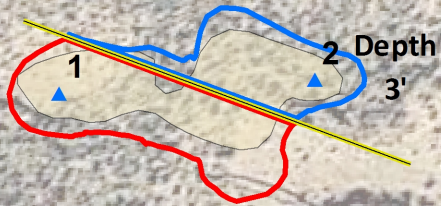


Initial Sampling Data

Vertical 1									
Depth	CI-	PID	GRO	DRO	B	T	E	X	Total
3'	1457	171.8							
3.5'	953	1810							
4'	294	2801							
4.5'	271	1210							
5'	128	945	408	2420	<0.05	7.4	5.47	13.5	26.7
5.5'	<16	21.2	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3



Vertical 2									
Depth	CI-	PID	GRO	DRO	B	T	E	X	Total
3'	<16	78.2	<10	67.6	<0.05	<0.05	<0.056	0.214	<0.3

Legend

- ▲ SAMPLE POINT
- WELLHEAD
- STEEL FLOW LINE
- EXCAVATION @ 3 FT
- EXCAVATION @ 5.5 FT
- STAIN (1,000 sq ft)

CI- FIELD DATA
CI- LAB DATA

Landowner: BLM
DGW: 82 ft



CONOCOPHILLIPS
MCA #173

1RP-3646

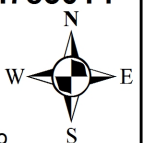
UL I SECTION 29
T-17-S R-32-E
LEA COUNTY, NM

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

GPS: 32.804112 -103.783014

0 25 50
Feet

Drawing date: 2/29/16
Drafted by: L. Weinheimer, T. Grieco



February 26, 2016

KYLE NORMAN

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: MCA #173

Enclosed are the results of analyses for samples received by the laboratory on 02/25/16 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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.

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 Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 02/25/2016
Reported: 02/26/2016
Project Name: MCA #173
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 02/17/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 1 @ 5' (H600427-01)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/26/2016	ND	2.06	103	2.00	0.0598	
Toluene*	7.48	0.050	02/26/2016	ND	2.03	101	2.00	0.159	
Ethylbenzene*	5.47	0.050	02/26/2016	ND	1.82	90.8	2.00	0.254	
Total Xylenes*	13.5	0.150	02/26/2016	ND	5.58	92.9	6.00	0.718	
Total BTX	26.4	0.300	02/26/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 178 % 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	128	16.0	02/26/2016	ND	448	112	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	408	50.0	02/26/2016	ND	198	98.8	200	7.73	
DRO >C10-C28	2420	50.0	02/26/2016	ND	208	104	200	14.9	

Surrogate: 1-Chlorooctane 134 % 35-147

Surrogate: 1-Chlorooctadecane 133 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 02/25/2016
Reported: 02/26/2016
Project Name: MCA #173
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 02/17/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 2 @ 3' (H600427-02)

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	02/26/2016	ND	2.06	103	2.00	0.0598	
Toluene*	<0.050	0.050	02/26/2016	ND	2.03	101	2.00	0.159	
Ethylbenzene*	0.056	0.050	02/26/2016	ND	1.82	90.8	2.00	0.254	
Total Xylenes*	0.214	0.150	02/26/2016	ND	5.58	92.9	6.00	0.718	
Total BTEx	<0.300	0.300	02/26/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	<16.0	16.0	02/26/2016	ND	448	112	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	02/26/2016	ND	198	98.8	200	7.73	
DRO >C10-C28	67.6	10.0	02/26/2016	ND	208	104	200	14.9	

Surrogate: 1-Chlorooctane 101 % 35-147

Surrogate: 1-Chlorooctadecane 110 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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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.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

March 30, 2016

KYLE NORMAN

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: MCA #173

Enclosed are the results of analyses for samples received by the laboratory on 03/29/16 14:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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.

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". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

Basin Environmental Service
KYLE NORMAN
P.O. Box 301
Lovington NM, 88260
Fax To: (575) 396-1429

Received: 03/29/2016
Reported: 03/30/2016
Project Name: MCA #173
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 03/28/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 1 @ 5.5' (H600658-01)

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	03/29/2016	ND	2.07	104	2.00	5.25	
Toluene*	<0.050	0.050	03/29/2016	ND	1.96	97.8	2.00	7.05	
Ethylbenzene*	<0.050	0.050	03/29/2016	ND	1.72	85.9	2.00	8.63	
Total Xylenes*	<0.150	0.150	03/29/2016	ND	5.28	87.9	6.00	8.62	
Total BTX	<0.300	0.300	03/29/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	<16.0	16.0	03/30/2016	ND	400	100	400	7.69	

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	03/30/2016	ND	176	88.2	200	6.12	
DRO >C10-C28	<10.0	10.0	03/30/2016	ND	166	83.1	200	12.3	

Surrogate: 1-Chlorooctane 80.2 % 35-147

Surrogate: 1-Chlorooctadecane 92.4 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

Phone Result:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Add'l Phone #:
Fax Result:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Add'l Fax #:
REMARKS:			

email results:
knorman@basinerv.com; jkamlplain@basinerv;

#54