District 1 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources

> Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

For drilling and production facilities, submit to appropriate NMOCD District Office. For downstream facilities, submit to Santa Fe office

PC 813/04

## Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes No X Type of action: Registration of a pit or below-grade tank Closure of a pit or below-grade tank X

Operator: Range Operating New Mexico, Inc Telephon	e: (505) 631-0926e-mail address: salmager@ra	ingeresources.com									
Address: P.O. Box 2510 Hobbs, NM 88241											
Facility or well name: <u>New Mexico "M" State 52</u> #: 30	<u>-025-37613</u> U/L or Qtr/QtrJ	Sec <u>28</u> T <u>22S</u> R <u>37E</u>									
County:         Lea         Longitude         W 103°, 11.686'         NA											
Surface Owner: Federal 🗌 State 🗌 Private 🖾 Indian 🗋											
<u>Pit</u>	Below-grade tank										
Type: Drilling 🖾 Production 🗋 Disposal 🗌	Volume:bbl Type of fluid:	Z 2									
Workover 🔲 Emergency 🛄	Construction material:	AUG AUG									
Lined 🖾 Unlined 🗖	Double-walled, with leak detection? Yes 📋 If not,	explain why not. Received									
Liner type: Synthetic 🛛 Thickness <u>20</u> mil Clay 🗌		explain why not. Received									
Pit Volumebbl	000 · · · ·										
Depth to ground water (vertical distance from bottom of pit to seasonal	Less than 50 feet	(20 points)									
high water elevation of ground water.)	50 feet or more, but less than 100 feet	(10 points) 69 feet									
ingn water elevation of ground water.)	100 feet or more	( 0 points)									
Wellhead protection area: (Less than 200 feet from a private domestic	Yes	(20 points)									
water source, or less than 1000 feet from all other water sources.)	No	( 0 points)									
Distance to surface water: (berizontal distance to all watlands players	Less than 200 feet	(20 points)									
Distance to surface water: (horizontal distance to all wetlands, playas,	200 feet or more, but less than 1000 feet	(10 points)									
irrigation canals, ditches, and perennial and ephemeral watercourses.)	1000 feet or more	( 0 points)									
	Ranking Score (Total Points)	10									

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite  $\square$  offsite  $\square$  If offsite, name of facility Sundance. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No  $\square$  Yes  $\square$  If yes, show depth below ground surface \_\_\_\_\_\_ ft. and attach sample results.

(5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: All fluids were removed from the pit. The burial pit was constructed adjacent to the drilling pit. The burial pit was lined with a 12 ml liner. Impacted	d
material was placed in the burial pit, completely encapsulated and capped with a 20 ml liner, and covered with 3 feet of topsoil to grade. Impacted soil was disposed at an	
NMOCD approved facility.	

Attached you will	find a drawing indicating	g where samples were	collected below the liner.

l hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines , a general permit , or an (attached) alternative OCD-approved plan .

Date: 8.2-06

Printed Name/Title: Steve Almager, Production Supervisor

Signature \_\_\_\_\_

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval: Printed Name/Title L JOHDSON ENVIRO ENGR Date: 8.2.06 Signature

Form C-144 June 1, 2004





# Analytical Report

# **Prepared for:**

Cindy Crain Ocotillo Environmental 2125 French Dr. Hobbs, NM 88201

Project: New Mexico State M #52 Project Number: 6-0124 Location: Eunice, NM

Lab Order Number: 6G25006

Report Date: 07/26/06

Ocotillo Environmental 2125 French Dr. Hobbs NM, 88201

### Project: New Mexico State M #52 Project Number: 6-0124 Project Manager: Cindy Crain

### ANALYTICAL REPORT FOR SAMPLES

Laboratory ID	Matrix	Date Sampled	Date Received
6G25006-01	Soil	07/24/06 10:45	07/24/06 17:58
6G25006-02	Soil	07/24/06 10:48	07/24/06 17:58
6G25006-03	Soil	07/24/06 12:35	07/24/06 17:58
6G25006-04	Soil	07/24/06 13:40	07/24/06 17:58
6G25006-05	Soil	07/24/06 14:55	07/24/06 17:58
	6G25006-01 6G25006-02 6G25006-03 6G25006-04	6G25006-01 Soil 6G25006-02 Soil 6G25006-03 Soil 6G25006-04 Soil	6G25006-01         Soil         07/24/06 10:45           6G25006-02         Soil         07/24/06 10:48           6G25006-03         Soil         07/24/06 12:35           6G25006-04         Soil         07/24/06 13:40

### General Chemistry Parameters by EPA / Standard Methods

### **Environmental Lab of Texas**

r <u> </u>	····								
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-6 (6G25006-01) Soil							_		
Chloride	126	5.00	mg/kg	10	EG62505	07/25/06	07/26/06	EPA 300.0	
SS-7 (6G25006-02) Soil									
Chloride	23600	500	mg/kg	1000	EG62505	07/25/06	07/26/06	EPA 300.0	
SS-8 (6G25006-03) Soil									
Chloride	21500	500	mg/kg	1000	EG62505	07/25/06	07/26/06	EPA 300.0	
SS-9 (6G25006-04) Soil									
Chloride	17100	250	mg/kg	500	EG62505	07/25/06	07/26/06	EPA 300.0	
SS-10 (6G25006-05) Soil									
Chloride	10.2	5.00	mg/kg	10	EG62505	07/25/06	07/26/06	EPA 300.0	

Environmental Lab of Texas

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Page 2 of 4

Ocotillo Environmental	Project: New Mexico State M #52	Fax: (432) 367-6747
2125 French Dr.	Project Number: 6-0124	
Hobbs NM, 88201	Project Manager: Cindy Crain	

# General Chemistry Parameters by EPA / Standard Methods - Quality Control

## **Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG62505 - Water Extraction										
Blank (EG62505-BLK1)				Prepared:	07/25/06	Analyzed	: 07/26/06			
Chloride	ND	0.500	mg/kg			······				
LCS (EG62505-BS1)				Prepared:	07/25/06	Analyzed	07/26/06			
Chloride	10.2	0.500	mg/kg	10.0		102	80-120			
Calibration Check (EG62505-CCV1)				Prepared:	07/25/06	Analyzed	: 07/26/06			
Chloride	9.99		mg/L	10.0		99.9	80-120			
Duplicate (EG62505-DUP1)	Sou	urce: 6G2101	18-01	Prepared:	07/25/06	Analyzed	: 07/26/06			
Chloride	9730	250	mg/kg		9750			0.205	20	
Duplicate (EG62505-DUP2)	So	urce: 6G2500	)4-06	Prepared	07/25/06	Analyzed	: 07/26/06			
Chloride	55.4	5.00	mg/kg		58.1			4.76	20	
Matrix Spike (EG62505-MS1)	So	urce: 6G210	18-01	Prepared	07/25/06	Analyzed	: 07/26/06			
Chloride	15300	250	mg/kg	5000	9750	111	80-120			
Matrix Spike (EG62505-MS2)	So	urce: 6G250	04-06	Prepared	07/25/06	Analyzed	: 07/26/06			
Chloride	156	5.00	mg/kg	100	58.1	97.9	80-120			

Environmental Lab of Texas

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#### Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: 020 5 Date: 7-27-06

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

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Environmental Lab of Texas

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Page 4 of 4

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23		<u>55-8</u> 55-4		15'	15'	<u></u>	12:35	$\frac{1}{1}$	Ň		╋			$\left  \right $	_	<u>5</u> 5	╂┈	+	V			-+	-+	-+	+	┿	+	╉┦	⊢╂	╶┾
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# Environmental Lab of Texas Variance/ Corrective Action Report- Sample Log-In

;lient:	acotillo Envi
ate/ Time:	n/24/00 17:58
ab ID # :	6G25006
nitials:	- UK

# Sample Receipt Checklist

۰.

1	Temperature of container/ cooler?	Yes	No	4 °C	
2	Shipping container in good condition?	res	No		
3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
5	Chain of Custody present?	Yes	No		
3	Sample instructions complete of Chain of Custody?	res	No		
7	Chain of Custody signed when relinquished/ received?	<b>Ces</b>	No		
3	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont. (Lid)	*
9	Container label(s) legible and intact?	Yes	No	Not Applicable	
10	Sample matrix/ properties agree with Chain of Custody?	Jes	No		
11	Containers supplied by ELOT?	Yes	No		4
12	Samples in proper container/ bottle?	(es	No	See Below	
13	Samples properly preserved?	Yes	No	See Below	
14	Sample bottles intact?	Yes	No		
15	Preservations documented on Chain of Custody?	Aes	No		
16	Containers documetned on Chain of Custody?	Øes	No		
17	Sufficient sample amount for indicated test(s)?	Zes	No	See Below	
18	All samples received within sufficient hold time?	Yes	No	See Below	
19	VOC samples have zero headspace?	Yes	No	Not Applicable	

Contact:	Cassie Hobbs	Contacted by:	Jeannemanurrey	Date/ Time:	07-25-06 @0907
Regarding:	#8 5am	ple label discr	eparcy on SS-8		
Corrective A	Action Taken: Client wants	to reference C			
Check all th	at Apply: 🕅	See attached e-ma	i) fax and would like to proceed with a	analysis	

Client understands and would like to proceed with analysis Cooling process had begun shortly after sampling event

### Jeanne McMurrey

From:	"Cassie Hobbs" <cassie.hobbs@gmail.com></cassie.hobbs@gmail.com>
To:	"Jeanne McMurrey" <jeanne@elabtexas.com></jeanne@elabtexas.com>
Sent:	Tuesday, July 25, 2006 9:07 AM
Subject:	[Norton AntiSpam] Re: NM M State #52 samples

### Good Morning Jeanne,

The sample label should be SS-8. Sorry about that!

Cassie

### On 7/25/06, Jeanne McMurrey <jeanne@elabtexas.com> wrote:

Good Morning Cindy & Cassie,

We received your samples for NM M State #52. There is a discrepancy on the labeling of one sample.

сос	Label	Sample Time
55-8	SS-11	1235

The other four samples match. Please let me know what you would like to reference.

Thanks, Jeanne

Jeanne McMurrey Environmental Lab of Texas I, Ltd. 12600 West I-20 East Odessa, Texas 79765 432-563-1800

This message has been scanned for viruses and dangerous content by <u>BasinBroadband</u>, and is believed to be clean.

This message has been scanned for viruses and



# Analytical Report

# **Prepared for:**

Cindy Crain Ocotillo Environmental 2125 French Dr. Hobbs, NM 88201

Project: New Mexico State M #52 Project Number: 6-0124 Location: Eunice

Lab Order Number: 6G21016

Report Date: 07/26/06

Ocotillo Environmental	Project: New Mexico State M #52	Fax: (432) 367-6747
2125 French Dr.	Project Number: 6-0124	
Hobbs NM, 88201	Project Manager: Cindy Crain	

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-1	6G21016-01	Soil	07/21/06 11:05	07/21/06 16:31
<b>SS-</b> 2	6G21016-02	Soil	07/21/06 11:09	07/21/06 16:31
<b>SS-</b> 3	6G21016-03	Soil	07/21/06 11:13	07/21/06 16:31
SS-4	6G21016-04	Soil	07/21/06 11:17	07/21/06 16:31
<b>SS-</b> 5	6G21016-05	Soil	07/21/06 11:21	07/21/06 16:31

### Project: New Mexico State M #52 Project Number: 6-0124 Project Manager: Cindy Crain

# General Chemistry Parameters by EPA / Standard Methods

### **Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SS</b> -1 (6G <b>2</b> 1016-01) Soil									
Chloride	2370	50.0	mg/kg	100	EG62503	07/25/06	07/25/06	EPA 300.0	
SS-2 (6G21016-02) Soil									
Chloride	ND	5.00	mg/kg	10	EG62503	07/25/06	07/25/06	EPA 300.0	
SS-3 (6G21016-03) Soil									
Chloride	20.3	5.00	mg/kg	10	EG62503	07/25/06	07/25/06	EPA 300.0	
SS-4 (6G21016-04) Soil									
Chloride	20400	500	mg/kg	1000	EG62503	07/25/06	07/25/06	EPA 300.0	
SS-5 (6G21016-05) Soil								÷	
Chloride	103	5.00	mg/kg	10	EG62503	07/25/06	07/25/06	EPA 300.0	

Environmental Lab of Texas

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# General Chemistry Parameters by EPA / Standard Methods - Quality Control **Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG62503 - Water Extraction										
Blank (EG62503-BLK1)				Prepared	& Analyze	ed: 07/25/	06			
Chloride	ND	0.500	mg/kg							
LCS (EG62503-BS1)				Prepared	& Analyze	ed: 07/25/	06		•	
Chloride	8.83	0.500	mg/kg	10.0		88.3	80-120			
Calibration Check (EG62503-CCV1)				Prepared	& Analyze	ed: 07/25/	06			
Chloride	10.0		mg/L	10.0		100	80-120			
Duplicate (EG62503-DUP1)	So	urce: 6G210	10-06	Prepared	& Analyze	ed: 07/25/	06			
Chloride	1540	25.0	mg/kg		1640			6.29	20	
Duplicate (EG62503-DUP2)	So	urce: 6G210	17-01	Prepared	& Analyz	ed: 07/25/	06			
Chloride	1590	50.0	mg/kg		1520			4.50	20	
Matrix Spike (EG62503-MS1)	So	urce: 6G210	10-06	Prepared	& Analyz	ed: 07/25/	'06			
Chloride	2110	25.0	mg/kg	500	1640	94.0	80-120			
Matrix Spike (EG62503-MS2)	So	urce: 6G210	17-01	Prepared	& Analyz	ed: 07/25/	′06			
Chloride	2690	50,0	mg/kg	1000	1520	117	80-120			

Environmental Lab of Texas

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Page 3 of 4

	Ocotillo Environmental	Project: New Mexico State M #52	. Fax: (432) 367-6747
Í	2125 French Dr.	Project Number: 6-0124	
	Hobbs NM, 88201	Project Manager: Cindy Crain	

### **Notes and Definitions**

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate
MS	Matrix Spike

Report Approved By:

Rolandr Jud

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

Date:

7-26-06

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Page 4 of 4

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	Project Manager:	Cindy C	rain													Pro	ject	Nam	ne: _	Ħ.	an	<u>1."S</u>	572	<u>rt</u>	<u>,</u> *	<b>#</b>	52			
	Company Name	Ocotillo	Environm	ental														oject				-0								
	Company Addres	s: <u>2125 Fre</u>	ench Drive,	, P.O.	Box	1816										P	roje	ct Lo	ж:_		E	īn	<u>n'c</u>	e	•					
	City/State/Zip:	Hobbs, 1	NM 88241															РО	#:											
	Telephone No:	(505) 44	1-7244				Fax No:	. (43	2) 3(	67-67	47				Rej	oort l	Form	nat:	J	⊠s	itand	ard			TRR	P		NPD	ES	
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OLAB # (lab use only)	FIE 55-			Beginning Depth	Ending Depth	Date Sampled	Time Sampled	- No. of Containers	SUP	HNO <sub>3</sub> U	H₂SO₄ NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	None		DW=Drinking Water SL=Studge GW = Groundwater S=Solt/Solid	NP=Non-Potable Specify Other	TPH: 418.1 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (C) 604, C03, HC03)	SAR / ESP / CEC	Metals: As Ag ba Cd Cr Pb Hg Volatiles	Volatiles Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.					Standard TAT
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# Environmental Lab of Texas Variance/ Corrective Action Report- Sample Log-In

Client:	Ocotillo Env.
Date/ Time:	7/2/106 4:31
Lab ID # :	6621016
Initials:	CK

### Sample Receipt Checklist

<b></b>				(	Client Initials
#1	Temperature of container/ cooler?	Yes	No	5,0 °C	
#2	Shipping container in good condition?	res	No		·····
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	·
#4	Custody Seals intact on sample bottles/ container?	Yes	No	<not present<="" td=""><td></td></not>	
#5	Chain of Custody present?	(Tes)	No		
#6	Sample instructions complete of Chain of Custody?	res	No		
#7	Chain of Custody signed when relinquished/ received?	<b>C</b> S	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	Ip written on Cont./Lpd	
#9	Container label(s) legible and intact?	Yes	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	YES	No		
#11	Containers supplied by ELOT?	Yes	No		
#12	Samples in proper container/ bottle?	Yes	No	See Below	
#13	Samples properly preserved?	Yes	No	See Below	
#14	Sample bottles intact?	Yes	No		
#15	Preservations documented on Chain of Custody?	Yeş	No		
#16	Containers documetned on Chain of Custody?	Yes	No		
#17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#18	All samples received within sufficient hold time?	Yes	No	See Below	
#19	VOC samples have zero headspace?	Yes	No	Not Applicable	

### Variance Documentation

Check all that Apply:

See attached e-mail/ fax

Client understands and would like to proceed with analysis Cooling process had begun shortly after sampling event



# Analytical Report

# **Prepared for:**

Cindy Crain Ocotillo Environmental 2125 French Dr. Hobbs, NM 88201

Project: New Mexico State M #52 Project Number: None Given Location: Eunice

Lab Order Number: 6G19002

Report Date: 07/21/06

Ocotillo Environmental 2125 French Dr. Hobbs NM, 88201

### Project: New Mexico State M #52 Project Number: None Given Project Manager: Cindy Crain

### ANALYTICAL REPORT FOR SAMPLES

Laboratory ID	Matrix	Date Sampled	Date Received
6G19002-01	Soil	07/19/06 08:57	07/19/06 14:50
6G19002-02	Soil	07/19/06 09:00	07/19/06 14:50
6G19002-03	Soil	07/19/06 09:05	07/19/06 14:50
6G19002-04	Soil	07/19/06 09:11	07/19/06 14:50
6G19002-05	Soil	07/19/06 09:08	07/19/06 14:50
	6G19002-01 6G19002-02 6G19002-03 6G19002-04	6G19002-01         Soil           6G19002-02         Soil           6G19002-03         Soil           6G19002-04         Soil	6G19002-01         Soil         07/19/06 08:57           6G19002-02         Soil         07/19/06 09:00           6G19002-03         Soil         07/19/06 09:05           6G19002-04         Soil         07/19/06 09:11

# General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
							:	
6290	100	mg/kg	200	EG62108	07/21/06	07/21/06	EPA 300.0	
101	5.00	mg/kg	10	EG62108	07/21/06	07/21/06	EPA 300.0	
2520	50.0	mg/kg	100	EG62108	07/21/06	07/21/06	EPA 300.0	
25000	500	mg/kg	1000	EG62108	07/21/06	07/21/06	EPA 300.0	
	_							
24800	500	mg/kg	1000	EG62108	07/21/06	07/21/06	EPA 300.0	
	6290 101 2520 25000	Result         Limit           6290         100           101         5.00           2520         50.0           25000         500	Result         Limit         Units           6290         100         mg/kg           101         5.00         mg/kg           2520         50.0         mg/kg           25000         500         mg/kg	Result         Limit         Units         Dilution           6290         100         mg/kg         200           101         5.00         mg/kg         10           2520         50.0         mg/kg         100           25000         500         mg/kg         1000	Result         Limit         Units         Dilution         Batch           6290         100         mg/kg         200         EG62108           101         5.00         mg/kg         10         EG62108           2520         50.0         mg/kg         100         EG62108           2520         50.0         mg/kg         100         EG62108	Result         Limit         Units         Dilution         Batch         Prepared           6290         100         mg/kg         200         EG62108         07/21/06           101         5.00         mg/kg         10         EG62108         07/21/06           2520         50.0         mg/kg         100         EG62108         07/21/06           25000         50.0         mg/kg         100         EG62108         07/21/06	Result         Limit         Units         Dilution         Batch         Prepared         Analyzed           6290         100         mg/kg         200         EG62108         07/21/06         07/21/06           101         5.00         mg/kg         10         EG62108         07/21/06         07/21/06           2520         50.0         mg/kg         100         EG62108         07/21/06         07/21/06           25000         50.0         mg/kg         100         EG62108         07/21/06         07/21/06	Result         Limit         Units         Dilution         Batch         Prepared         Analyzed         Method           6290         100         mg/kg         200         EG62108         07/21/06         07/21/06         EPA 300.0           101         5.00         mg/kg         10         EG62108         07/21/06         07/21/06         EPA 300.0           2520         50.0         mg/kg         100         EG62108         07/21/06         07/21/06         EPA 300.0           25000         500         mg/kg         100         EG62108         07/21/06         07/21/06         EPA 300.0

Environmental Lab of Texas

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# General Chemistry Parameters by EPA / Standard Methods - Quality Control

# **Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG62108 - General Preparation	n (WetChen	1) <u> </u>								
Blank (EG62108-BLK1)				Prepared	& Analyze	ed: 07/21/	06			
Chloride	0.0710	0.500	mg/kg							
LCS (EG62108-BS1)				Prepared	& Analyze	ed: 07/21/	06			
Chloride	10.2	0.500	mg/kg	10.0		102	80-120			
Calibration Check (EG62108-CCV1)				Prepared	& Analyze	ed: 07/21/	06			
Chloride	10.2		mg/L	10.0	······································	102	80-120			
Duplicate (EG62108-DUP1)	So	urce: 6G190(	)3-01	Prepared	& Analyze	ed: 07/21/	06		1	
Chloride	14500	500	mg/kg		14700			1.37	20	
Matrix Spike (EG62108-MS1)	So	urce: 6G190(	03-01	Prepared	& Analyz	ed: 07/21/	06			
Chloride	25600	500	mg/kg	10000	14700	109	80-120			

Environmental Lab of Texas

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#### **Notes and Definitions**

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- Not Reported NR
- Sample results reported on a dry weight basis dry
- RPD Relative Percent Difference
- Laboratory Control Spike LCS
- MS Matrix Spike

Dup Duplicate

Kalanak-1-Report Approved By: Date: 7-21-06

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

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Page 4 of 4

# **Environmental Lab of Texas**

12600 West I-20 Eas Odessa, Texas 7976												СН	AIN	OF C	usı	rod	Y RE	CO	RD I	٩ND	AN.	9LY	'SIS I	REQ	UES	T		
Project M	anager: Cindy Crain												I	Proje	ect N	lam	e: N	Jei	ν	m	ux	20	0	51	a-	te ª	Μ"	#5
	y Name Ocotillo Coviron																											
	ddress: 2125 French Dri							_				_																
	ale/Zip: Hobbs, NM 88											-																
Telepho	DINE NO: (505) 441-7244		Fax No:	(.	43.2	$\tilde{\boldsymbol{\lambda}}$	36	•7 - I	107	47	1	-																
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	Email: Cindy. Crain @ gm											-		F			TCLF		Ą	naly	ize F	or:	 וו				]	
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Wyr 10		Date Sampled	Time Sampled	No. of Containers				ч	a	Other ( Specify)	ة ا	lge		Other (specify):	418.1	Callulis (La. Mg. Na. K)	SAR / ESP / CEC	Metals: As Aq Ba Cd Cr Pb Ho	iles	Semivolatiles	BTEX 3021B/5030 or BTEX 8260		2.14				RUSH TAT (Pre-Schedule	Standard
LAB # (lab use only)	FIELD CODE					ГОЛН Н	Ÿ	NaOH H <sub>2</sub> SO,	None	Ö	Wat	Sludge	Soil	Gt Ot			J AS	Meta	Votatiles	Sem	BTE	RCI	N O.R.M	<b> </b> -			ิรุกร	Stan
-0	55-1	7/19/00		1	K		_						V			1	1_		_								<b> </b>	Y
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# Environmental Lab of Texas Variance / Corrective Action Report – Sample Log-In

Client:	Ocofillo
Date/Time:	4/19/010 2:50
Order #:	6619002
Initials:	Cla

# Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	55	CI
Shipping container/cooler in good condition?	Pes	No		
Custody Seals intact on shipping container/cooler?	Yes	No	Not presa	nt
Custody Seals intact on sample bottles?	Yes	No	Mot prese	
Chain of custody present?	XES	No		1
Sample Instructions complete on Chain of Custody?	A SS	No		
Chain of Custody signed when relinquished and received?	des	No	T	
Chain of custody agrees with sample label(s)	Yes	No	FD on lid	
Container labels legible and intact?	Yes	No	T	
Sample Matrix and properties same as on chain of custody?	Xes	No	1	
Samples in proper container/bottle?	1 Des	No	1	· ]
Samples properly preserved?	YES	l No	1	
Sample bottles intact?	Yes	No No		
Preservations documented on Chain of Custody?	1 Yas	No		
Containers documented on Chain of Custody?	Ves	No	1	
Sufficient sample amount for indicated test?	Yas	No		
All samples received within sufficient hold time?	¥/69	l No		
VOC samples have zero headspace?	Yes	No	Not Applica	able

Other observations:

Contact Person: Regarding:	Variance Documentation: Date/Time:	Contacted by:	
Corrective Action Taken:	·		
er förs av			



# Analytical Report

# **Prepared for:**

Cindy Crain Ocotillo Environmental 2125 French Dr. Hobbs, NM 88201

Project: New Mexico State M #52 Project Number: None Given Location: Eunice

Lab Order Number: 6G17009

Report Date: 07/20/06

### Project: New Mexico State M #52 Project Number: None Given Project Manager: Cindy Crain

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-1	6G17009-01	Soil	07/17/06 12:27	07/17/06 16:10
SS-2	6G17009-02	Soil	07/17/06 12:29	07/17/06 16:10
SS-3	6G17009-03	Soil	07/17/06 12:31	07/17/06 16:10
SS-4	6G17009-04	Soil	07/17/06 12:34	07/17/06 16:10
SS-5	6G17009-05	Soil	07/17/06 12:37	07/17/06 16:10

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

## General Chemistry Parameters by EPA / Standard Methods

**Environmental Lab of Texas** 

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-1 (6G17009-01) Soil									
Chloride	22300	500	mg/kg	1000	EG61812	07/18/06	07/19/06	EPA 300.0	
SS-2 (6G17009-02) Soil								, 4 <u>,</u>	
Chloride	16900	500	mg/kg	1000	EG61812	07/18/06	07/19/06	EPA 300.0	
SS-3 (6G17009-03) Soil									
Chloride	1740	25.0	mg/kg	50	EG61812	07/18/06	07/19/06	EPA 300.0	
SS-4 (6G17009-04) Soil									
Chloride	18200	500	mg/kg	1000	EG61812	07/18/06	07/19/06	EPA 300.0	
SS-5 (6G17009-05) Soil									
Chloride	2800	25.0	mg/kg	50	EG61812	07/18/06	07/19/06	EPA 300.0	

Environmental Lab of Texas

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# General Chemistry Parameters by EPA / Standard Methods - Quality Control

### **Environmental Lab of Texas**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EG61812 - Water Extraction										
Blank (EG61812-BLK1)				Prepared:	07/18/06	Analyzed	i: 07/19/06			
Chloride	ND	0.500	mg/kg							
LCS (EG61812-BS1)				Prepared:	07/18/06	Analyzed	1: 07/19/06			
Chloride	. 10.4	0.500	mg/kg	10.0		104	80-120			
Calibration Check (EG61812-CCV1)				Prepared:	07/18/06	Analyzed	1: 07/19/06			
Chloride	10.1		mg/L	10.0		101	80-120			
Duplicate (EG61812-DUP1)	Sou	rce: 6G170	08-01	Prepared:	07/18/06	Analyze	1: 07/19/06			
Chloride	185	5.00	mg/kg		179			3.30	20	
Duplicate (EG61812-DUP2)	Sou	irce: 6G1700	08-11	Prepared:	07/18/06	Analyze	t: 07/19/06		:	
Chloride	635	0.500	mg/kg		639			0.628	20	
Matrix Spike (EG61812-MS1)	Sou	irce: 6G1700	08-01	Prepared	& Analyz	ed: 07/19/	'06			
Chloride	291	5.00	mg/kg	100	179	112	80-120			
Matrix Spike (EG61812-MS2)	Soi	arce: 6G170	08-11	Prepared	& Analyz	ed: 07/19/	′06			
Chloride	877	10.0	mg/kg	200	639	119	80-120			S-

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas. Page 3 of 4

#### **Notes and Definitions**

S-07 Recovery outside Laboratory historical or method prescribed limits.

DET Analyte DETECTED

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- LCS Laboratory Control Spike
- MS Matrix Spike
- Dup Duplicate

Report Approved By: Kalandk Juak 7-20-06 Date:

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

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Page 4 of 4

# Environmental Lab of Texas

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12600 West 1/20 East Odessa, Texas 79765	Phone: 432 <u>-</u> 563-1800 Fax: 432-563-1713										СНА	AIN C	OF CI	JSTC	DY	REC	ORD	) AN	D AN	VALI	(SIS-1	REQI	JEST		
Project Manage	er: Cindy Crain									<b>.</b>	-	Р	roje	ct Na	me:,	Né	w	Me	<u>e</u> M	` <u>(</u> 0	S	ta	e")	M"	#ç
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City/State/Zi	p: Hobbs, NM 88	241									-			Ť	C`#:										<u></u>
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109		npled	npled	ntainers					ccify)				1005	Ŷ	Minas (C) SO4. CO3. HCO3)	CEC	Metals: As Ag Ba Cd Cr Pb Hg Se		s 8/5030 or ATEX 8260						RUSH TAT (Pre-Schedule) Standard TAT
LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers			NaOH	H <sub>2</sub> SO.	None Other ( Specify)	Water	Sludge	Soil	Uther (specify): TPH: 418.1 8015M	Cations (Ca.	1 1	SAR / ESP /	Metals: As A	Votatiles	BTFX 30215	RCI	N O.R.M.				RUSH TAT (P Standard TAT
-0[ -0[ -02 -03 -03 -04 -05	<u>SS-1</u> SS-Z	7/17/06			X						┼╌┼	4	- -	+-					4-						
-03	<u>55-2</u> SS-3	10	12:29	1	$\hat{\chi}$	÷	-		-{	╢╴	┼┼	$\frac{v}{v}$	╋	-	$\overline{\mathbf{V}}$			-		1-	$\left  - \right $			<b>├</b> ┣-	
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# Environmental Lab of Texas Variance / Corrective Action Report – Sample Log-In

Client:	Ocotillo
Date/Time:	7/17/04 4:10
Order #:	106917009
Initials:	()A

# Sample Receipt Checklist

l'emperature of container/cooler?	Yes	No	1 4,5 C
Shipping container/cooler in good condition?	XESS	No	715 0
Custody Seals intact on shipping container/cooler?	Yes	No	At the second se
Custody Seals intact on sample bottles?	Yes	No	Mot present
Chain of custody present?			<pre>chot-present</pre>
Sample Instructions complete on Chain of Custody?	A SS	No	
Chain of Custody signed when relinquished and received?	<b>AGS</b>	No	
Chain of custody signed when reiniquished and received?	E	No	
Chain of custody agrees with sample label(s)	Yes	No	Iton ar
Container labels legible and intact?	Yes	No	For the
Sample Matrix and properties same as on chain of custody?	YES	Na	
Samples in proper container/bottle?	Xes	No	
Samples properly preserved?			
Sample bottles intact?	<u>Jes</u>	No	
Preservations documented on Chain of Custody?	Yes	No	
Container desurrented en Chain of Custody?	Yes I	No	
Containers documented on Chain of Custody?	Yes	No	
Sufficient sample amount for indicated test?	Yes	No	
All samples received within sufficient hold time?	¥85	No	
VOC samples have zero headspace?	Yes		
	1 165 1	No	Nct Apolicable

Other observations:

 

 Variance Documentation:

 Contact Person: -\_\_\_\_\_ Date/Time: \_\_\_\_\_\_ Contacted by: \_\_\_\_\_\_

 Regarding: Corrective Action Taken: \_\_\_\_\_

·