14/2016	ND	2.44	122	2.00	0.401		
Ethylbenzene*	<0.050	0.050	10/14/2016	ND	2.37	118	2.00	0.470		
Total Xylenes*	<0.150	0.150	10/14/2016	ND	7.18	120	6.00	0.363		
Total BTEX	<0.300	0.300	10/14/2016	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 99.6 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	10/14/2016	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/14/2016	ND	179	89.3	200	0.820	
DRO >C10-C28	<10.0	10.0	10/14/2016	ND	189	94.3	200	0.995	


Surrogate: 1-Chlorooctane 98.1 % 35-147

Surrogate: 1-Chlorooctadecane 107 % 28-171

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager