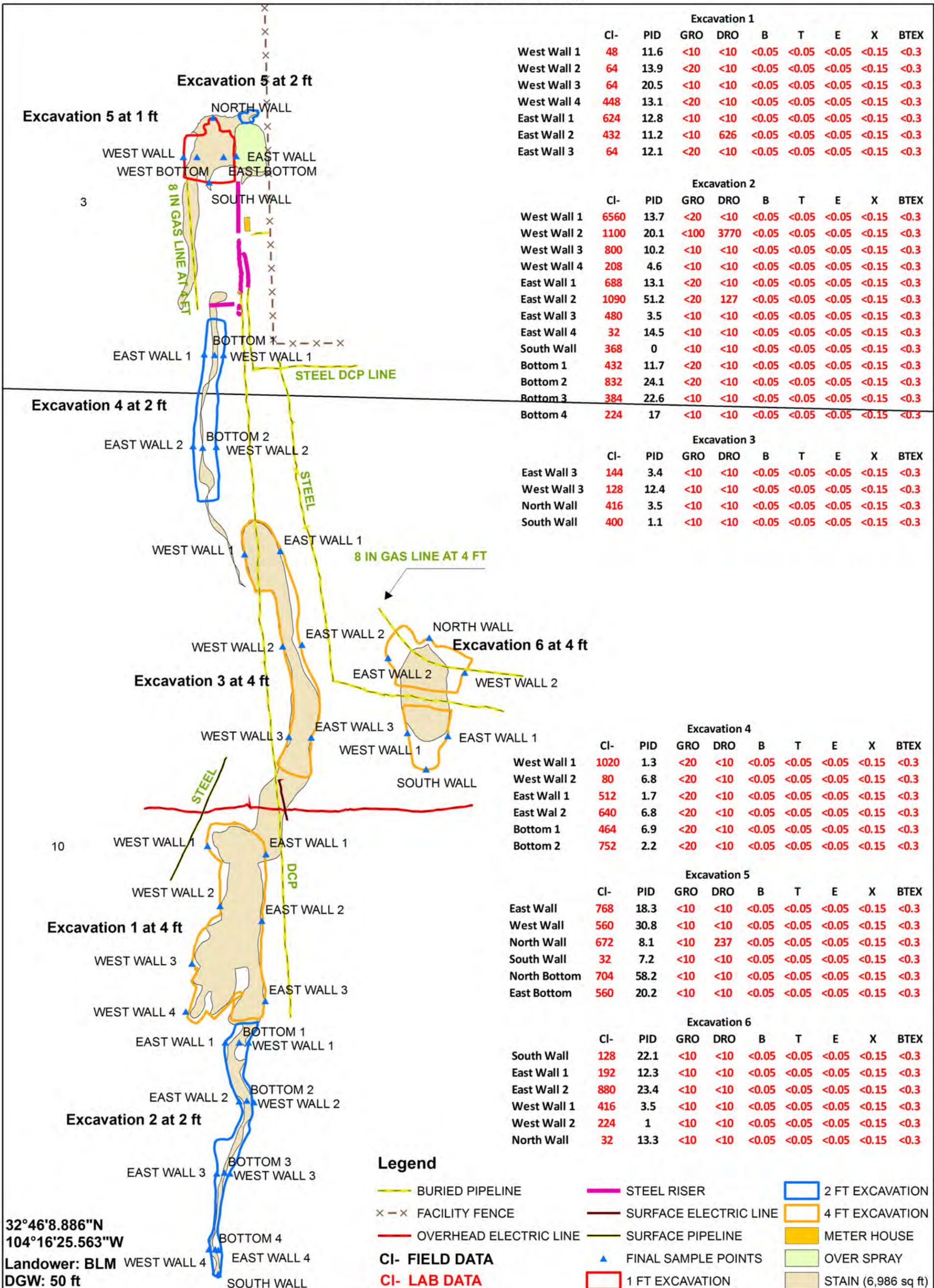


Excavation Data



		Excavation 1								
	CI-	PID	GRO	DRO	B	T	E	X	BTEX	
West Wall 1	48	11.6	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
West Wall 2	64	13.9	<20	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
West Wall 3	64	20.5	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
West Wall 4	448	13.1	<20	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
East Wall 1	624	12.8	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
East Wall 2	432	11.2	<10	626	<0.05	<0.05	<0.05	<0.15	<0.3	
East Wall 3	64	12.1	<20	<10	<0.05	<0.05	<0.05	<0.15	<0.3	

		Excavation 2								
	CI-	PID	GRO	DRO	B	T	E	X	BTEX	
West Wall 1	6560	13.7	<20	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
West Wall 2	1100	20.1	<100	3770	<0.05	<0.05	<0.05	<0.15	<0.3	
West Wall 3	800	10.2	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
West Wall 4	208	4.6	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
East Wall 1	688	13.1	<20	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
East Wall 2	1090	51.2	<20	127	<0.05	<0.05	<0.05	<0.15	<0.3	
East Wall 3	480	3.5	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
East Wall 4	32	14.5	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
South Wall	368	0	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
Bottom 1	432	11.7	<20	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
Bottom 2	832	24.1	<20	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
Bottom 3	384	22.6	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
Bottom 4	224	17	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3	

		Excavation 3								
	CI-	PID	GRO	DRO	B	T	E	X	BTEX	
East Wall 3	144	3.4	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
West Wall 3	128	12.4	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
North Wall	416	3.5	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
South Wall	400	1.1	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3	

		Excavation 4								
	CI-	PID	GRO	DRO	B	T	E	X	BTEX	
West Wall 1	1020	1.3	<20	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
West Wall 2	80	6.8	<20	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
East Wall 1	512	1.7	<20	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
East Wall 2	640	6.8	<20	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
Bottom 1	464	6.9	<20	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
Bottom 2	752	2.2	<20	<10	<0.05	<0.05	<0.05	<0.15	<0.3	

		Excavation 5								
	CI-	PID	GRO	DRO	B	T	E	X	BTEX	
East Wall	768	18.3	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
West Wall	560	30.8	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
North Wall	672	8.1	<10	237	<0.05	<0.05	<0.05	<0.15	<0.3	
South Wall	32	7.2	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
North Bottom	704	58.2	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
East Bottom	560	20.2	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3	

		Excavation 6								
	CI-	PID	GRO	DRO	B	T	E	X	BTEX	
South Wall	128	22.1	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
East Wall 1	192	12.3	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
East Wall 2	880	23.4	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
West Wall 1	416	3.5	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
West Wall 2	224	1	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3	
North Wall	32	13.3	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3	

32°46'8.886"N
104°16'25.563"W
Landowner: BLM
DGW: 50 ft

APACHE EMPIRE
ABO UNIT #08

LEGALS: UL/M sec. 3
UL/ D sec. 10
T-18-S R-27E

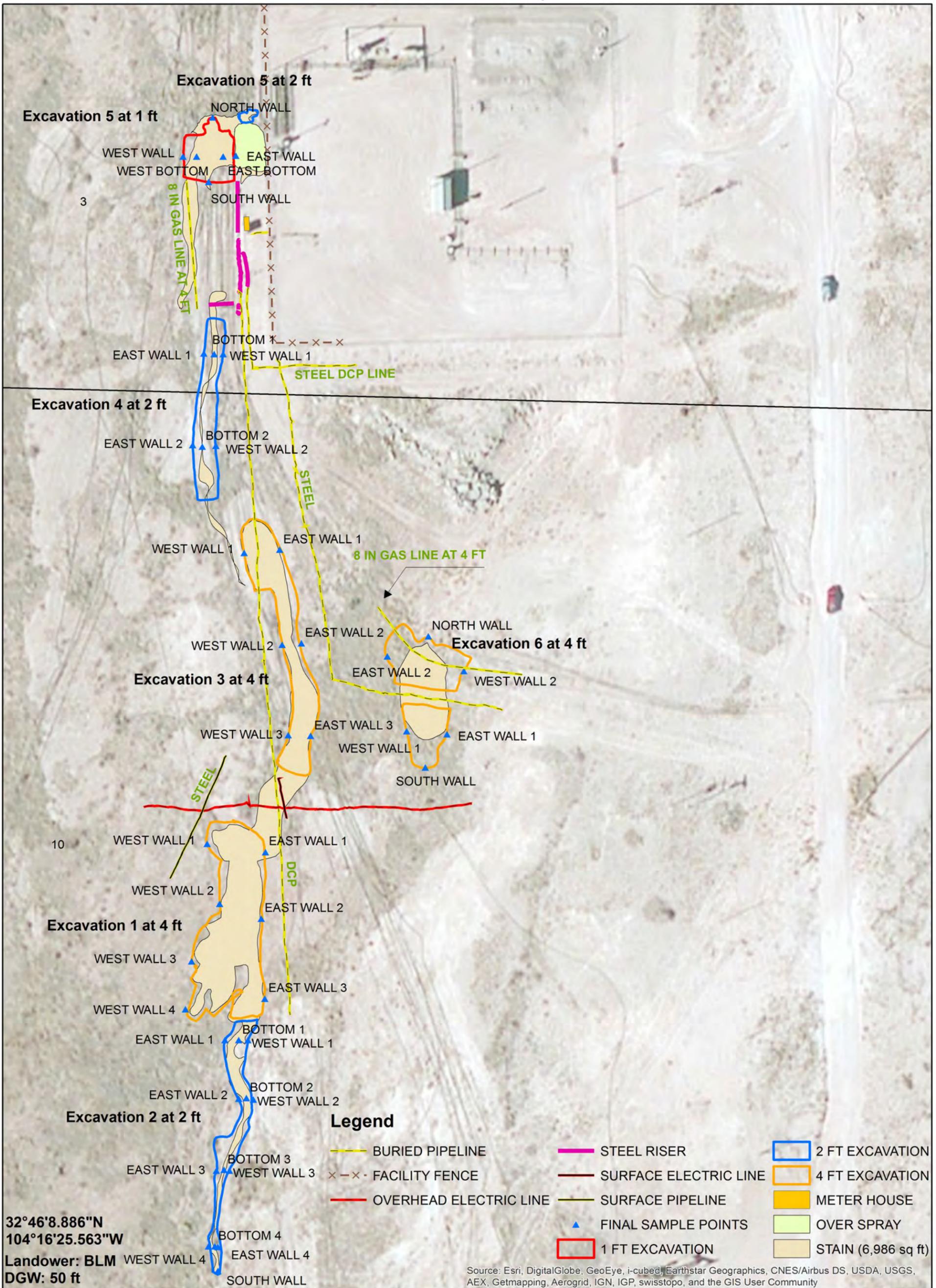


0 50 100
Feet

GPS date: 8/14/14 KH
Drawing date: 9/2/14
Drafted by: L. Weinheimer

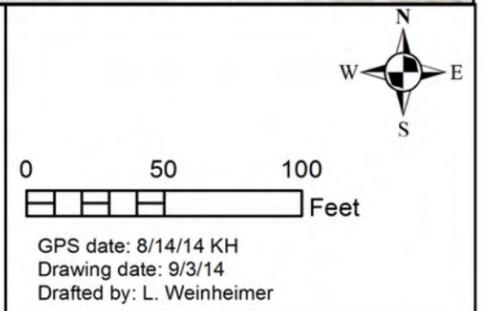


Final Site Map



**APACHE EMPIRE
 ABO UNIT #08**

LEGALS: UL/M sec. 3
 UL/ D sec. 10
 T-18-S R-27E



August 06, 2014

LAURA FLORES

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: EMPIRE ABO #08

Enclosed are the results of analyses for samples received by the laboratory on 08/01/14 12:00.

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,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 LAURA FLORES
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	08/01/2014	Sampling Date:	07/30/2014
Reported:	08/06/2014	Sampling Type:	Soil
Project Name:	EMPIRE ABO #08	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC 2 WEST WALL 1 (H402369-01)

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	08/04/2014	ND	1.65	82.7	2.00	8.41	
Toluene*	<0.050	0.050	08/04/2014	ND	1.68	84.1	2.00	7.43	
Ethylbenzene*	<0.050	0.050	08/04/2014	ND	1.66	83.0	2.00	7.40	
Total Xylenes*	<0.150	0.150	08/04/2014	ND	5.18	86.4	6.00	7.49	
Total BTEX	<0.300	0.300	08/04/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6560	16.0	08/05/2014	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	<20.0	20.0	08/04/2014	10.1	199	99.4	200	1.66	
DRO >C10-C28	<10.0	10.0	08/04/2014	ND	212	106	200	2.11	

Surrogate: 1-Chlorooctane 98.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 LAURA FLORES
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	08/01/2014	Sampling Date:	07/30/2014
Reported:	08/06/2014	Sampling Type:	Soil
Project Name:	EMPIRE ABO #08	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC 2 WEST WALL 2 (H402369-02)

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	08/04/2014	ND	1.65	82.7	2.00	8.41		
Toluene*	<0.050	0.050	08/04/2014	ND	1.68	84.1	2.00	7.43		
Ethylbenzene*	<0.050	0.050	08/04/2014	ND	1.66	83.0	2.00	7.40		
Total Xylenes*	<0.150	0.150	08/04/2014	ND	5.18	86.4	6.00	7.49		
Total BTEX	<0.300	0.300	08/04/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1100	16.0	08/05/2014	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<100	100	08/04/2014	10.1	199	99.4	200	1.66			
DRO >C10-C28	3770	50.0	08/04/2014	ND	212	106	200	2.11			

Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 174 % 63.6-154

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Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 LAURA FLORES
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	08/01/2014	Sampling Date:	07/30/2014
Reported:	08/06/2014	Sampling Type:	Soil
Project Name:	EMPIRE ABO #08	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC 2 EAST WALL 1 (H402369-03)

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	08/04/2014	ND	1.65	82.7	2.00	8.41		
Toluene*	<0.050	0.050	08/04/2014	ND	1.68	84.1	2.00	7.43		
Ethylbenzene*	<0.050	0.050	08/04/2014	ND	1.66	83.0	2.00	7.40		
Total Xylenes*	<0.150	0.150	08/04/2014	ND	5.18	86.4	6.00	7.49		
Total BTEX	<0.300	0.300	08/04/2014	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	08/05/2014	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	<20.0	20.0	08/04/2014	10.1	199	99.4	200	1.66		
DRO >C10-C28	<10.0	10.0	08/04/2014	ND	212	106	200	2.11		

Surrogate: 1-Chlorooctane 90.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 90.8 % 63.6-154

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Analytical Results For:

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 LAURA FLORES
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	08/01/2014	Sampling Date:	07/30/2014
Reported:	08/06/2014	Sampling Type:	Soil
Project Name:	EMPIRE ABO #08	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC 2 EAST WALL 2 (H402369-04)

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	08/04/2014	ND	1.65	82.7	2.00	8.41		
Toluene*	<0.050	0.050	08/04/2014	ND	1.68	84.1	2.00	7.43		
Ethylbenzene*	<0.050	0.050	08/04/2014	ND	1.66	83.0	2.00	7.40		
Total Xylenes*	<0.150	0.150	08/04/2014	ND	5.18	86.4	6.00	7.49		
Total BTEX	<0.300	0.300	08/04/2014	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1090	16.0	08/05/2014	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	<20.0	20.0	08/04/2014	10.1	199	99.4	200	1.66		
DRO >C10-C28	127	10.0	08/04/2014	ND	212	106	200	2.11		

Surrogate: 1-Chlorooctane 88.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.4 % 63.6-154

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 LAURA FLORES
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	08/01/2014	Sampling Date:	07/30/2014
Reported:	08/06/2014	Sampling Type:	Soil
Project Name:	EMPIRE ABO #08	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC 2 BOTTOM 1 (H402369-05)

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	08/04/2014	ND	1.65	82.7	2.00	8.41		
Toluene*	<0.050	0.050	08/04/2014	ND	1.68	84.1	2.00	7.43		
Ethylbenzene*	<0.050	0.050	08/04/2014	ND	1.66	83.0	2.00	7.40		
Total Xylenes*	<0.150	0.150	08/04/2014	ND	5.18	86.4	6.00	7.49		
Total BTEX	<0.300	0.300	08/04/2014	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	08/05/2014	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	<20.0	20.0	08/04/2014	10.1	199	99.4	200	1.66		
DRO >C10-C28	<10.0	10.0	08/04/2014	ND	212	106	200	2.11		

Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 LAURA FLORES
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	08/01/2014	Sampling Date:	07/30/2014
Reported:	08/06/2014	Sampling Type:	Soil
Project Name:	EMPIRE ABO #08	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC 2 BOTTOM 2 (H402369-06)

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	08/04/2014	ND	1.65	82.7	2.00	8.41		
Toluene*	<0.050	0.050	08/04/2014	ND	1.68	84.1	2.00	7.43		
Ethylbenzene*	<0.050	0.050	08/04/2014	ND	1.66	83.0	2.00	7.40		
Total Xylenes*	<0.150	0.150	08/04/2014	ND	5.18	86.4	6.00	7.49		
Total BTEX	<0.300	0.300	08/04/2014	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	08/05/2014	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	<20.0	20.0	08/04/2014	10.1	199	99.4	200	1.66		
DRO >C10-C28	<10.0	10.0	08/04/2014	ND	212	106	200	2.11		

Surrogate: 1-Chlorooctane 97.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.7 % 63.6-154

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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.
- 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

Excavation 2



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: RECS				BILL TO				ANALYSIS REQUEST																				
Project Manager: Laura Flores, Jacob Kamplain				P.O. #:				Chlorides TPH 8015 M BTEX Texas TPH Complete Cations/Anions TDS																				
Address:				Company:																								
City: Hobbs State: NM Zip: 88240				Attn:																								
Phone #: Fax #:				Address:																								
Project #: Project Owner:				City:																								
Project Name:				State: Zip:																								
Project Location: Empire ABO #08				Phone #:																								
Sampler Name: Lyle Schmidt				Fax #:																								
<small>FOR LAB USE ONLY</small>																												
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING															
						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME												
H402368																												
		1 Excavation 2 west wall 1		6	1			X				X			7-30-14	1:50	X	X	X									
		2 Excavation 2 west wall 2		6	1			X				X			}	1:55	X	X	X									
		3 Excavation 2 East wall 1		6	1			X				X				2:00	X	X	X									
		4 Excavation 2 East wall 2		6	1			X				X				2:05	X	X	X									
		5 Excavation 2 Bottom 1		6	1			X				X				2:10	X	X	X									
		6 Excavation 2 Bottom 2		6	1			X				X				2:15	X	X	X									

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Relinquished By: Kyle Schmidt		Date: 7-30-14		Received By: Jodi Benson		Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Phone #:	
Relinquished By:		Date:		Received By:		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Fax #:	
Delivered By: (Circle One)		Sample Condition		CHECKED BY: (Initials)		REMARKS: email: hconder@riceswd.com; lflores@rice-ecs.com; lweinheimer@rice-ecs.com; knorman@rice-ecs.com; jkamplain@rice-ecs.com; sedwards@rice-ecs.com; cursanic@rice-ecs.com Environmental Tech: @rice-ecs.com			
Sampler - UPS - Bus - Other:		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No					

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

#54

August 29, 2014

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

RE: EMPIRE ABO UNIT #08

Enclosed are the results of analyses for samples received by the laboratory on 08/27/14 9:00.

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,



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:	08/27/2014	Sampling Date:	08/15/2014
Reported:	08/29/2014	Sampling Type:	Soil
Project Name:	EMPIRE ABO UNIT #08	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC 2 WEST WALL 3 (H402627-01)

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	08/28/2014	ND	1.85	92.7	2.00	10.1	
Toluene*	<0.050	0.050	08/28/2014	ND	1.71	85.3	2.00	12.4	
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	1.92	96.1	2.00	15.9	
Total Xylenes*	<0.150	0.150	08/28/2014	ND	5.74	95.7	6.00	16.6	
Total BTEX	<0.300	0.300	08/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	800	16.0	08/27/2014	ND	416	104	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	08/27/2014	ND	186	93.2	200	8.01	
DRO >C10-C28	<10.0	10.0	08/27/2014	ND	187	93.6	200	8.54	

Surrogate: 1-Chlorooctane 110 % 65.2-140
Surrogate: 1-Chlorooctadecane 119 % 63.6-154

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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:	08/27/2014	Sampling Date:	08/15/2014
Reported:	08/29/2014	Sampling Type:	Soil
Project Name:	EMPIRE ABO UNIT #08	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC 2 WEST WALL 4 (H402627-02)

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	08/28/2014	ND	1.85	92.7	2.00	10.1	
Toluene*	<0.050	0.050	08/28/2014	ND	1.71	85.3	2.00	12.4	
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	1.92	96.1	2.00	15.9	
Total Xylenes*	<0.150	0.150	08/28/2014	ND	5.74	95.7	6.00	16.6	
Total BTEX	<0.300	0.300	08/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	208	16.0	08/27/2014	ND	416	104	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	08/27/2014	ND	186	93.2	200	8.01	
DRO >C10-C28	<10.0	10.0	08/27/2014	ND	187	93.6	200	8.54	

Surrogate: 1-Chlorooctane 111 % 65.2-140

Surrogate: 1-Chlorooctadecane 121 % 63.6-154

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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:	08/27/2014	Sampling Date:	08/15/2014
Reported:	08/29/2014	Sampling Type:	Soil
Project Name:	EMPIRE ABO UNIT #08	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC 2 EAST WALL 3 (H402627-03)

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	08/28/2014	ND	1.85	92.7	2.00	10.1	
Toluene*	<0.050	0.050	08/28/2014	ND	1.71	85.3	2.00	12.4	
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	1.92	96.1	2.00	15.9	
Total Xylenes*	<0.150	0.150	08/28/2014	ND	5.74	95.7	6.00	16.6	
Total BTEX	<0.300	0.300	08/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	480	16.0	08/27/2014	ND	416	104	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	08/27/2014	ND	186	93.2	200	8.01	
DRO >C10-C28	<10.0	10.0	08/27/2014	ND	187	93.6	200	8.54	

Surrogate: 1-Chlorooctane 97.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 63.6-154

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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:	08/27/2014	Sampling Date:	08/15/2014
Reported:	08/29/2014	Sampling Type:	Soil
Project Name:	EMPIRE ABO UNIT #08	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC 2 EAST WALL 4 (H402627-04)

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	08/28/2014	ND	1.85	92.7	2.00	10.1		
Toluene*	<0.050	0.050	08/28/2014	ND	1.71	85.3	2.00	12.4		
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	1.92	96.1	2.00	15.9		
Total Xylenes*	<0.150	0.150	08/28/2014	ND	5.74	95.7	6.00	16.6		
Total BTEX	<0.300	0.300	08/28/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	32.0	16.0	08/27/2014	ND	416	104	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	08/27/2014	ND	186	93.2	200	8.01		
DRO >C10-C28	<10.0	10.0	08/27/2014	ND	187	93.6	200	8.54		

Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 123 % 63.6-154

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Analytical Results For:

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

Received:	08/27/2014	Sampling Date:	08/15/2014
Reported:	08/29/2014	Sampling Type:	Soil
Project Name:	EMPIRE ABO UNIT #08	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC 2 BOTTOM 3 (H402627-05)

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	08/28/2014	ND	1.85	92.7	2.00	10.1		
Toluene*	<0.050	0.050	08/28/2014	ND	1.71	85.3	2.00	12.4		
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	1.92	96.1	2.00	15.9		
Total Xylenes*	<0.150	0.150	08/28/2014	ND	5.74	95.7	6.00	16.6		
Total BTEX	<0.300	0.300	08/28/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	384	16.0	08/27/2014	ND	416	104	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	08/27/2014	ND	186	93.2	200	8.01		
DRO >C10-C28	<10.0	10.0	08/27/2014	ND	187	93.6	200	8.54		

Surrogate: 1-Chlorooctane 97.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 63.6-154

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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:	08/27/2014	Sampling Date:	08/15/2014
Reported:	08/29/2014	Sampling Type:	Soil
Project Name:	EMPIRE ABO UNIT #08	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC 2 BOTTOM 4 (H402627-06)

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	08/28/2014	ND	1.85	92.7	2.00	10.1	
Toluene*	<0.050	0.050	08/28/2014	ND	1.71	85.3	2.00	12.4	
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	1.92	96.1	2.00	15.9	
Total Xylenes*	<0.150	0.150	08/28/2014	ND	5.74	95.7	6.00	16.6	
Total BTEX	<0.300	0.300	08/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	224	16.0	08/27/2014	ND	416	104	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	08/27/2014	ND	186	93.2	200	8.01	
DRO >C10-C28	<10.0	10.0	08/27/2014	ND	187	93.6	200	8.54	

Surrogate: 1-Chlorooctane 99.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 108 % 63.6-154

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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:	08/27/2014	Sampling Date:	08/15/2014
Reported:	08/29/2014	Sampling Type:	Soil
Project Name:	EMPIRE ABO UNIT #08	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC 2 SOUTH WALL (H402627-07)

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	08/28/2014	ND	1.85	92.7	2.00	10.1	
Toluene*	<0.050	0.050	08/28/2014	ND	1.71	85.3	2.00	12.4	
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	1.92	96.1	2.00	15.9	
Total Xylenes*	<0.150	0.150	08/28/2014	ND	5.74	95.7	6.00	16.6	
Total BTEX	<0.300	0.300	08/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	368	16.0	08/27/2014	ND	416	104	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	08/27/2014	ND	186	93.2	200	8.01	
DRO >C10-C28	<10.0	10.0	08/27/2014	ND	187	93.6	200	8.54	

Surrogate: 1-Chlorooctane 108 % 65.2-140

Surrogate: 1-Chlorooctadecane 120 % 63.6-154

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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:	08/27/2014	Sampling Date:	08/15/2014
Reported:	08/29/2014	Sampling Type:	Soil
Project Name:	EMPIRE ABO UNIT #08	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC 3 EAST WALL 3 (H402627-08)

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	08/28/2014	ND	1.85	92.7	2.00	10.1	
Toluene*	<0.050	0.050	08/28/2014	ND	1.71	85.3	2.00	12.4	
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	1.92	96.1	2.00	15.9	
Total Xylenes*	<0.150	0.150	08/28/2014	ND	5.74	95.7	6.00	16.6	
Total BTEX	<0.300	0.300	08/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	144	16.0	08/27/2014	ND	416	104	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	08/27/2014	ND	186	93.2	200	8.01	
DRO >C10-C28	<10.0	10.0	08/27/2014	ND	187	93.6	200	8.54	

Surrogate: 1-Chlorooctane 111 % 65.2-140

Surrogate: 1-Chlorooctadecane 124 % 63.6-154

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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:	08/27/2014	Sampling Date:	08/15/2014
Reported:	08/29/2014	Sampling Type:	Soil
Project Name:	EMPIRE ABO UNIT #08	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC 3 WEST WALL 3 (H402627-09)

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	08/28/2014	ND	1.85	92.7	2.00	10.1	
Toluene*	<0.050	0.050	08/28/2014	ND	1.71	85.3	2.00	12.4	
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	1.92	96.1	2.00	15.9	
Total Xylenes*	<0.150	0.150	08/28/2014	ND	5.74	95.7	6.00	16.6	
Total BTEX	<0.300	0.300	08/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	08/27/2014	ND	416	104	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	08/27/2014	ND	186	93.2	200	8.01	
DRO >C10-C28	<10.0	10.0	08/27/2014	ND	187	93.6	200	8.54	

Surrogate: 1-Chlorooctane 106 % 65.2-140

Surrogate: 1-Chlorooctadecane 118 % 63.6-154

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Analytical Results For:

 APACHE - EUNICE
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 EUNICE NM, 88231
 Fax To: 394-2425

Received:	08/27/2014	Sampling Date:	08/15/2014
Reported:	08/29/2014	Sampling Type:	Soil
Project Name:	EMPIRE ABO UNIT #08	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC 3 NORTH WALL (H402627-10)

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	08/28/2014	ND	1.85	92.7	2.00	10.1	
Toluene*	<0.050	0.050	08/28/2014	ND	1.71	85.3	2.00	12.4	
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	1.92	96.1	2.00	15.9	
Total Xylenes*	<0.150	0.150	08/28/2014	ND	5.74	95.7	6.00	16.6	
Total BTEX	<0.300	0.300	08/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	416	16.0	08/27/2014	ND	416	104	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	08/27/2014	ND	186	93.2	200	8.01	
DRO >C10-C28	<10.0	10.0	08/27/2014	ND	187	93.6	200	8.54	

Surrogate: 1-Chlorooctane 111 % 65.2-140

Surrogate: 1-Chlorooctadecane 122 % 63.6-154

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 EUNICE NM, 88231
 Fax To: 394-2425

Received:	08/27/2014	Sampling Date:	08/15/2014
Reported:	08/29/2014	Sampling Type:	Soil
Project Name:	EMPIRE ABO UNIT #08	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC 3 SOUTH WALL (H402627-11)

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	08/28/2014	ND	1.85	92.7	2.00	10.1		
Toluene*	<0.050	0.050	08/28/2014	ND	1.71	85.3	2.00	12.4		
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	1.92	96.1	2.00	15.9		
Total Xylenes*	<0.150	0.150	08/28/2014	ND	5.74	95.7	6.00	16.6		
Total BTEX	<0.300	0.300	08/28/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	400	16.0	08/27/2014	ND	416	104	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	08/27/2014	ND	186	93.2	200	8.01		
DRO >C10-C28	<10.0	10.0	08/27/2014	ND	187	93.6	200	8.54		

Surrogate: 1-Chlorooctane 112 % 65.2-140

Surrogate: 1-Chlorooctadecane 124 % 63.6-154

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 EUNICE NM, 88231
 Fax To: 394-2425

Received:	08/27/2014	Sampling Date:	08/15/2014
Reported:	08/29/2014	Sampling Type:	Soil
Project Name:	EMPIRE ABO UNIT #08	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC 5 NORTH WALL (H402627-12)

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	08/28/2014	ND	1.85	92.7	2.00	10.1	
Toluene*	<0.050	0.050	08/28/2014	ND	1.71	85.3	2.00	12.4	
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	1.92	96.1	2.00	15.9	
Total Xylenes*	<0.150	0.150	08/28/2014	ND	5.74	95.7	6.00	16.6	
Total BTEX	<0.300	0.300	08/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	672	16.0	08/27/2014	ND	416	104	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	08/27/2014	ND	186	93.2	200	8.01	
DRO >C10-C28	237	10.0	08/27/2014	ND	187	93.6	200	8.54	

Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 130 % 63.6-154

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 Fax To: 394-2425

Received:	08/27/2014	Sampling Date:	08/15/2014
Reported:	08/29/2014	Sampling Type:	Soil
Project Name:	EMPIRE ABO UNIT #08	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC 5 WEST WALL (H402627-13)

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	08/28/2014	ND	1.85	92.7	2.00	10.1	
Toluene*	<0.050	0.050	08/28/2014	ND	1.71	85.3	2.00	12.4	
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	1.92	96.1	2.00	15.9	
Total Xylenes*	<0.150	0.150	08/28/2014	ND	5.74	95.7	6.00	16.6	
Total BTEX	<0.300	0.300	08/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	560	16.0	08/27/2014	ND	416	104	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	08/27/2014	ND	186	93.2	200	8.01	
DRO >C10-C28	<10.0	10.0	08/27/2014	ND	187	93.6	200	8.54	

Surrogate: 1-Chlorooctane 111 % 65.2-140

Surrogate: 1-Chlorooctadecane 123 % 63.6-154

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Analytical Results For:

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

Received:	08/27/2014	Sampling Date:	08/15/2014
Reported:	08/29/2014	Sampling Type:	Soil
Project Name:	EMPIRE ABO UNIT #08	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC 5 SOUTH WALL (H402627-14)

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	08/28/2014	ND	1.85	92.7	2.00	10.1	
Toluene*	<0.050	0.050	08/28/2014	ND	1.71	85.3	2.00	12.4	
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	1.92	96.1	2.00	15.9	
Total Xylenes*	<0.150	0.150	08/28/2014	ND	5.74	95.7	6.00	16.6	
Total BTEX	<0.300	0.300	08/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	32.0	16.0	08/27/2014	ND	416	104	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	08/27/2014	ND	186	93.2	200	8.01	
DRO >C10-C28	<10.0	10.0	08/27/2014	ND	187	93.6	200	8.54	

Surrogate: 1-Chlorooctane 116 % 65.2-140

Surrogate: 1-Chlorooctadecane 127 % 63.6-154

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Analytical Results For:

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

Received:	08/27/2014	Sampling Date:	08/15/2014
Reported:	08/29/2014	Sampling Type:	Soil
Project Name:	EMPIRE ABO UNIT #08	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC 5 NORTH BOTTOM (H402627-15)

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	08/28/2014	ND	1.85	92.7	2.00	10.1		
Toluene*	<0.050	0.050	08/28/2014	ND	1.71	85.3	2.00	12.4		
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	1.92	96.1	2.00	15.9		
Total Xylenes*	<0.150	0.150	08/28/2014	ND	5.74	95.7	6.00	16.6		
Total BTEX	<0.300	0.300	08/28/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	704	16.0	08/27/2014	ND	416	104	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	08/27/2014	ND	186	93.2	200	8.01		
DRO >C10-C28	<10.0	10.0	08/27/2014	ND	187	93.6	200	8.54		

Surrogate: 1-Chlorooctane 99.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

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

Received:	08/27/2014	Sampling Date:	08/15/2014
Reported:	08/29/2014	Sampling Type:	Soil
Project Name:	EMPIRE ABO UNIT #08	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC 5 EAST BOTTOM (H402627-16)

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	08/28/2014	ND	1.85	92.7	2.00	10.1		
Toluene*	<0.050	0.050	08/28/2014	ND	1.71	85.3	2.00	12.4		
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	1.92	96.1	2.00	15.9		
Total Xylenes*	<0.150	0.150	08/28/2014	ND	5.74	95.7	6.00	16.6		
Total BTEX	<0.300	0.300	08/28/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	560	16.0	08/27/2014	ND	416	104	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	08/27/2014	ND	186	93.2	200	8.01		
DRO >C10-C28	<10.0	10.0	08/27/2014	ND	187	93.6	200	8.54		

Surrogate: 1-Chlorooctane 114 % 65.2-140

Surrogate: 1-Chlorooctadecane 124 % 63.6-154

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 EUNICE NM, 88231
 Fax To: 394-2425

Received:	08/27/2014	Sampling Date:	08/15/2014
Reported:	08/29/2014	Sampling Type:	Soil
Project Name:	EMPIRE ABO UNIT #08	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC 5 EAST WALL (H402627-17)

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	08/28/2014	ND	1.85	92.7	2.00	10.1		
Toluene*	<0.050	0.050	08/28/2014	ND	1.71	85.3	2.00	12.4		
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	1.92	96.1	2.00	15.9		
Total Xylenes*	<0.150	0.150	08/28/2014	ND	5.74	95.7	6.00	16.6		
Total BTEX	<0.300	0.300	08/28/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	768	16.0	08/27/2014	ND	416	104	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	08/27/2014	ND	186	93.2	200	8.01		
DRO >C10-C28	<10.0	10.0	08/27/2014	ND	187	93.6	200	8.54		

Surrogate: 1-Chlorooctane 108 % 65.2-140

Surrogate: 1-Chlorooctadecane 120 % 63.6-154

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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:	08/27/2014	Sampling Date:	08/15/2014
Reported:	08/29/2014	Sampling Type:	Soil
Project Name:	EMPIRE ABO UNIT #08	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC 6 SOUTH WALL (H402627-18)

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	08/28/2014	ND	1.85	92.7	2.00	10.1	
Toluene*	<0.050	0.050	08/28/2014	ND	1.71	85.3	2.00	12.4	
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	1.92	96.1	2.00	15.9	
Total Xylenes*	<0.150	0.150	08/28/2014	ND	5.74	95.7	6.00	16.6	
Total BTEX	<0.300	0.300	08/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	08/27/2014	ND	416	104	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	08/27/2014	ND	186	93.2	200	8.01	
DRO >C10-C28	<10.0	10.0	08/27/2014	ND	187	93.6	200	8.54	

Surrogate: 1-Chlorooctane 111 % 65.2-140

Surrogate: 1-Chlorooctadecane 122 % 63.6-154

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Analytical Results For:

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

Received:	08/27/2014	Sampling Date:	08/15/2014
Reported:	08/29/2014	Sampling Type:	Soil
Project Name:	EMPIRE ABO UNIT #08	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC 6 EAST WALL 1 (H402627-19)

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	08/28/2014	ND	1.85	92.7	2.00	10.1		
Toluene*	<0.050	0.050	08/28/2014	ND	1.71	85.3	2.00	12.4		
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	1.92	96.1	2.00	15.9		
Total Xylenes*	<0.150	0.150	08/28/2014	ND	5.74	95.7	6.00	16.6		
Total BTEX	<0.300	0.300	08/28/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	192	16.0	08/27/2014	ND	416	104	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	08/27/2014	ND	186	93.2	200	8.01		
DRO >C10-C28	<10.0	10.0	08/27/2014	ND	187	93.6	200	8.54		

Surrogate: 1-Chlorooctane 106 % 65.2-140

Surrogate: 1-Chlorooctadecane 117 % 63.6-154

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Analytical Results For:

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

Received:	08/27/2014	Sampling Date:	08/15/2014
Reported:	08/29/2014	Sampling Type:	Soil
Project Name:	EMPIRE ABO UNIT #08	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC 6 EAST WALL 2 (H402627-20)

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	08/28/2014	ND	1.85	92.7	2.00	10.1		
Toluene*	<0.050	0.050	08/28/2014	ND	1.71	85.3	2.00	12.4		
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	1.92	96.1	2.00	15.9		
Total Xylenes*	<0.150	0.150	08/28/2014	ND	5.74	95.7	6.00	16.6		
Total BTEX	<0.300	0.300	08/28/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	880	16.0	08/27/2014	ND	416	104	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	08/27/2014	ND	186	93.2	200	8.01		
DRO >C10-C28	<10.0	10.0	08/27/2014	ND	187	93.6	200	8.54		

Surrogate: 1-Chlorooctane 113 % 65.2-140

Surrogate: 1-Chlorooctadecane 124 % 63.6-154

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Analytical Results For:

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

Received:	08/27/2014	Sampling Date:	08/15/2014
Reported:	08/29/2014	Sampling Type:	Soil
Project Name:	EMPIRE ABO UNIT #08	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC 6 WEST WALL 1 (H402627-21)

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	08/28/2014	ND	2.08	104	2.00	2.16	
Toluene*	<0.050	0.050	08/28/2014	ND	2.12	106	2.00	2.21	
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	2.17	108	2.00	2.63	
Total Xylenes*	<0.150	0.150	08/28/2014	ND	6.81	113	6.00	1.95	
Total BTEX	<0.300	0.300	08/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	416	16.0	08/27/2014	ND	416	104	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	08/27/2014	10.3	200	100	200	0.943	
DRO >C10-C28	<10.0	10.0	08/27/2014	ND	203	102	200	1.18	

Surrogate: 1-Chlorooctane 112 % 65.2-140

Surrogate: 1-Chlorooctadecane 127 % 63.6-154

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Analytical Results For:

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

Received:	08/27/2014	Sampling Date:	08/15/2014
Reported:	08/29/2014	Sampling Type:	Soil
Project Name:	EMPIRE ABO UNIT #08	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC 6 WEST WALL 2 (H402627-22)

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	08/28/2014	ND	2.08	104	2.00	2.16	
Toluene*	<0.050	0.050	08/28/2014	ND	2.12	106	2.00	2.21	
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	2.17	108	2.00	2.63	
Total Xylenes*	<0.150	0.150	08/28/2014	ND	6.81	113	6.00	1.95	
Total BTEX	<0.300	0.300	08/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	224	16.0	08/27/2014	ND	416	104	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	08/27/2014	10.3	200	100	200	0.943	
DRO >C10-C28	<10.0	10.0	08/27/2014	ND	203	102	200	1.18	

Surrogate: 1-Chlorooctane 118 % 65.2-140

Surrogate: 1-Chlorooctadecane 134 % 63.6-154

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Analytical Results For:

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

Received:	08/27/2014	Sampling Date:	08/15/2014
Reported:	08/29/2014	Sampling Type:	Soil
Project Name:	EMPIRE ABO UNIT #08	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC 6 NORTH WALL (H402627-23)

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	08/28/2014	ND	2.08	104	2.00	2.16		
Toluene*	<0.050	0.050	08/28/2014	ND	2.12	106	2.00	2.21		
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	2.17	108	2.00	2.63		
Total Xylenes*	<0.150	0.150	08/28/2014	ND	6.81	113	6.00	1.95		
Total BTEX	<0.300	0.300	08/28/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	32.0	16.0	08/27/2014	ND	416	104	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	08/28/2014	10.3	200	100	200	0.943		
DRO >C10-C28	<10.0	10.0	08/28/2014	ND	203	102	200	1.18		

Surrogate: 1-Chlorooctane 122 % 65.2-140

Surrogate: 1-Chlorooctadecane 139 % 63.6-154

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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



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 26 of 30

Company Name: APACH		BILL TO		ANALYSIS REQUEST																					
Project Manager: BRUCE BEKER		P.O. #:		Chlorides TPH 8015 M BTEX Texas TPH Complete Cations/Anions TDS																					
Address:		Company:																							
City: Hobbs State: NM Zip: 88240		Attn:																							
Phone #: Fax #:		Address:																							
Project #: Project Owner:		City:																							
Project Name:		State: Zip:																							
Project Location: EMPIRE ADO #08		Phone #:																							
Sampler Name: Kyle Humphrey		Fax #:																							
FOR LAB USE ONLY																									
Lab I.D. H402627		Sample I.D.												MATRIX		PRESERV		SAMPLING							
		(G)RAB OR (C)OMP. # CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME	
1		Excavation 2 West well 3		6				✓								✓		✓		✓		8-15-11		9:00	
2		Excavation 2 West well 4		6				✓								✓		✓		✓				9:05	
3		Excavation 2 East well 1		6				✓								✓		✓		✓				9:10	
4		Excavation 2 East well 4		6				✓								✓		✓		✓				9:15	
5		Excavation 2 Bottom 3		6				✓								✓		✓		✓				9:20	
6		Excavation 2 Bottom 4		6				✓								✓		✓		✓				9:25	
7		Excavation 2 South well		6				✓								✓		✓		✓				9:30	

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Relinquished By: Kyle Humphrey	Date: 8/27/11	Time: 9:00	Received By: Jodi Benson	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Time:	Received By:	Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		CHECKED BY: [Signature]	REMARKS: email results Knorman@rice-ecs.com Kjones@riceswd.com; jkamplain@rice-ecs.com hconder@rice-ecs.com; Lweinheimer@rice-ecs.com Khumphrey@rice-ecs.com sedwards@rice-ecs.com, lflores@rice-ecs.com	

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

#54



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Apache</u>		BILL TO		ANALYSIS REQUEST																						
Project Manager: <u>Laura Flores, Bruce Baker</u>		P.O. #:		Chlorides	TPH 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS																	
Address:		Company:																								
City: Hobbs State: NM Zip: 88240		Attn:																								
Phone #: Fax #:		Address:																								
Project #: Project Owner:		City:																								
Project Name:		State: Zip:																								
Project Location: <u>Empire Abo #08</u>		Phone #:																								
Sampler Name:		Fax #:																								
FOR LAB USE ONLY																										
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS							MATRIX					PRESERV.		SAMPLING									
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME												
<u>H402627</u>																										
<u>12</u>	<u>Excavation S Northwall</u>	<u>g</u>	<u>1</u>			<u>/</u>				<u>/</u>			<u>8-15-14</u>	<u>12:00</u>	<u>/</u>	<u>/</u>	<u>/</u>									
<u>13</u>	<u>Excavation S Westwall</u>	<u>g</u>	<u>1</u>			<u>/</u>				<u>/</u>			<u>/</u>	<u>11:55</u>	<u>/</u>	<u>/</u>	<u>/</u>									
<u>14</u>	<u>Excavation S Southwall</u>	<u>g</u>	<u>1</u>			<u>/</u>				<u>/</u>			<u>/</u>	<u>12:05</u>	<u>/</u>	<u>/</u>	<u>/</u>									
<u>15</u>	<u>Excavation S N. Btm</u>	<u>g</u>	<u>1</u>			<u>/</u>				<u>/</u>			<u>/</u>	<u>11:45</u>	<u>/</u>	<u>/</u>	<u>/</u>									
<u>16</u>	<u>Excavation S E. Btm</u>	<u>g</u>	<u>1</u>			<u>/</u>				<u>/</u>			<u>/</u>	<u>11:50</u>	<u>/</u>	<u>/</u>	<u>/</u>									

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Relinquished By: <u>RK</u>	Date: <u>8/27/14</u>	Received By: <u>Jodi Henson</u>	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
Relinquished By: <u>RK</u>	Date: <u>8/27/14</u>	Received By: <u>Jodi Henson</u>	Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Date: <u>8/27/14</u>	Received By: <u>Jodi Henson</u>	REMARKS:	
Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	Time: <u>1:00</u>	Checked By: <u>JH</u>	email: hconder@riceswd.com; lflores@rice-ecs.com; lweinheimer@rice-ecs.com; knorman@rice-ecs.com; jkamplain@rice-ecs.com; sedwards@rice-ecs.com; cursanic@rice-ecs.com Environmental Tech: @rice-ecs.com	

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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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Apache		BILL TO		ANALYSIS REQUEST																									
Project Manager: Bruce Baker		P.O. #:		Chlorides	TPH 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS																				
Address:		Company:																											
City: Hobbs State: NM Zip: 88240		Attn:																											
Phone #: Fax #:		Address:																											
Project #: Project Owner:		City:																											
Project Name:		State: Zip:																											
Project Location: Empire ADO HOS		Phone #:																											
Sampler Name: Kyle Humphrey		Fax #:																											
FOR LAB USE ONLY																													
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS							MATRIX					PRESERV.			SAMPLING											
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:	DATE	TIME															
H408627																													
18	Excavation 6 South well	6	1			✓				✓			8-15-11	9:50	✓	✓	✓												
19	Excavation 6 East well 1	6	1			✓				✓				9:55	✓	✓	✓												
20	Excavation 6 East well 2	6	1			✓				✓				10:00	✓	✓	✓												
21	Excavation 6 West well 1	6	1			✓				✓				10:05	✓	✓	✓												
22	Excavation 6 West well 2	6	1			✓				✓				10:10	✓	✓	✓												
23	Excavation 6 North well	6	1			✓				✓				10:15	✓	✓	✓												

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Relinquished By: Kyle Humphrey	Date: 8/27/11 Time: 9:00	Received By: Jodi Henson	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)	Sample Condition	CHECKED BY:	REMARKS:	
Sampler - UPS - Bus - Other:	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	[Signature]	email results Knorman@rice-ecs.com Kjones@riceswd.com; jkamplain@rice-ecs.com hconder@rice-ecs.com; Lweinheimer@rice-ecs.com Khumphrey@rice-ecs.com sedwards@rice-ecs.com, lflores@rice-ecs.com	

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