

6/6/11  
0728 Remuda Basin Sta 25 State #1

Unit 1 Sec. 25 ~ 238 ~ 29E

State Lease # E 5894

N 32.288041

W 103.936353



June 14, 2011

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: REMUDA BASIN 25 STATE #1

Enclosed are the results of analyses for samples received by the laboratory on 06/09/11 9:32.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

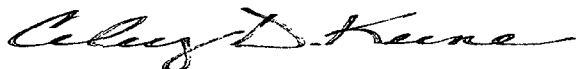
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (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  
BEN J. ARGUIJO  
P.O. Box 301  
Lovington NM, 88260  
Fax To: (575) 396-1429

Received: 06/09/2011  
Reported: 06/14/2011  
Project Name: REMUDA BASIN 25 STATE #1  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 06/08/2011  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: HA 1 SURFACE (H101189-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17600	16.0	06/11/2011	ND	464	116	400	3.51	
TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	39.4	10.0	06/14/2011	ND	216	108	200	1.49	
DRO >C10-C28	4960	10.0	06/14/2011	ND	203	102	200	7.13	
EXT DRO >C28-C35	<10.0	10.0	06/14/2011	ND					
Surrogate 1-Chlorooctane	134 %	70-130							
Surrogate 1-Chlorooctadecane	148 %	70-130							

**Sample ID: HA 1 2' BGS (H101189-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3200	16.0	06/11/2011	ND	464	116	400	3.51		

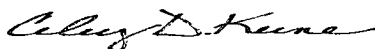
**Sample ID: HA 1 4' BGS (H101189-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	06/11/2011	ND	464	116	400	3.51	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 06/09/2011  
 Reported: 06/14/2011  
 Project Name: REMUDA BASIN 25 STATE #1  
 Project Number: NONE GIVEN  
 Project Location: EDDY COUNTY, NM

 Sampling Date: 06/08/2011  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: HA 1 6' BGS (H101189-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	06/11/2011	ND	464	116	400	3.51	
TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/14/2011	ND	216	108	200	1.49	
DRO >C10-C28	<10.0	10.0	06/14/2011	ND	203	102	200	7.13	
EXT DRO >C28-C35	<10.0	10.0	06/14/2011	ND					
Surrogate 1-Chlorooctane	121 %	70-130							
Surrogate 1-Chlorooctadecane	128 %	70-130							

**Sample ID: HA 1 8' BGS (H101189-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	06/11/2011	ND	464	116	400	3.51		

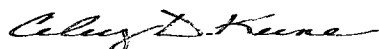
**Sample ID: HA 1 10' BGS (H101189-06)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	06/11/2011	ND	464	116	400	3.51	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 06/09/2011  
 Reported: 06/14/2011  
 Project Name: REMUDA BASIN 25 STATE #1  
 Project Number: NONE GIVEN  
 Project Location: EDDY COUNTY, NM

 Sampling Date: 06/08/2011  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: HA 1 12' BGS (H101189-07)**

BTX 8260B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2011	ND	2.21	111	2.00	7.93	
Toluene*	<0.050	0.050	06/13/2011	ND	2.24	112	2.00	7.82	
Ethylbenzene*	<0.050	0.050	06/13/2011	ND	2.32	116	2.00	8.13	
Total Xylenes*	<0.150	0.150	06/13/2011	ND	6.54	109	6.00	8.53	

Surrogate Dibromofluoromethane 92.6 % 80-120

Surrogate Toluene-d8 98.5 % 80-120

Surrogate 4-Bromofluorobenzene 106 % 80-120

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	06/11/2011	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/14/2011	ND	216	108	200	1.49	
DRO >C10-C28	<10.0	10.0	06/14/2011	ND	203	102	200	7.13	
EXT DRO >C28-C35	<10.0	10.0	06/14/2011	ND					

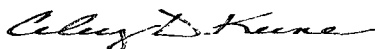
Surrogate 1-Chlorooctane 151 % 70-130

Surrogate 1-Chlorooctadecane 171 % 70-130

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**


Z-01	One or more surrogates above historical limits.
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

---

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



---

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

Company Name: Basin Environmental Service Technologies, LLC				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>													
Project Manager: Ben J. Arguijo				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div>Chloride</div> <div>8015M</div> <div>BTEX</div> </div>													
Address: P.O. Box 301				Company: BOPCO, LP																	
City: Lovington State: NM Zip: 88260				Attn: Tony Savoie																	
Phone #: (575) 396-2378 Fax #: (575) 396-1429				Address: 522 w. Mermod																	
Project #: Project Owner: BOPCO, LP				City: Carlsbad																	
Project Name: Remuda Basin 25 State #1				State: NM Zip: 88220																	
Project Location: EDDY NM				Phone #: (432) 556-8730																	
Sampler Name: Jody Walters				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			
HID1189																					
1		HA1 Sur Face				G		1						X		6-8-11		10:00		X	
2		HA1 2' B6S				G		1						X		6-8-11		10:05		X	
3		HA1 4' B6S				G		1						X		6-8-11		10:15		X	
4		HA1 6' B6S				G		1						X		6-8-11		10:20		X	
5		HA1 8' B6S				G		1						X		6-8-11		10:25		X	
6		HA1 10' B6S				G		1						X		6-8-11		10:30		X	
7		HA1 12' B6S				G		1						X		6-8-11		10:35		X	

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:		Date: 6-8-11		Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
		Time: 5:36 PM				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date: 6-9-11		Received By:		REMARKS:			
		Time: 09:31							
Delivered By: (Circle One)									
Sampler - UPS - Bus - Other:		5°C		Sample Condition		CHECKED BY: (Initials)			
				Cool, Intact					
				<input type="checkbox"/> Yes <input type="checkbox"/> No					

Please email results to pm@basinenv.com  
& TSavoie@BassPet.com

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