



INFORMATION ONLY

December 13, 2016

#5B23439-BG6

NMOCD District I
1625 N French
Hobbs, NM

SUBJECT: UPDATE REPORT FOR INCIDENT 1RP-3771 RED HILLS WEST SWD #001, LEA COUNTY, NEW MEXICO

Dear Dr. Oberding:

Souder, Miller & Associates (SMA) responded at the request of Mewbourne Oil Company (MOC) to assess and reseed the affected soils associated with the Red Hills West SWD #001 well location. The release was initially reported to NMOCD by Mewbourne Oil Company on July 27, 2015 and was a result of damage caused by a lightning strike. The table below summarizes the results of the assessment, reseeding, and revegetation activities follow in the attached report.

Please feel free to contact either of us.

Submitted by:

SOUDER, MILLER & ASSOCIATES

Austin Weyant
Project Scientist

Reviewed by:

Cynthia Gray, CHMM
Senior Scientist

UPDATED REPORT FOR REVEGETATION OF INCIDENT 1RP-3771

MEWBOURNE OIL COMPANY
RED HILLS WEST SWD #001
API# 30-025-40162
SECTION 16, T26S R32E, NMPM
LEA COUNTY, NM



Prepared for:
Zach Thomas
Mewbourne Oil Company
P.O. Box 7698
Tyler, TX 75711



Prepared by:
Souder, Miller & Associates
201 S. Halagueno
Carlsbad, NM 88221
575-689-7040

December 13, 2016
SMA Reference
5B23439 BG6

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1.0 Introduction

On behalf of Mewbourne Oil Company (MOC), Souder, Miller & Associates (SMA) has prepared this report to describe the soil assessment, initial reseeding, and mitigation of a release associated with the Red Hills West SWD #001 release site. The site is located in Section 16, T 26S, R 32E NMPM, Lea County, New Mexico, on land owned by the State of New Mexico. Figure 1 illustrates the vicinity and location of the site.

2.0 Assessment and Results

The release site is located approximately 15 miles northeast of the Pecos River, in an area owned by the State with an elevation of approximately 3,200 feet above sea level. After evaluation of the site using aerial photography and topographic maps, and New Mexico Office of the State Engineer's (NMOSE) records, depth to groundwater is estimated to be greater than 100 feet below ground surface (bgs).

SMA collected both discrete and composite soil samples across the affected location for contaminate and soil fertility data.

3.0 Work Summary

On November 1st after receiving 811 clearances, Souder Miller & Associates and their sub-contractors began sampling and soil bore operations. SMA and Mewbourne Oil Company Field personnel assessed the release area onsite with a gas-powered auger, Photo Ionization Detector (PID), and a mobile chlorides titration kit. The potentially affected area was found contain no detectable hydrocarbons or elevated (higher than background) levels of chlorides.

The site delineation soil bores were carried to depths of 12 feet below surface grade (bgs). all samples from the surface to four feet below surface grade were found to exhibit only background levels of all contaminants of concern. Specific sample locations for all samples are depicted on Figure 2 (Sample Location Map) along with sampling details. Field screening results are noted in Table 3 in the appendices along with the summary of laboratory analytical results. Samples were collected and processed by SMA field personnel per NMOCD soil sampling procedures and SMA best practices.

Because the field screening did not indicate the presence of petroleum, the samples were sent under chain-of-custody protocols to Cardinal Analysis Laboratory for analysis for Total Chlorides using EPA Method 300.0.

4.0 Conclusions

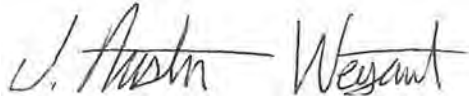
All the field samples collected on November 1st 2016 indicated that the salt plume has moved down in the soil profile but there is no evidence of capillary action has returned any chloride to the root zone. The laboratory confirmed field data Figures 2. All raw data is located (Appendix A).

If there are any questions regarding this report, please contact either Austin Weyant at 575-689-7040 or Cindy Gray at 505-325-7535.

Submitted by:

Reviewed by:

SOUDER, MILLER & ASSOCIATES



Austin Weyant
Project Scientist



Cynthia Gray, CHMM
Senior Scientist

Figures:

Figure 1: Vicinity Map

Figure 2: Detailed Site and Sample Map

Tables:

Table 1: Summary of Field Analysis

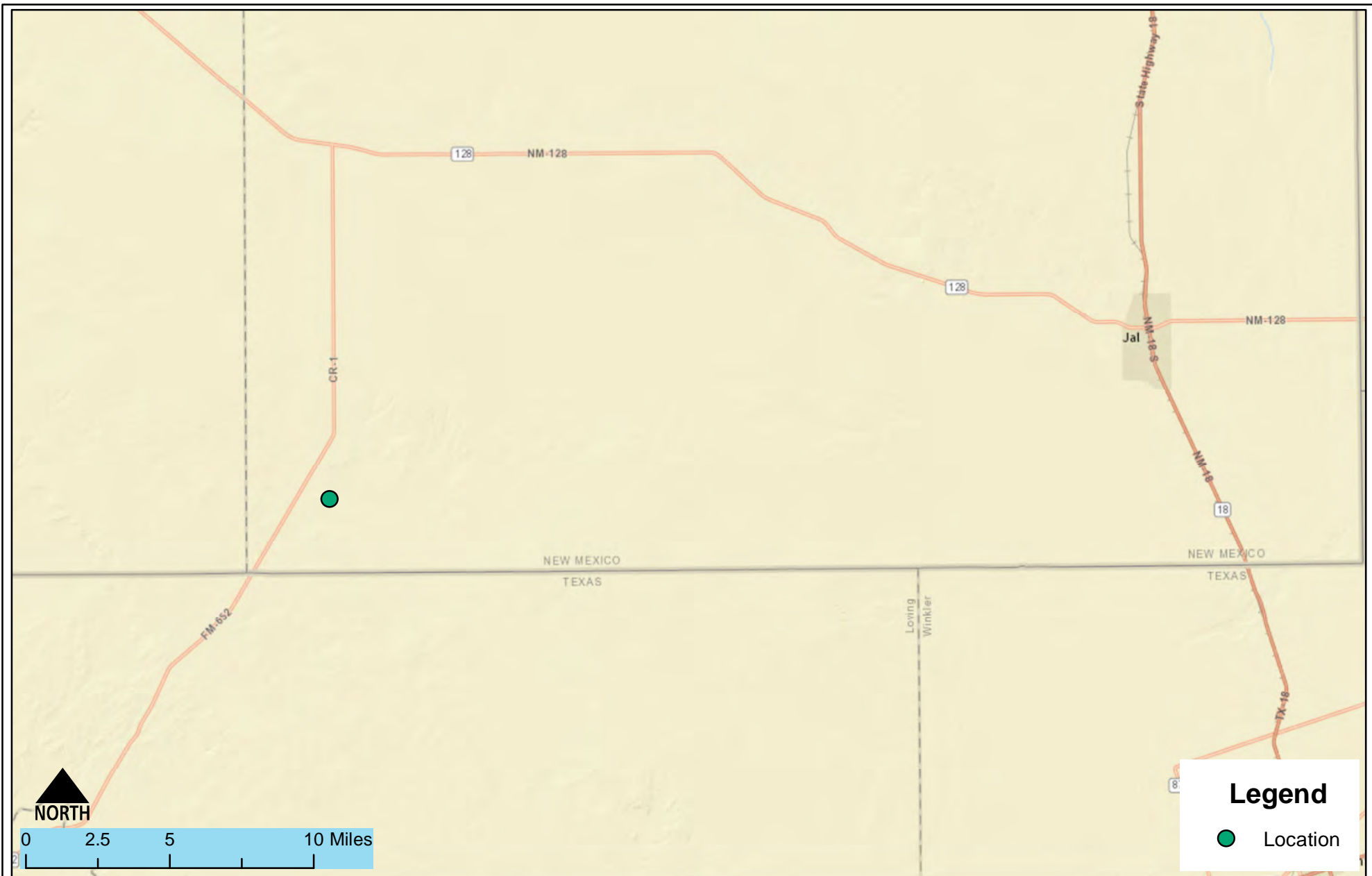
Table 2: Summary of Laboratory Analyses

Appendices:

Appendix A: Laboratory Analytical Reports

Appendix B: Field Notes

FIGURE 1 VICINITY MAP



Vicinity Map
Mewbourne-Red Hills West SWD
Jal, New Mexico

Figure 1

Date Saved:
10/20/2015

By: _____ Date: _____
By: _____ Date: _____
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Revisions

Descr: _____
Descr: _____

Drawn Lucas Middleton
Checked _____
Approved _____



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FIGURE 2

DETAILED SITE AND SAMPLE MAP



Detailed Sample Map
Mewnourne -Red Hills West SWD
Malaga, New Mexico

Figure 2

Date Saved:
3/21/2017

By: _____	Date: _____	Revisions	Descr: _____
By: _____	Date: _____		Descr: _____

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Drawn	<u>Lucas Middleton</u>
Checked	_____
Approved	_____



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TABLE 1

SUMMARY OF FIELD DATA

Table 1: Summary of Field Screening Results

Red Hills West SWD

Produced Water

11/1/16

FIELD SCREENING RESULTS SUMMARY					
Date	Time	Field Screening Reference	Sample Depth (Feet BGS)	Chlorides Results	Lab Sample Collected Y/N
11/1/2016	9:30	SB1-A-1'	1	128	Y
11/1/2016	9:30	SB1-A-2'	2	160	N
11/1/2016	9:30	SB1-A-3'	3	160	N
11/1/2016	9:30	SB1-A-4'	4	220	Y
11/1/2016	9:30	SB1-A-5'	5	160	N
11/1/2016	9:30	SB1-A-6'	6	114	N
11/1/2016	9:30	SB1-A-7'	7	>100	N
11/1/2016	9:30	SB1-A-8'	8	205	Y
11/1/2016	10:00	SB1-B-1'	1	>100	Y
11/1/2016	10:00	SB1-B-2'	2	>100	Y
11/1/2016	10:00	SB1-B-3'	3	>100	N
11/1/2016	10:00	SB1-B-4'	4	>100	Y
11/1/2016	10:00	SB1-B-5'	5	>100	N
11/1/2016	10:00	SB1-B-6'	6	>100	N
11/1/2016	10:30	SB2-1'	1	>100	Y
11/1/2016	10:30	SB2-2'	2	>100	N
11/1/2016	10:30	SB2-3'	3	>100	N
11/1/2016	11:00	SB2-4'	4	>100	Y
11/1/2016	11:00	SB2-5'	5	1230	Y
11/1/2016	11:00	SB2-6'	6	1200	Y
11/1/2016	11:00	SB2-7'	7	1180	N
11/1/2016	11:00	SB2-8'	8	1250	Y
11/1/2016	11:00	SB2-9'	9	160	N
11/1/2016	11:00	SB2-10'	10	114	N
11/1/2016	11:00	SB2-11'	11	118	N
11/1/2016	11:45	SB2-12'	12	>100	Y
11/1/2016	11:45	SB3-1'	1	112	N
11/1/2016	11:45	SB3-2'	2	160	N
11/1/2016	11:45	SB3-3'	3	>100	N
11/1/2016	11:45	SB3-4'	4	>100	N
11/1/2016	11:45	SB3-5'	5	>100	N
11/1/2016	11:45	SB3-6'	6	>100	N



TABLE 2

SUMMARY OF LAB DATA

Table 3: Summary of Laboratory Analyses

Analytical Report- 1,611,403	Sample Number on Figure 2 Map	Sample Date	Depth	BTEX ppm	Benzene mg/Kg	GRO mg/Kg	DRO mg/Kg	Cl- mg/Kg
1611403-001	SB2	11/1/2016	1'	N/A	N/A	N/A	N/A	>30
1611403-002	SB2	11/1/2016	4'	N/A	N/A	N/A	N/A	>30
1611403-003	SB2	11/1/2016	8'	N/A	N/A	N/A	N/A	220
1611403-004	SB2	11/1/2016	5'	N/A	N/A	N/A	N/A	1100
1611403-005	SB2	11/1/2016	6'	N/A	N/A	N/A	N/A	1100
1611403-006	SB2	11/1/2016	12'	N/A	N/A	N/A	N/A	750
1611403-007	SB1	11/1/2016	1'	N/A	N/A	N/A	N/A	110
1611403-008	SB1	11/1/2016	4'	N/A	N/A	N/A	N/A	180
1611403-009	SB1	11/1/2016	8'	N/A	N/A	N/A	N/A	190
1611403-010	SB 1B	11/1/2016	1'	N/A	N/A	N/A	N/A	>30

APPENDIX A

LABORATORY ANALYTICAL REPORTS



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 15, 2016

Austin Weyant
Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL: (575) 689-7040
FAX

RE: Red Hills West

OrderNo.: 1611403

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 12 sample(s) on 11/8/2016 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order: 1611403

Date Reported: 11/15/2016

CLIENT: Souder, Miller & Associates
Project: Red Hills West

Lab Order: 1611403

Lab ID: 1611403-001

Collection Date: 11/1/2016 9:00:00 AM

Client Sample ID: SB-2-1

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	11/11/2016 11:08:29 AM	28622

Lab ID: 1611403-002

Collection Date: 11/1/2016 9:00:00 AM

Client Sample ID: SB-2-4

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	11/11/2016 11:45:43 AM	28622

Lab ID: 1611403-003

Collection Date: 11/1/2016 9:00:00 AM

Client Sample ID: SB-2-8

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	220	30		mg/Kg	20	11/11/2016 11:58:07 AM	28622

Lab ID: 1611403-004

Collection Date: 11/1/2016 9:00:00 AM

Client Sample ID: SB-2-5

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	1100	30		mg/Kg	20	11/11/2016 12:35:20 PM	28622

Lab ID: 1611403-005

Collection Date: 11/1/2016 9:00:00 AM

Client Sample ID: SB-2-6

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	1100	30		mg/Kg	20	11/11/2016 12:47:44 PM	28622

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order: 1611403

Date Reported: 11/15/2016

CLIENT: Souder, Miller & Associates
Project: Red Hills West

Lab Order: 1611403

Lab ID: 1611403-006 **Collection Date:** 11/1/2016 9:00:00 AM
Client Sample ID: SB-2-12 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS Analyst: LGT							
Chloride	750	30		mg/Kg	20	11/11/2016 1:00:08 PM	28622

Lab ID: 1611403-007 **Collection Date:** 11/1/2016 9:00:00 AM
Client Sample ID: SB1-1 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS Analyst: LGT							
Chloride	110	30		mg/Kg	20	11/11/2016 1:12:33 PM	28622

Lab ID: 1611403-008 **Collection Date:** 11/1/2016 9:00:00 AM
Client Sample ID: SB1-4 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS Analyst: LGT							
Chloride	180	30		mg/Kg	20	11/11/2016 1:24:58 PM	28622

Lab ID: 1611403-009 **Collection Date:** 11/1/2016 9:00:00 AM
Client Sample ID: SB-1-8 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS Analyst: LGT							
Chloride	190	30		mg/Kg	20	11/11/2016 1:37:23 PM	28622

Lab ID: 1611403-010 **Collection Date:** 11/1/2016 9:00:00 AM
Client Sample ID: SB#1B-1 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS Analyst: LGT							
Chloride	ND	30		mg/Kg	20	11/11/2016 1:49:48 PM	28622

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical ReportLab Order: **1611403**Date Reported: **11/15/2016****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Souder, Miller & Associates
Project: Red Hills West**Lab Order:** 1611403**Lab ID:** 1611403-011**Collection Date:** 11/1/2016 9:00:00 AM**Client Sample ID:** SB#1B-2**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	11/11/2016 2:02:12 PM	28622

Lab ID: 1611403-012**Collection Date:** 11/1/2016 9:00:00 AM**Client Sample ID:** SB#1B-4**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	11/11/2016 2:14:36 PM	28622

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1611403

15-Nov-16

Client: Souder, Miller & Associates

Project: Red Hills West

Sample ID	MB-28622		SampType:	MBLK		TestCode:	EPA Method 300.0: Anions				
Client ID:	PBS		Batch ID:	28622		RunNo:	38671				
Prep Date:	11/11/2016		Analysis Date:	11/11/2016		SeqNo:	1207735		Units:	mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride	ND	1.5									

Sample ID	LCS-28622		SampType: LCS		TestCode: EPA Method 300.0: Anions					
Client ID:	LCSS		Batch ID: 28622		RunNo: 38671					
Prep Date:	11/11/2016		Analysis Date: 11/11/2016		SeqNo: 1207736		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.6	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

Sample Log-In Check List

Client Name: SMA-CARLSBAD

Work Order Number: 1611403

RcptNo: 1

Received by/date:	LC	11/08/16
Logged By:	Lindsay Mangin	11/8/2016 10:10:00 AM
Completed By:	Lindsay Mangin	11/8/2016 2:49:04 PM
Reviewed By:	AS	11/08/16

Chain of Custody

- Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
- Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
- How was the sample delivered? Courier

Log In

- Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
- Were all samples received at a temperature of >0° C to 6.0°C Yes ☒ No ☐ NA ☐
- Sample(s) in proper container(s)? Yes ☒ No ☐
- Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
- Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
- Was preservative added to bottles? Yes ☐ No ☒ NA ☐
- VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
- Were any sample containers received broken? Yes ☐ No ☒
- Does paperwork match bottle labels? Yes ☒ No ☐
(Note discrepancies on chain of custody)
- Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
- Is it clear what analyses were requested? Yes ☒ No ☐
- Were all holding times able to be met? Yes ☒ No ☐
(If no, notify customer for authorization.)

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by:

Special Handling (if applicable)

- Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:		Date:	
By Whom:		Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:			
Client Instructions:			

- Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.8	Good	Yes			

CHAIN-OF-CUSTODY RECORD

Client:

SMA

Mailing Address:

701 S

Phone #:

HAWKINS
(505) 345-7400

email or Fax#:

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation:

☐ NELAP ☐ Other

☐ EDD (Type)

Date

Time

Sample Request ID

Container Type and #

Preservative Type

HEAL No

11/1 9AM SOL SB-2-1 402 1 -001

SB-2-4 -002

SB-2-8 -003

SB-2-5 -004

SB-2-6 -005

SB-2-12 -006

SB-1-1 -007

SB-1-4 -008

SB-1-10 -009

SB-1B-1 -010

SB-1B-2 -011

SB-1B-4 -012

Date:

Time:

Relinquished by:

Received by:

Date

Time

Date:

Time:

Relinquished by:

Received by:

Date

Time

Remarks:

per AW cl only / 11/08/16



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

BTEX + MTBE + TMBs (8021)

BTEX + MTBE + TPH (Gas only)

TPH Method 8015B (Gas/Diesel)

TPH (Method 418.1)

EDB (Method 504.1)

8310 (PNA or PAH)

RCRA 8 Metals

Anions (F, Cl, NO₃, NO₂, PO₄, SO₄)

8081 Pesticides / 8082 PCBs

8260B (VOA)

8270 (Semi-VOA)

Air Bubbles (Y or N)

APPENIDX B: FIELD NOTES

SUBJECT RED HILLS WEST SWD

PROJECT

PAGE

1/3

CLIENT MENDOURNE OIL

DATE

11/1/14

BY

JAW

14 T26S37E30-025-40162

CHECKED

BY

-ON LOCATION 7AM SSA 9:30 AM

-START SAMPLE SB1-A @ 9:40 AM

SB1-B @ 10:00 AM

SB2- @ 11:00 AM

SB3- @ 11:35 AM

SB1-A-LOG

DEPTH	EC	NAME	SOIL LOG
1	0.25	SB1A-1	B HORIZON / PAD (PID ND)
2	0.35	SB1A-2	B HORIZON / PAD (PID ND)
3	0.26	SB1A-3	B+K SANDY CLAY LOAM
4	0.24	SB1A-4	SANDY CLAY LOAM
5	0.21	SB1A-5	FINE SAND
6	0.20	SB1A-6	FINE SAND
7	0.38	SB1A-7	FINE SAND
8	0.20	SB1A-8	FINE SAND

SB1-B-LOG

DEPTH	EC	NAME	LOG
1	0.38	SB1B-1	B HORIZON / PAD (PID ND)
2	0.08	SB1B-2	B HORIZON / PAD (PID ND)
3	0.08	SB1B-3	FINE SAND
4	0.00	SB1B-4	FINE SANDY LOAM
5	0.06	SB1B-5	FINE SANDY LOAM
6	0.03	SB1B-6	CEMENTED CALCAREOUS MATERIAL

SB2 - LOG

DEPTH	FL	SAMPLE	LOG
1	0.03	SB2-1	FINE SAND (PIDND)
2	0.05	SB2-2	FINE SAND
3	0.05	SB2-3	FINE SAND
4	0.12	SB2-4	FINE SANDY LOAM
5	1.35, 1.30	SB2-5	FINE SANDY LOAM
6	1.32, 1.33	SB2-6	FINE SANDY LOAM
7	1.38, 1.30	SB2-7	FINE SANDY LOAM
8	1.40, 1.35	SB2-8	FINE SANDY LOAM
9	0.84	SB2-9	CALCIAS CEMENTED MAT
10	0.57	SB2-10	CALCIAS CEMENTED MAT
	0.59	SB2-11	CALCIAS CEMENTED MAT
12	0.08, 0.07	SB2-12	CALCIAS CEMENTED MAT

SB3 - LOG

1	0.03	SB3-1	FINE SAND (PIDND)
2	0.03	SB3-2	FINE SAND (PIDND)
3	0.05	SB3-3	FINE SANDY LOAM
4	0.05, 0.05	SB3-4	FINE SANDY LOAM
5	0.02, 0.00	SB3-5	FINE SAND
6	0.00, 0.01	SB3-6	FINE SAND