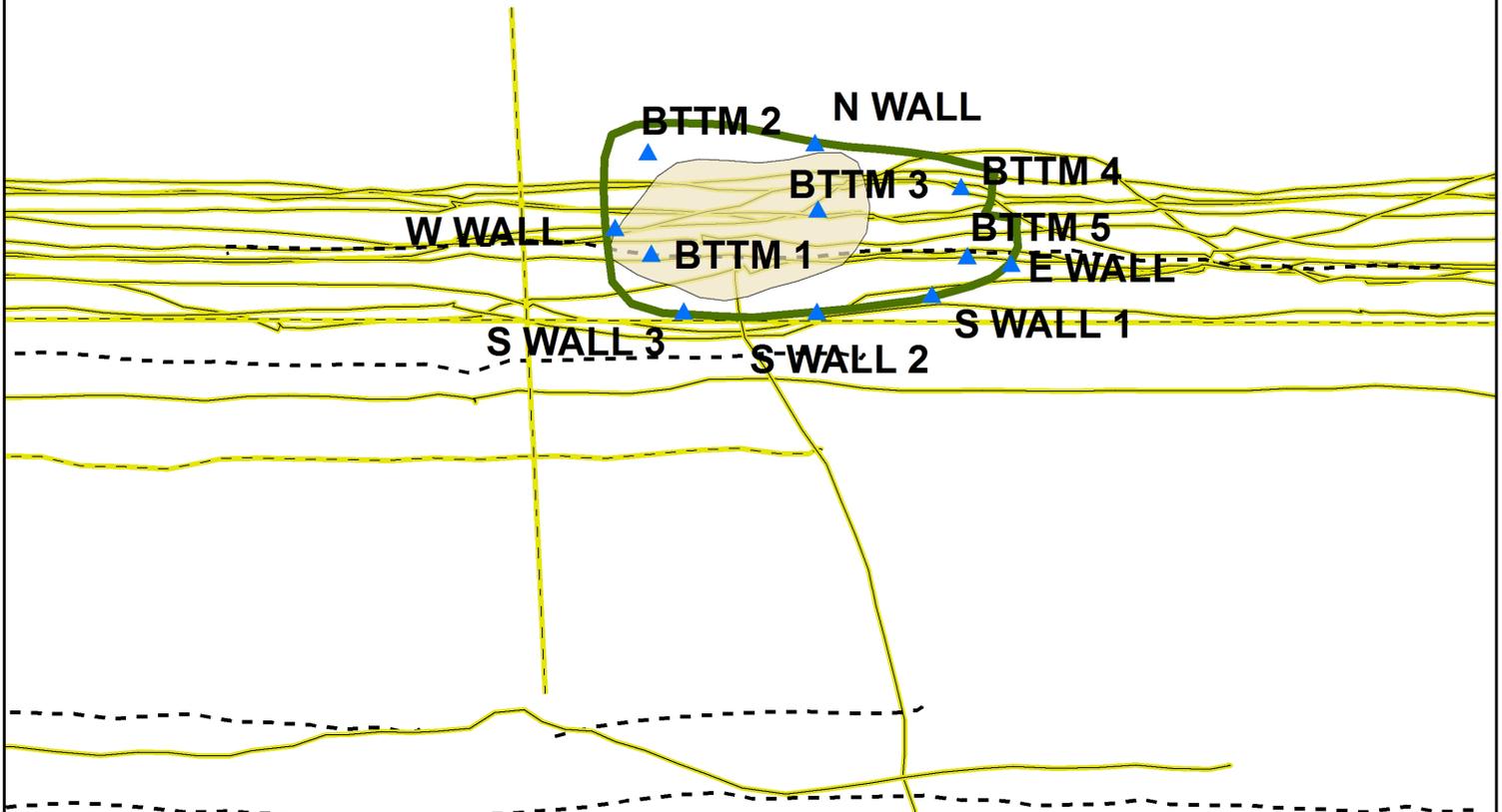


Excavation Data

WALL SAMPLES

	CI-	PID	GRO	DRO	B	T	E	X	BTEX
North Wall	<16	10.8	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
East Wall	<16	6.3	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
West Wall	128	1.8	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
South Wall 1	<16	1.2							
South Wall 2	1460	5.7	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
South Wall 3	464	2							



BOTTOM SAMPLES

	CI-	PID
Bottom 1	2566	4.3
Bottom 2	10115	1.2
Bottom 3	14824	1.8
Bottom 4	1789	6.3
Bottom 5	2545	1.9

Legend

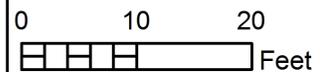
- ▲ SAMPLE POINT
- EXCAVATION TO 4 FT
- STAIN 218 SQ FT
- BURIED PIPELINE
- LINEFINDER HIT
- SURFACE PIPELINE

Landowner: BLM
DGW: None

CI- FIELD DATA
CI- LAB DATA

APACHE RANDY FEDERAL WATER STATION

UL G SECTION 22
T-17-S R-30-E
EDDY COUNTY, NM



GPS date: 7/11/14 KH
Drawing date: 7/17/14
Drafted by: L. Weinheimer





July 16, 2014

BRUCE BAKER
APACHE - EUNICE
P. O. BOX 1849
EUNICE, NM 88231

RE: RANDY FED. WATER STATION

Enclosed are the results of analyses for samples received by the laboratory on 07/11/14 9:29.

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.

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:

 APACHE - EUNICE
 BRUCE BAKER
 P. O. BOX 1849
 EUNICE NM, 88231
 Fax To: 394-2425

Received:	07/11/2014	Sampling Date:	07/10/2014
Reported:	07/16/2014	Sampling Type:	Soil
Project Name:	RANDY FED. WATER STATION	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	NOT GIVEN		

Sample ID: NORTH WALL (H402104-01)

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	07/16/2014	ND	2.12	106	2.00	2.86	
Toluene*	<0.050	0.050	07/16/2014	ND	2.12	106	2.00	2.97	
Ethylbenzene*	<0.050	0.050	07/16/2014	ND	2.20	110	2.00	2.85	
Total Xylenes*	<0.150	0.150	07/16/2014	ND	6.62	110	6.00	2.45	
Total BTEX	<0.300	0.300	07/16/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 89.4-126

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	07/14/2014	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	07/14/2014	ND	182	91.0	200	1.59	
DRO >C10-C28	<10.0	10.0	07/14/2014	ND	201	100	200	1.48	

Surrogate: 1-Chlorooctane 112 % 65.2-140
Surrogate: 1-Chlorooctadecane 113 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 APACHE - EUNICE
 BRUCE BAKER
 P. O. BOX 1849
 EUNICE NM, 88231
 Fax To: 394-2425

Received:	07/11/2014	Sampling Date:	07/10/2014
Reported:	07/16/2014	Sampling Type:	Soil
Project Name:	RANDY FED. WATER STATION	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	NOT GIVEN		

Sample ID: EAST WALL (H402104-02)

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	07/16/2014	ND	2.12	106	2.00	2.86		
Toluene*	<0.050	0.050	07/16/2014	ND	2.12	106	2.00	2.97		
Ethylbenzene*	<0.050	0.050	07/16/2014	ND	2.20	110	2.00	2.85		
Total Xylenes*	<0.150	0.150	07/16/2014	ND	6.62	110	6.00	2.45		
Total BTEX	<0.300	0.300	07/16/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 89.4-126

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	07/14/2014	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	07/14/2014	ND	182	91.0	200	1.59		
DRO >C10-C28	<10.0	10.0	07/14/2014	ND	201	100	200	1.48		

Surrogate: 1-Chlorooctane 112 % 65.2-140

Surrogate: 1-Chlorooctadecane 114 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 APACHE - EUNICE
 BRUCE BAKER
 P. O. BOX 1849
 EUNICE NM, 88231
 Fax To: 394-2425

Received:	07/11/2014	Sampling Date:	07/10/2014
Reported:	07/16/2014	Sampling Type:	Soil
Project Name:	RANDY FED. WATER STATION	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	NOT GIVEN		

Sample ID: WEST WALL (H402104-03)

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	07/16/2014	ND	2.12	106	2.00	2.86	
Toluene*	<0.050	0.050	07/16/2014	ND	2.12	106	2.00	2.97	
Ethylbenzene*	<0.050	0.050	07/16/2014	ND	2.20	110	2.00	2.85	
Total Xylenes*	<0.150	0.150	07/16/2014	ND	6.62	110	6.00	2.45	
Total BTEX	<0.300	0.300	07/16/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/14/2014	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	07/14/2014	ND	182	91.0	200	1.59	
DRO >C10-C28	<10.0	10.0	07/14/2014	ND	201	100	200	1.48	

Surrogate: 1-Chlorooctane 120 % 65.2-140

Surrogate: 1-Chlorooctadecane 124 % 63.6-154

Sample ID: SOUTH WALL 1 (H402104-04)

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	07/14/2014	ND	400	100	400	3.92	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 APACHE - EUNICE
 BRUCE BAKER
 P. O. BOX 1849
 EUNICE NM, 88231
 Fax To: 394-2425

Received:	07/11/2014	Sampling Date:	07/10/2014
Reported:	07/16/2014	Sampling Type:	Soil
Project Name:	RANDY FED. WATER STATION	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	NOT GIVEN		

Sample ID: SOUTH WALL 2 (H402104-05)

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	07/16/2014	ND	2.12	106	2.00	2.86	
Toluene*	<0.050	0.050	07/16/2014	ND	2.12	106	2.00	2.97	
Ethylbenzene*	<0.050	0.050	07/16/2014	ND	2.20	110	2.00	2.85	
Total Xylenes*	<0.150	0.150	07/16/2014	ND	6.62	110	6.00	2.45	
Total BTEX	<0.300	0.300	07/16/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1460	16.0	07/14/2014	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	07/14/2014	ND	182	91.0	200	1.59	
DRO >C10-C28	<10.0	10.0	07/14/2014	ND	201	100	200	1.48	

Surrogate: 1-Chlorooctane 117 % 65.2-140

Surrogate: 1-Chlorooctadecane 118 % 63.6-154

Sample ID: SOUTH WALL 3 (H402104-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	07/14/2014	ND	400	100	400	3.92	

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*=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



Celey D. Keene, Lab Director/Quality Manager

