BW - ___035____

ENVIRONMENTAL ANALYTICAL DATA

BW - 35

Quarterly Analysis



April 27, 2018

DARR ANGELL

LLANO BRINE

P. O. BOX 250

LOVINGTON, NM 88260

RE: WATER SAMPLES

Enclosed are the results of analyses for samples received by the laboratory on 04/26/18 16:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. 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/ga/lab accredited certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keene

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:

LLANO BRINE DARR ANGELL P. O. BOX 250 LOVINGTON NM, 88260

Fax To:

Received: Reported: Project Name: 04/26/2018 04/27/2018 WATER SAMPLES

NONE GIVEN

Project Number: Project Location:

LEA COUNTY, NM

Sampling Date:

04/26/2018 Water

Sampling Type: Sampling Condition: Sample Received By:

** (See Notes)

Jodi Henson

Sample ID: FRESH WATER (H801168-01)

Chloride, SM4500CI-B

mg/L

Analyzed By: CK

Analyte

Result 128

Reporting Limit 4.00

Analyzed

Method Blank

BS 100 % Recovery 100

True Value QC

RPD Qualifier

Chloride*

04/27/2018

ND

100

0.00

Sample ID: BRINE WATER (H801168-02)

Chloride, SM4500CI-B

mg/L

Analyzed By: CK

Analyte Result Chloride* 188000

Reporting Limit 4.00

Analyzed 04/27/2018 Method Blank ND

BS 100 % Recovery 100

True Value QC 100

RPD 0.00 Qualifier

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.

Celegio treene

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

ecovery.

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.

Celego tremo



MSHI

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	755		BILLTO		
Droiect Manager	CIE CO		DILL 10	ANALTOIS REC	REQUEST
Address: P.6	.Bey 2		Company:		
city: LBVII		State:NM Zip: 78260	Attn:		
Phone #: 57	Phone #: 575-104-2777Fax #:		Address:		
Project #:	Project Owner:		City:		
Project Name:	Project Name: WOTES Samples		State: Zip:		
Project Location:	•		Phone #:		
Sampler Name:			Fax #:		
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING		
Lab I.D. H801168	Sample I.D.	G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL DIL SLUDGE	OTHER: ACID/BASE: CE / COOL OTHER:		
	Fresh woder		81(72)h		
2	brine water				
PLEASE NOTE: Liability and I	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.	y claim ansing whether based in contract or eemed waived unless made in writing and re	r fort, shall be limited to the amount paid by the client for the excelled by Cardinal within 30 days after completion of the	e acricable	
service. In no event shall Card affiliates or successors arising	service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by clert, its subsidiaries afficiency of the profits of the profi	without limitation, business interruptions, los irdinal, regardless of whether such claim is t	quental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by claim, its subjections of services hereunfier by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	g.	
Relinquished By:	8/976-12	Redeived By:	Phone Result: Fax Result: REMARKS:	ılt: ☐ Yes ☐ No Add'I Phone #: ☐ Yes ☐ No Add'I Fax #:	
Relinquished By:	Date:	Received By:		rangella gmail.com	OM
Delivered By:	Politicand But Citals On #15 Time:				

Sampler - UPS - Bus - Other: 20,40/ 20.3

+ Carrinal cannot accent works! channes Disace fav written Change to KIN 70 3220 0