



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

May 23, 2013

Clay Wilson

MESQUITE SWD INC.

P. O. Box 1479

Carlsbad, NM 88221

RE: PADUCA #1 #2

Enclosed are the results of analyses for samples received by the laboratory on 05/08/13 13:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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 style.

Celey D. Keene

Lab Director/Quality Manager

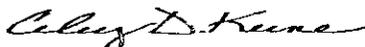
Analytical Results For:MESQUITE SWD INC.
P. O. Box 1479
Carlsbad NM, 88221Project: PADUCA #1 #2
Project Number: NONE GIVEN
Project Manager: Clay Wilson
Fax To: (575) 885-9859Reported:
23-May-13 11:11

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PADUCA #1	H301102-01	Water	05-May-13 00:00	08-May-13 13:30
PADUCA #2	H301102-02	Water	03-May-13 00:00	08-May-13 13:30

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

MESQUITE SWD INC. P. O. Box 1479 Carlsbad NM, 88221	Project: PADUCA #1 #2 Project Number: NONE GIVEN Project Manager: Clay Wilson Fax To: (575) 885-9859	Reported: 23-May-13 11:11
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**PADUCA #1
H301102-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Alkalinity, Bicarbonate	229	5.00	mg/L	1	3040406	DW	09-May-13	310.1	
Alkalinity, Carbonate	ND	0.00	mg/L	1	3040406	DW	09-May-13	310.1	
Chloride*	114000	4.00	mg/L	1	3050202	DW	09-May-13	4500-Cl-B	
Conductivity*	274000	1.00	uS/cm	1	3050906	DW	09-May-13	120.1	
pH*	5.89	0.100	pH Units	1	3050905	DW	09-May-13	150.1	
Sulfate*	942	125	mg/L	12.5	3051409	AP	14-May-13	375.4	
TDS*	192000	5.00	mg/L	1	3050205	AP	13-May-13	160.1	
Alkalinity, Total*	188	4.00	mg/L	1	3040406	DW	09-May-13	310.1	

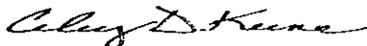
Green Analytical Laboratories
Total Recoverable Metals by ICP (6010B)

Calcium	11700	100	mg/L	100	B305162	JGS	22-May-13	EPA6010 B	
Iron	63.7	5.00	mg/L	100	B305162	JGS	22-May-13	EPA6010 B	
Magnesium	1920	100	mg/L	100	B305162	JGS	22-May-13	EPA6010 B	
Potassium	1680	100	mg/L	100	B305162	JGS	22-May-13	EPA6010 B	
Sodium	62600	100	mg/L	100	B305162	JGS	22-May-13	EPA6010 B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 MESQUITE SWD INC.
 P. O. Box 1479
 Carlsbad NM, 88221

 Project: PADUCA #1 #2
 Project Number: NONE GIVEN
 Project Manager: Clay Wilson
 Fax To: (575) 885-9859

 Reported:
 23-May-13 11:11

PADUCA #2
H301102-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Alkalinity, Bicarbonate	127	5.00	mg/L	1	3040406	DW	09-May-13	310.1	
Alkalinity, Carbonate	ND	0.00	mg/L	1	3040406	DW	09-May-13	310.1	
Chloride*	118000	4.00	mg/L	1	3050202	DW	09-May-13	4500-Cl-B	
Conductivity*	276000	1.00	uS/cm	1	3050906	DW	09-May-13	120.1	
pH*	5.98	0.100	pH Units	1	3050905	DW	09-May-13	150.1	
Sulfate*	858	125	mg/L	12.5	3051409	AP	14-May-13	375.4	
TDS*	187000	5.00	mg/L	1	3050205	AP	13-May-13	160.1	
Alkalinity, Total*	104	4.00	mg/L	1	3040406	DW	09-May-13	310.1	

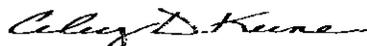
Green Analytical Laboratories
Total Recoverable Metals by ICP (6010B)

Calcium	11300	100	mg/L	100	B305162	JGS	22-May-13	EPA6010 B	
Iron	48.8	5.00	mg/L	100	B305162	JGS	22-May-13	EPA6010 B	
Magnesium	1850	100	mg/L	100	B305162	JGS	22-May-13	EPA6010 B	
Potassium	1640	100	mg/L	100	B305162	JGS	22-May-13	EPA6010 B	
Sodium	61000	100	mg/L	100	B305162	JGS	22-May-13	EPA6010 B	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

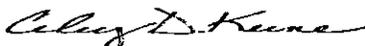
Notes and Definitions

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

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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: MESQUITE SWD INC		BILL TO		ANALYSIS REQUEST																							
Project Manager: CLAY L WILSON		P.O. #:																									
Address: P.O. Box 1479		Company: MESQUITE SWD INC																									
City: CARLSBAD State: NM Zip: 88221		Attn: CLAY WILSON																									
Phone #: 575-706-1840 Fax #: 575-885-9859		Address: P.O. Box 1479																									
Project #: _____ Project Owner: SAME		City: CARLSBAD																									
Project Name: PAQUCA #1 #2		State: NM Zip: 88221																									
Project Location: LEA County		Phone #: 575-706-1840																									
Sampler Name: CLAY		Fax #: 575-885-9859																									
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	
301 02-1	PAQUCA #1	9	1									5/5/13		✓	✓	Cations/Anions Iron											
	2 PAQUCA #2	9	1									5/3/13		✓	✓												

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Relinquished By: Cheryl Wilson	Date: 5/8/13	Received By: Jodi Benson	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: 1:30			Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: NEW - CLAY L WILSON @ Hotmail.com	
Time:				
Delivered By: (Circle One)	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other:	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	(Initials)		

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

#54

Goetze, Phillip, EMNRD

From: Kay Havenor <khavenor@georesources.com>
Sent: Wednesday, May 29, 2013 10:45 AM
To: Goetze, Phillip, EMNRD
Subject: Question
Attachments: Cardinal analyses for hearing MESQUITE.pdf

Phillip,

In the OCD hearing 5/2/2013 Mesquite SWD was asked to supply the examiner (Richard Ezeanyim) chemical analysis of disposal water being injected into Mesquite's Paduca SWD #1 located just west of the proposed #3. I supplied the analyses to Lawyer Jim Bruce to deliver to the examiner. I have been unable to communicate w/Mr. Bruce and am concerned as to their delivery. Would it be possible to verify their delivery? Just in case I have attached PDFs of the analyses. Thank you in advance for your assistance.

Kay Havenor

Kay C. Havenor, Ph.D., PG. CPG
GeoScience Technologies
904 Moore Ave
Roswell, NM 88201-1144
(575) 626-4518