UICI - 5

WASTE ANALYSES INFO

2016

District I
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

Form C-138
Revised 08/01/11

*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address:
Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401

2. Originating Site:
Rattlesnake Compressor Station

3. Location of Material (Street Address, City, State or ULSTR):
UL H Section 16, T32N, R9W; 36.987603, -1070.77771, San Juan County, NM

4. Source and Description of Waste:
Source: Water from the Non Exempt Water Tanks and from the compressor skid drains.
Description: Non Exempt/Non Hazardous Water from the compressor skids.
Estimated Volume 160 yd³ / bbls Known Volume (to be entered by the operator at the end of the haul) 762 yd³ / bbls

5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, Thomas Long Thomas Long, representative or authorized agent for Enterprise Products Operating do hereby
Generator Signature
certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

☐ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. ***Operator Use Only: Waste Acceptance Frequency*** ☐ ***Monthly*** ☐ ***Weekly*** ☐ ***Per Load***

☒ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☐ MSDS Information ☒ RCRA Hazardous Waste Analysis ☒ Process Knowledge ☐ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, Thomas Long Thomas Long 2-26-16, representative for Enterprise Products Operating authorize to complete
Generator Signature
the required testing/sign the Generator Waste Testing Certification.

I, _____, representative for _____Agua Moss, LLC_____ do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

6. Transporter: Triple S Trucking

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: ***Agua Moss, LLC - Permit #: NM-01-009**
Address of Facility: **SW/4 NW/4 Section 2, Township 29N, Range Crouch Mesa, NM**

Method of Treatment and/or Disposal:
☐ Evaporation ☒ Injection ☐ Treating Plant ☐ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:
☐ **APPROVED** ☐ **DENIED** (Must Be Maintained As Permanent Record)

PRINT NAME: Adrian Henderson TITLE: Operator DATE: 1/2/17
SIGNATURE: _____ TELEPHONE NO.: (505)334-6186
Surface Waste Management Facility Authorized Agent

Chain-of-Custody Record

Client: SMA

Mailing Address: 401 W. Broadway Farmington NM 87401

Phone #:

Email or Fax#: Ashley.maxwell@scsdamilk.com

QA/QC Package: ☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time: ☐ Standard ☒ Rush ASAP

Project Name: Rattlesnake Plant

Project #: Non Exempt Tank

Project Manager: Tom Long / Ashley Maxwell

Sampler: Randy Watson

On Ice: ☒ Yes ☐ No

Sample Temperature: 2.4

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1602801	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals TCLP	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)
2-18-16	12:45	H_2O	Non Exempt Waste Tank	Various	Various	-001						X	X			X		

Analysis Request

Relinquished by:	Date	Time	Received by:	Date	Time
Randy Watson	2/18/16	1304	Misty Wade	2/18/16	1340
Misty Wade	2/18/16	1757	Jane Grant	02/19/16	0800

Remarks: Please report at TCLP limits

CC. Tom Long Enterprise

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **SMA-FARM** Work Order Number: **1602801** RcptNo: 1

Received by/date: 02/19/16

Logged By: **Lindsay Mangin** **2/19/2016 8:00:00 AM**

Completed By: **Lindsay Mangin** **2/19/2016 8:57:54 AM**

Reviewed By: MG 02/19/16

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved? 02/19/16	Yes ☑	No ☐	
9. Was preservative added to bottles? For metals analysis: Added 1mL HNO3 to ~pH<2 for acceptable pH.	Yes ☑	No ☐	NA ☐
10. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐ 02/19/16 @1023
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: 1 (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted? Yes
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by:

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.4	Good	Yes			

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602801**

25-Feb-16

Client: Souder, Miller and Associates

Project: Rattlesnake Plant

Sample ID **1602801-001CMSD** SampType: **MSD** TestCode: **EPA 6010B: Total Recoverable Metals**

Client ID: **Non Exempt Waste** Batch ID: **23874** RunNo: **32402**

Prep Date: **2/22/2016** Analysis Date: **2/25/2016** SeqNo: **990810** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	ND	100	0.5000	0.2242	91.9	75	125	0	20	
Cadmium	ND	1.0	0.5000	0	95.8	75	125	0	20	
Chromium	ND	5.0	0.5000	0	89.8	75	125	0	20	
Lead	ND	5.0	0.5000	0	93.8	75	125	0	20	
Selenium	ND	1.0	0.5000	0	96.8	75	125	0	20	
Silver	ND	5.0	0.1000	0	92.2	75	125	0	20	

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#: **1602801**

25-Feb-16

Client: Souder, Miller and Associates

Project: Rattlesnake Plant

Sample ID	MB-23874	SampType:	MBLK	TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	PBW	Batch ID:	23874	RunNo:	32402				
Prep Date:	2/22/2016	Analysis Date:	2/25/2016	SeqNo:	990798	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.020								
Barium	ND	0.020								
Cadmium	ND	0.0020								
Chromium	ND	0.0060								
Lead	ND	0.0050								
Selenium	ND	0.050								
Silver	ND	0.0050								

Sample ID	LCS-23874	SampType:	LCS	TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	LCSW	Batch ID:	23874	RunNo:	32402				
Prep Date:	2/22/2016	Analysis Date:	2/25/2016	SeqNo:	990799	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.50	0.020	0.5000	0	99.7	80	120			
Barium	0.48	0.020	0.5000	0	95.6	80	120			
Cadmium	0.49	0.0020	0.5000	0	98.4	80	120			
Chromium	0.47	0.0060	0.5000	0	94.7	80	120			
Lead	0.48	0.0050	0.5000	0	96.1	80	120			
Selenium	0.50	0.050	0.5000	0	101	80	120			
Silver	0.099	0.0050	0.1000	0	98.5	80	120			

Sample ID	1602801-001CMS	SampType:	MS	TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	Non Exempt Waste	Batch ID:	23874	RunNo:	32402				
Prep Date:	2/22/2016	Analysis Date:	2/25/2016	SeqNo:	990807	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	5.0	0.5000	0	97.8	75	125			
Barium	ND	100	0.5000	0.2242	92.2	75	125			
Cadmium	ND	1.0	0.5000	0	96.4	75	125			
Chromium	ND	5.0	0.5000	0	90.6	75	125			
Lead	ND	5.0	0.5000	0	94.0	75	125			
Selenium	ND	1.0	0.5000	0	98.2	75	125			
Silver	ND	5.0	0.1000	0	90.8	75	125			

Sample ID	1602801-001CMSD	SampType:	MSD	TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	Non Exempt Waste	Batch ID:	23874	RunNo:	32402				
Prep Date:	2/22/2016	Analysis Date:	2/25/2016	SeqNo:	990810	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	5.0	0.5000	0	95.8	75	125	0	20	

Qualifiers:

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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#: **1602801**

25-Feb-16

Client: Souder, Miller and Associates
Project: Rattlesnake Plant

Sample ID	MB-23897	SampType:	mblk	TestCode:	EPA Method 7470: Mercury					
Client ID:	PBW	Batch ID:	23897	RunNo:	32351					
Prep Date:	2/23/2016	Analysis Date:	2/24/2016	SeqNo:	988871	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.00020								

Sample ID	LCS-23897	SampType:	lcs	TestCode:	EPA Method 7470: Mercury					
Client ID:	LCSW	Batch ID:	23897	RunNo:	32351					
Prep Date:	2/23/2016	Analysis Date:	2/24/2016	SeqNo:	988872	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0048	0.00020	0.005000	0	96.6	80	120			

Sample ID	1602801-001CMS	SampType:	MS	TestCode:	EPA Method 7470: Mercury					
Client ID:	Non Exempt Waste	Batch ID:	23897	RunNo:	32351					
Prep Date:	2/23/2016	Analysis Date:	2/24/2016	SeqNo:	988893	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0020	0.0010	0.005000	0	39.1	75	125			S

Sample ID	1602801-001CMSD	SampType:	MSD	TestCode:	EPA Method 7470: Mercury					
Client ID:	Non Exempt Waste	Batch ID:	23897	RunNo:	32351					
Prep Date:	2/23/2016	Analysis Date:	2/24/2016	SeqNo:	988894	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0018	0.0010	0.005000	0	36.7	75	125	6.48	20	S

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#: **1602801**

25-Feb-16

Client: Souder, Miller and Associates

Project: Rattlesnake Plant

Sample ID **LCS-23879**	SampType: **LCS**	TestCode: **EPA Method 8310: PAHs**							
Client ID: **LCSW**	Batch ID: **23879**	RunNo: **32316**							
Prep Date: **2/23/2016**	Analysis Date: **2/23/2016**	SeqNo: **987907**	Units: **µg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzo(a)pyrene	0.51	0.070	0.5020	0	102	62	107			
Dibenz(a,h)anthracene	1.0	0.12	1.002	0	101	54.8	108			
Benzo(g,h,i)perylene	1.0	0.12	1.000	0	100	56.9	110			
Indeno(1,2,3-cd)pyrene	2.0	0.25	2.004	0	101	55.2	109			
Surr: Benzo(e)pyrene	9.9		20.00		49.4	33.4	129			

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#: **1602801**

25-Feb-16

Client: Souder, Miller and Associates
Project: Rattlesnake Plant

Sample ID **MB-23879**	SampType: **MBLK**	TestCode: **EPA Method 8310: PAHs**
Client ID: **PBW**	Batch ID: **23879**	RunNo: **32316**
Prep Date: **2/23/2016**	Analysis Date: **2/23/2016**	SeqNo: **987798** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	2.0								
2-Methylnaphthalene	ND	2.0								
Acenaphthylene	ND	2.5								
Acenaphthene	ND	2.0								
Fluorene	ND	0.80								
Phenanthrene	ND	0.60								
Anthracene	ND	0.60								
Fluoranthene	ND	0.30								
Pyrene	ND	0.30								
Benz(a)anthracene	ND	0.070								
Chrysene	ND	0.20								
Benzo(b)fluoranthene	ND	0.10								
Benzo(k)fluoranthene	ND	0.070								
Benzo(a)pyrene	ND	0.070								
Dibenz(a,h)anthracene	ND	0.12								
Benzo(g,h,i)perylene	ND	0.12								
Indeno(1,2,3-cd)pyrene	ND	0.25								
Surr: Benzo(e)pyrene	9.8		20.00		49.1	33.4	129			

Sample ID **LCS-23879**	SampType: **LCS**	TestCode: **EPA Method 8310: PAHs**
Client ID: **LCSW**	Batch ID: **23879**	RunNo: **32316**
Prep Date: **2/23/2016**	Analysis Date: **2/23/2016**	SeqNo: **987907** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	77	2.0	80.00	0	96.7	54.6	110			
1-Methylnaphthalene	78	2.0	80.20	0	97.2	49.1	116			
2-Methylnaphthalene	79	2.0	80.00	0	98.2	52.5	111			
Acenaphthylene	75	2.5	80.20	0	93.6	63.7	122			
Acenaphthene	79	2.0	80.00	0	99.2	50.6	114			
Fluorene	8.2	0.80	8.020	0	103	48.9	106			
Phenanthrene	3.9	0.60	4.020	0	97.3	54.7	110			
Anthracene	3.8	0.60	4.020	0	94.8	52	106			
Fluoranthene	8.3	0.30	8.020	0	103	57.8	113			
Pyrene	7.7	0.30	8.020	0	95.8	59.7	118			
Benz(a)anthracene	0.82	0.070	0.8020	0	102	56.6	109			
Chrysene	4.0	0.20	4.020	0	99.0	57.6	110			
Benzo(b)fluoranthene	0.89	0.10	1.002	0	88.8	54.9	106			
Benzo(k)fluoranthene	0.50	0.070	0.5000	0	100	59.3	112			

Qualifiers:

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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#: **1602801**

25-Feb-16

Client: Souder, Miller and Associates

Project: Rattlesnake Plant

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R32292**	RunNo: **32292**
Prep Date:	Analysis Date: **2/19/2016**	SeqNo: **987052** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	11		10.00		109	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		105	70	130			
Surr: Dibromofluoromethane	12		10.00		119	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

Qualifiers:

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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#: **1602801**

25-Feb-16

Client: Souder, Miller and Associates
Project: Rattlesnake Plant

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R32292**	RunNo: **32292**
Prep Date:	Analysis Date: **2/19/2016**	SeqNo: **987052** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

Qualifiers:

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1602801**

25-Feb-16

Client: Souder, Miller and Associates

Project: Rattlesnake Plant

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R32292**	RunNo: **32292**
Prep Date:	Analysis Date: **2/19/2016**	SeqNo: **987047** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	24	1.0	20.00	0	118	70	130			
Toluene	20	1.0	20.00	0	102	70	130			
Chlorobenzene	21	1.0	20.00	0	103	70	130			
1,1-Dichloroethene	23	1.0	20.00	0	114	70	130			
Trichloroethene (TCE)	23	1.0	20.00	0	113	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		101	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		103	70	130			
Surr: Dibromofluoromethane	12		10.00		117	70	130			
Surr: Toluene-d8	9.8		10.00		97.7	70	130			

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R32292**	RunNo: **32292**
Prep Date:	Analysis Date: **2/19/2016**	SeqNo: **987052** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

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 Report
Lab Order **1602801**
Date Reported: **2/25/2016**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Project: Rattlesnake Plant
Lab ID: 1602801-001 **Matrix:** AQUEOUS

Client Sample ID: Non Exempt Waste Tank
Collection Date: 2/18/2016 12:45:00 PM
Received Date: 2/19/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
n-Propylbenzene	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
sec-Butylbenzene	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
Styrene	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
tert-Butylbenzene	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
1,1,1,2-Tetrachloroethane	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
1,1,2,2-Tetrachloroethane	ND	40		µg/L	20	2/19/2016 4:38:31 PM	R32292
Tetrachloroethene (PCE)	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
trans-1,2-DCE	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
trans-1,3-Dichloropropene	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
1,2,3-Trichlorobenzene	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
1,2,4-Trichlorobenzene	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
1,1,1-Trichloroethane	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
1,1,2-Trichloroethane	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
Trichloroethene (TCE)	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
Trichlorofluoromethane	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
1,2,3-Trichloropropane	ND	40		µg/L	20	2/19/2016 4:38:31 PM	R32292
Vinyl chloride	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
Xylenes, Total	ND	30		µg/L	20	2/19/2016 4:38:31 PM	R32292
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	20	2/19/2016 4:38:31 PM	R32292
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	20	2/19/2016 4:38:31 PM	R32292
Surr: Dibromofluoromethane	118	70-130		%Rec	20	2/19/2016 4:38:31 PM	R32292
Surr: Toluene-d8	101	70-130		%Rec	20	2/19/2016 4:38:31 PM	R32292

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 Report
Lab Order **1602801**
Date Reported: **2/25/2016**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Project: Rattlesnake Plant
Lab ID: 1602801-001 **Matrix:** AQUEOUS

Client Sample ID: Non Exempt Waste Tank
Collection Date: 2/18/2016 12:45:00 PM
Received Date: 2/19/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Naphthalene	ND	40		µg/L	20	2/19/2016 4:38:31 PM	R32292
1-Methylnaphthalene	ND	80		µg/L	20	2/19/2016 4:38:31 PM	R32292
2-Methylnaphthalene	ND	80		µg/L	20	2/19/2016 4:38:31 PM	R32292
Acetone	1200	200		µg/L	20	2/19/2016 4:38:31 PM	R32292
Bromobenzene	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
Bromodichloromethane	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
Bromoform	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
Bromomethane	ND	60		µg/L	20	2/19/2016 4:38:31 PM	R32292
2-Butanone	ND	200		µg/L	20	2/19/2016 4:38:31 PM	R32292
Carbon disulfide	ND	200		µg/L	20	2/19/2016 4:38:31 PM	R32292
Carbon Tetrachloride	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
Chlorobenzene	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
Chloroethane	ND	40		µg/L	20	2/19/2016 4:38:31 PM	R32292
Chloroform	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
Chloromethane	ND	60		µg/L	20	2/19/2016 4:38:31 PM	R32292
2-Chlorotoluene	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
4-Chlorotoluene	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
cis-1,2-DCE	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
cis-1,3-Dichloropropene	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
1,2-Dibromo-3-chloropropane	ND	40		µg/L	20	2/19/2016 4:38:31 PM	R32292
Dibromochloromethane	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
Dibromomethane	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
1,2-Dichlorobenzene	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
1,3-Dichlorobenzene	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
1,4-Dichlorobenzene	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
Dichlorodifluoromethane	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
1,1-Dichloroethane	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
1,1-Dichloroethene	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
1,2-Dichloropropane	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
1,3-Dichloropropane	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
2,2-Dichloropropane	ND	40		µg/L	20	2/19/2016 4:38:31 PM	R32292
1,1-Dichloropropene	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
Hexachlorobutadiene	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
2-Hexanone	ND	200		µg/L	20	2/19/2016 4:38:31 PM	R32292
Isopropylbenzene	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
4-Isopropyltoluene	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
4-Methyl-2-pentanone	ND	200		µg/L	20	2/19/2016 4:38:31 PM	R32292
Methylene Chloride	ND	60		µg/L	20	2/19/2016 4:38:31 PM	R32292
n-Butylbenzene	ND	60		µg/L	20	2/19/2016 4:38:31 PM	R32292

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 Report
Lab Order **1602801**
Date Reported: **2/25/2016**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Project: Rattlesnake Plant
Lab ID: 1602801-001 **Matrix:** AQUEOUS

Client Sample ID: Non Exempt Waste Tank
Collection Date: 2/18/2016 12:45:00 PM
Received Date: 2/19/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 7470: MERCURY						Analyst: **pmf**	
Mercury	ND	0.0010		mg/L	5	2/24/2016 7:27:50 AM	23897
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **MED**	
Arsenic	ND	5.0		mg/L	1	2/25/2016 1:01:02 PM	23874
Barium	ND	100		mg/L	1	2/25/2016 1:01:02 PM	23874
Cadmium	ND	1.0		mg/L	1	2/25/2016 1:01:02 PM	23874
Chromium	ND	5.0		mg/L	1	2/25/2016 1:01:02 PM	23874
Lead	ND	5.0		mg/L	1	2/25/2016 1:01:02 PM	23874
Selenium	ND	1.0		mg/L	1	2/25/2016 1:01:02 PM	23874
Silver	ND	5.0		mg/L	1	2/25/2016 1:01:02 PM	23874
EPA METHOD 8310: PAHS						Analyst: **SCC**	
Naphthalene	ND	2.0		µg/L	1	2/23/2016 9:05:02 AM	23879
1-Methylnaphthalene	ND	2.0		µg/L	1	2/23/2016 9:05:02 AM	23879
2-Methylnaphthalene	ND	2.0		µg/L	1	2/23/2016 9:05:02 AM	23879
Acenaphthylene	ND	2.5		µg/L	1	2/23/2016 9:05:02 AM	23879
Acenaphthene	ND	2.0		µg/L	1	2/23/2016 9:05:02 AM	23879
Fluorene	ND	0.80		µg/L	1	2/23/2016 9:05:02 AM	23879
Phenanthrene	ND	0.60		µg/L	1	2/23/2016 9:05:02 AM	23879
Anthracene	ND	0.60		µg/L	1	2/23/2016 9:05:02 AM	23879
Fluoranthene	ND	0.30		µg/L	1	2/23/2016 9:05:02 AM	23879
Pyrene	ND	0.30		µg/L	1	2/23/2016 9:05:02 AM	23879
Benz(a)anthracene	ND	0.070		µg/L	1	2/23/2016 9:05:02 AM	23879
Chrysene	ND	0.20		µg/L	1	2/23/2016 9:05:02 AM	23879
Benzo(b)fluoranthene	ND	0.10		µg/L	1	2/23/2016 9:05:02 AM	23879
Benzo(k)fluoranthene	ND	0.070		µg/L	1	2/23/2016 9:05:02 AM	23879
Benzo(a)pyrene	ND	0.070		µg/L	1	2/23/2016 9:05:02 AM	23879
Dibenz(a,h)anthracene	0.52	0.12		µg/L	1	2/23/2016 9:05:02 AM	23879
Benzo(g,h,i)perylene	ND	0.12		µg/L	1	2/23/2016 9:05:02 AM	23879
Indeno(1,2,3-cd)pyrene	ND	0.25		µg/L	1	2/23/2016 9:05:02 AM	23879
Surr: Benzo(e)pyrene	59.0	33.4-129		%Rec	1	2/23/2016 9:05:02 AM	23879
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
Toluene	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
Ethylbenzene	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
Methyl tert-butyl ether (MTBE)	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
1,2,4-Trimethylbenzene	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
1,3,5-Trimethylbenzene	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
1,2-Dichloroethane (EDC)	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292
1,2-Dibromoethane (EDB)	ND	20		µg/L	20	2/19/2016 4:38:31 PM	R32292

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

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

February 25, 2016

Ashley Maxwell
Souder, Miller and Associates
401 W. Broadway
Farmington, NM 87401
TEL: (505) 325-5667
FAX (505) 327-1496

RE: Rattlesnake Plant OrderNo.: 1602801

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 1 sample(s) on 2/19/2016 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 qualifers 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,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

District I
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

Form C-138
Revised 08/01/11

*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address:
Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401

2. Originating Site:
Hart Canyon #1 Compressor Station

3. Location of Material (Street Address, City, State or ULSTR):
UL H Section 29 Township 31 North Range 10 West; 36.872934, -107.900317, San Juan County, NM

4. Source and Description of Waste:
Source: Water/Oil from the Non Exempt WasteWater Tanks and from the compressor skid drains.
Description: Non Exempt/Non Hazardous Water from the compressor skids.
Estimated Volume 100 yd³ / bbls Known Volume (to be entered by the operator at the end of the haul) 75 yd³ / bbls

5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, Thomas Long Thomas Long , representative or authorized agent for Enterprise Products Operating do hereby
Generator Signature
certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

☐ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. ***Operator Use Only: Waste Acceptance Frequency*** ☐ ***Monthly*** ☐ ***Weekly*** ☐ ***Per Load***

☒ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☐ MSDS Information ☒ RCRA Hazardous Waste Analysis ☒ Process Knowledge ☐ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, Thomas Long Thomas Long 3-22-16, representative for Enterprise Products Operating authorize to complete
Generator Signature
the required testing/sign the Generator Waste Testing Certification.

I, _____, representative for Agua Moss, LLC do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

6. Transporter: To Be Determined

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: ***Agua Moss, LLC - Permit #: NM-01-009**
Address of Facility: **SW/4 NW/4 Section 2, Township 29N, Range Crouch Mesa, NM**

Method of Treatment and/or Disposal:
☐ Evaporation ☒ Injection ☐ Treating Plant ☐ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☐ **APPROVED** ☐ **DENIED** (Must Be Maintained As Permanent Record)

PRINT NAME: Abigail Hobson TITLE: Operator DATE: 1/2/17
SIGNATURE: _____ TELEPHONE NO.: (505) 334 6186
Surface Waste Management Facility Authorized Agent

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

March 21, 2016

Ashley Maxwell
Souder, Miller and Associates
401 W. Broadway
Farmington, NM 87401
TEL: (505) 325-5667
FAX

RE: Hart Canyon #1 OrderNo.: 1603699

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/15/2016 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 qualifers 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,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Chain-of-Custody Record

Client: SMA

Mailing Address: 401 W Broadway
Farmington NM 87401

Phone #: 505 325-7535

email or Fax#: Ashley.maxwell@southernmiller.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☐ Standard ☑ Rush ASAP

Project Name: Hart Canyon #1

Project #:

Project Manager: Tom Long / Ashley Maxwell

Sampler: Randy Watson

On Ice: ☑ Yes ☐ No

Sample Temperature: 2.9

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals TCLP	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
3-14-16	10:37	H2O	Hart #1 Blank Exempt	Various	Various	1603699 -001						X	X			X						

Analysis Request

Remarks: 8260: Full List Report TCLP Compounds at TCLP Limits
cc Tom Long / Envoice: Enterprise

Date	Time	Relinquished by:	Received by:	Date	Time
3/14/16	1700	Jud Berg	Christine Walters	3/14/16	1700
3/14/16	1821	Christine Walters	[signature]	03/15/16	0800

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: SMA-FARM Work Order Number: 1603699 RcptNo: 1

Received by/date: 03/15/16

Logged By: Lindsay Mangin 3/15/2016 8:00:00 AM

Completed By: Lindsay Mangin 3/15/2016 8:13:56 AM

Reviewed By: 03/15/16

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
11. Were any sample containers received broken?	Yes ☐	No ☑	# of preserved bottles checked for pH: ____ (<2 or >12 unless noted)
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	Adjusted? ____
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by: ____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: ____ Date: ____

By Whom: ____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: ____

Client Instructions: ____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.9	Good	Yes			

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1603699**

21-Mar-16

Client: Souder, Miller and Associates

Project: Hart Canyon #1

Sample ID	**lcsd-24298**	SampType: **LCSD**		TestCode: **SEMIVOLATILE ORGANICS by 8270C**					
Client ID:	**LCSS02**	Batch ID: **24298**		RunNo: **32871**					
Prep Date:	**3/17/2016**	Analysis Date: **3/17/2016**		SeqNo: **1007480**	Units: **mg/Kg**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Terphenyl-d14	520		625.0		83.2	32	199	0	0	

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#: 1603699

21-Mar-16

Client: Souder, Miller and Associates

Project: Hart Canyon #1

Sample ID	lcs-24298	SampType:	LCS	TestCode:	SEMIVOLATILE ORGANICS by 8270C				
Client ID:	LCSW	Batch ID:	24298	RunNo:	32871				
Prep Date:	3/17/2016	Analysis Date:	3/17/2016	SeqNo:	1007479	Units:	mg/Kg		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Acenaphthene	610	62	625.0	0	98.1	75.6	115			
4-Chloro-3-methylphenol	1300	120	1250	0	105	83.2	125			
2-Chlorophenol	1200	62	1250	0	98.1	77.9	120			
1,4-Dichlorobenzene	590	62	625.0	0	94.8	73.2	117			
2,4-Dinitrotoluene	460	62	625.0	0	72.9	60.2	104			
N-Nitrosodi-n-propylamine	660	62	625.0	0	106	71.4	132			
4-Nitrophenol	1100	62	1250	0	86.8	69.8	121			
Pentachlorophenol	1100	120	1250	0	86.9	51.3	106			
Phenol	1300	62	1250	0	104	81.2	116			
Pyrene	550	62	625.0	0	87.7	71	113			
1,2,4-Trichlorobenzene	670	62	625.0	0	107	68.6	133			
Surr: 2-Fluorophenol	1100		1250		89.0	52.1	148			
Surr: Phenol-d5	1300		1250		103	58.2	135			
Surr: 2,4,6-Tribromophenol	1200		1250		99.5	63.8	129			
Surr: Nitrobenzene-d5	630		625.0		102	43.5	189			
Surr: 2-Fluorobiphenyl	580		625.0		92.3	76.8	130			
Surr: 4-Terphenyl-d14	460		625.0		73.2	32	199			

Sample ID	lcsd-24298	SampType:	LCSD	TestCode:	SEMIVOLATILE ORGANICS by 8270C				
Client ID:	LCSS02	Batch ID:	24298	RunNo:	32871				
Prep Date:	3/17/2016	Analysis Date:	3/17/2016	SeqNo:	1007480	Units:	mg/Kg		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Acenaphthene	640	62	625.0	0	102	75.6	115	4.19	20	
4-Chloro-3-methylphenol	1300	120	1250	0	105	83.2	125	0.152	20	
2-Chlorophenol	1300	62	1250	0	104	77.9	120	5.38	20	
1,4-Dichlorobenzene	620	62	625.0	0	98.6	73.2	117	3.93	20	
2,4-Dinitrotoluene	490	62	625.0	0	78.8	60.2	104	7.70	20	
N-Nitrosodi-n-propylamine	660	62	625.0	0	105	71.4	132	1.21	20	
4-Nitrophenol	1100	62	1250	0	90.7	69.8	121	4.42	20	
Pentachlorophenol	1100	120	1250	0	89.3	51.3	106	2.79	20	
Phenol	1300	62	1250	0	104	81.2	116	0.173	20	
Pyrene	590	62	625.0	0	93.6	71	113	6.53	20	
1,2,4-Trichlorobenzene	700	62	625.0	0	111	68.6	133	4.11	20	
Surr: 2-Fluorophenol	1200		1250		96.9	52.1	148	0	0	
Surr: Phenol-d5	1300		1250		105	58.2	135	0	0	
Surr: 2,4,6-Tribromophenol	1300		1250		101	63.8	129	0	0	
Surr: Nitrobenzene-d5	630		625.0		101	43.5	189	0	0	
Surr: 2-Fluorobiphenyl	590		625.0		94.2	76.8	130	0	0	

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#: **1603699**

21-Mar-16

Client: Souder, Miller and Associates

Project: Hart Canyon #1

Sample ID **mb-24298**	SampType: **MBLK**	TestCode: **SEMIVOLATILE ORGANICS by 8270C**
Client ID: **PBW**	Batch ID: **24298**	RunNo: **32871**
Prep Date: **3/17/2016**	Analysis Date: **3/17/2016**	SeqNo: **1007478** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	ND	62								
2,6-Dinitrotoluene	ND	62								
Fluoranthene	ND	62								
Fluorene	ND	62								
Hexachlorobenzene	ND	62								
Hexachlorobutadiene	ND	62								
Hexachlorocyclopentadiene	ND	62								
Hexachloroethane	ND	62								
Indeno(1,2,3-cd)pyrene	ND	62								
Isophorone	ND	62								
1-Methylnaphthalene	ND	62								
2-Methylnaphthalene	ND	62								
2-Methylphenol	ND	62								
3+4-Methylphenol	ND	62								
N-Nitrosodi-n-propylamine	ND	62								
N-Nitrosodimethylamine	ND	120								
N-Nitrosodiphenylamine	ND	62								
Naphthalene	ND	62								
2-Nitroaniline	ND	120								
3-Nitroaniline	ND	120								
4-Nitroaniline	ND	120								
Nitrobenzene	ND	62								
2-Nitrophenol	ND	62								
4-Nitrophenol	ND	62								
Pentachlorophenol	ND	120								
Phenanthrene	ND	62								
Phenol	ND	62								
Pyrene	ND	62								
Pyridine	ND	120								
1,2,4-Trichlorobenzene	ND	62								
2,4,5-Trichlorophenol	ND	62								
2,4,6-Trichlorophenol	ND	62								
Surr: 2-Fluorophenol	1300		1250		100	52.1	148			
Surr: Phenol-d5	1300		1250		106	58.2	135			
Surr: 2,4,6-Tribromophenol	1200		1250		99.6	63.8	129			
Surr: Nitrobenzene-d5	630		625.0		100	43.5	189			
Surr: 2-Fluorobiphenyl	610		625.0		97.7	76.8	130			
Surr: 4-Terphenyl-d14	470		625.0		75.5	32	199			

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#: **1603699**

21-Mar-16

Client: Souder, Miller and Associates

Project: Hart Canyon #1

Sample ID **mb-24298**	SampType: **MBLK**	TestCode: **SEMIVOLATILE ORGANICS by 8270C**
Client ID: **PBW**	Batch ID: **24298**	RunNo: **32871**
Prep Date: **3/17/2016**	Analysis Date: **3/17/2016**	SeqNo: **1007478** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Acenaphthene	ND	62								
Acenaphthylene	ND	62								
Aniline	ND	62								
Anthracene	ND	62								
Benz(a)anthracene	ND	62								
Benzidine	ND	120								
Benzo(a)pyrene	ND	62								
Benzo(b)fluoranthene	ND	62								
Benzo(g,h,i)perylene	ND	62								
Benzo(k)fluoranthene	ND	62								
Benzoic acid	ND	120								
Benzyl alcohol	ND	120								
Bis(2-chloroethoxy)methane	ND	62								
Bis(2-chloroethyl)ether	ND	62								
Bis(2-chloroisopropyl)ether	ND	120								
Bis(2-ethylhexyl)phthalate	ND	62								
4-Bromophenyl phenyl ether	ND	62								
Butyl benzyl phthalate	ND	62								
Carbazole	ND	62								
4-Chloro-3-methylphenol	ND	120								
4-Chloroaniline	ND	120								
2-Chloronaphthalene	ND	62								
2-Chlorophenol	ND	62								
4-Chlorophenyl phenyl ether	ND	62								
Chrysene	ND	62								
Di-n-butyl phthalate	ND	62								
Di-n-octyl phthalate	ND	62								
Dibenz(a,h)anthracene	ND	75								
Dibenzofuran	ND	62								
1,2-Dichlorobenzene	ND	62								
1,3-Dichlorobenzene	ND	62								
1,4-Dichlorobenzene	ND	62								
3,3'-Dichlorobenzidine	ND	62								
Diethyl phthalate	ND	62								
Dimethyl phthalate	ND	75								
2,4-Dichlorophenol	ND	120								
2,4-Dimethylphenol	ND	62								
4,6-Dinitro-2-methylphenol	ND	120								
2,4-Dinitrophenol	ND	120								

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
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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#: **1603699**

21-Mar-16

Client: Souder, Miller and Associates

Project: Hart Canyon #1

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R32817**	RunNo: **32817**
Prep Date:	Analysis Date: **3/15/2016**	SeqNo: **1005585** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.7		10.00		97.3	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		97.7	70	130			
Surr: Dibromofluoromethane	12		10.00		116	70	130			
Surr: Toluene-d8	9.9		10.00		98.5	70	130			

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#: **1603699**

21-Mar-16

Client: Souder, Miller and Associates
Project: Hart Canyon #1

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R32817**	RunNo: **32817**
Prep Date:	Analysis Date: **3/15/2016**	SeqNo: **1005585** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								

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#: 1603699

21-Mar-16

Client: Souder, Miller and Associates

Project: Hart Canyon #1

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R32817**	RunNo: **32817**
Prep Date:	Analysis Date: **3/15/2016**	SeqNo: **1005584** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	111	70	130			
Toluene	19	1.0	20.00	0	92.9	70	130			
Chlorobenzene	21	1.0	20.00	0	106	70	130			
1,1-Dichloroethene	23	1.0	20.00	0	115	70	130			
Trichloroethene (TCE)	23	1.0	20.00	0	114	70	130			
Surr: 1,2-Dichloroethane-d4	11		10.00		106	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130			
Surr: Dibromofluoromethane	12		10.00		122	70	130			
Surr: Toluene-d8	9.4		10.00		94.4	70	130			

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R32817**	RunNo: **32817**
Prep Date:	Analysis Date: **3/15/2016**	SeqNo: **1005585** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

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

ENVIRONMENTAL LABORATORIES
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QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Hall Environmental
Project: Not Indicated

Report Date: 03/21/16
Work Order: B16031365

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW7471B									Analytical Run: HGCV202-B_160318B	
Lab ID: ICV		Initial Calibration Verification Standard							03/18/16 16:37	
Mercury		0.00208	mg/kg	1.0	104	90	110			
Method: SW7471B									Batch: 97712	
Lab ID: MB-97712		Method Blank				Run: HGCV202-B_160318B			03/18/16 16:42	
Mercury		0.002	mg/kg	0.0003						
Lab ID: LCS3-97712		Laboratory Control Sample				Run: HGCV202-B_160318B			03/18/16 16:44	
Mercury		0.207	mg/kg	1.0	102	80	120			
Lab ID: B16031273-001ADIL		Serial Dilution				Run: HGCV202-B_160318B			03/18/16 16:53	
Mercury		787	mg/kg	120		0	0	3.5	10	
Lab ID: B16031482-001AMS3		Sample Matrix Spike				Run: HGCV202-B_160318B			03/18/16 17:05	
Mercury		0.119	mg/kg	1.0	61	80	120			S
Lab ID: B16031482-001AMSD		Sample Matrix Spike Duplicate				Run: HGCV202-B_160318B			03/18/16 17:06	
Mercury		0.131	mg/kg	1.0	74	80	120		20	S

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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College Station, TX 888.690.2218 • Gillette, WY 866.686.7175 • Helena, MT 877.472.0711

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Hall Environmental **Report Date:** 03/21/16

Project: Not Indicated **Work Order:** B16031365

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020										Batch: 97662
Lab ID: B16031171-006APDS1	5	Post Digestion/Distillation Spike				Run: ICPMS202-B_160318A				03/18/16 19:07
Selenium		24.7	mg/kg	1.0	96	75	125			
Silver		11.0	mg/kg	1.0	106	75	125			
Lab ID: B16031171-006AMS3	5	Sample Matrix Spike				Run: ICPMS202-B_160318A				03/18/16 19:18
Arsenic		108	mg/kg	1.0	105	75	125			
Cadmium		49.3	mg/kg	1.0	99	75	125			
Lead		123	mg/kg	1.0	118	75	125			
Selenium		98.2	mg/kg	1.0	99	75	125			
Silver		60.6	mg/kg	1.0	122	75	125			
Lab ID: B16031171-006AMSD	5	Sample Matrix Spike Duplicate				Run: ICPMS202-B_160318A				03/18/16 19:21
Arsenic		106	mg/kg	1.0	104	75	125	1.4	20	
Cadmium		48.7	mg/kg	1.0	98	75	125	1.1	20	
Lead		124	mg/kg	1.0	119	75	125	0.7	20	
Selenium		96.2	mg/kg	1.0	97	75	125	2.0	20	
Silver		59.5	mg/kg	1.0	120	75	125	1.9	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Hall Environmental
Project: Not Indicated

Report Date: 03/21/16
Work Order: B16031365

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS202-B_160318A	
Lab ID: QCS	5	Initial Calibration Verification Standard							03/18/16 11:55	
Arsenic		0.0511	mg/L	0.0010	102	90	110			
Cadmium		0.0246	mg/L	0.0010	98	90	110			
Lead		0.0479	mg/L	0.0010	96	90	110			
Selenium		0.0499	mg/L	0.0010	100	90	110			
Silver		0.0250	mg/L	0.0010	100	90	110			
Lab ID: ICSA	5	Interference Check Sample A							03/18/16 12:07	
Arsenic		0.000450	mg/L	0.0010						
Cadmium		0.000230	mg/L	0.0010						
Lead		0.000230	mg/L	0.0010						
Selenium		0.000140	mg/L	0.0010						
Silver		8.00E-05	mg/L	0.0010						
Lab ID: ICSAB	5	Interference Check Sample AB							03/18/16 12:10	
Arsenic		0.0106	mg/L	0.0010	106	70	130			
Cadmium		0.00933	mg/L	0.0010	93	70	130			
Lead		0.000240	mg/L	0.0010		0	0			
Selenium		0.0100	mg/L	0.0010	100	70	130			
Silver		0.0180	mg/L	0.0010	90	70	130			
Method: SW6020									Batch: 97662	
Lab ID: MB-97662	5	Method Blank				Run: ICPMS202-B_160318A			03/18/16 18:48	
Arsenic		ND	mg/kg	0.05						
Cadmium		0.03	mg/kg	0.008						
Lead		0.03	mg/kg	0.007						
Selenium		ND	mg/kg	0.06						
Silver		0.07	mg/kg	0.01						
Lab ID: B16031171-006ADIL	5	Serial Dilution				Run: ICPMS202-B_160318A			03/18/16 18:54	
Arsenic		3.08	mg/kg	1.3		0	0		10	N
Cadmium		0.493	mg/kg	1.0		0	0		10	N
Lead		6.71	mg/kg	1.0		0	0	1.0	10	
Selenium		ND	mg/kg	1.5		0	0		10	
Silver		ND	mg/kg	1.0		0	0		10	
Lab ID: SRM2-97662	5	Standard Reference Material				Run: ICPMS202-B_160318A			03/18/16 19:05	
Arsenic		ND	mg/kg	1.0		50	130			
Cadmium		98.9	mg/kg	1.0	99	70	130			
Lead		111	mg/kg	1.0	111	70	130			
Selenium		ND	mg/kg	1.0		70	130			
Silver		118	mg/kg	1.0	118	70	130			
Lab ID: B16031171-006APDS1	5	Post Digestion/Distillation Spike				Run: ICPMS202-B_160318A			03/18/16 19:07	
Arsenic		28.4	mg/kg	1.0	99	75	125			
Cadmium		24.1	mg/kg	1.0	93	75	125			
Lead		33.3	mg/kg	1.0	104	75	125			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

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College Station, TX 888.690.2218 • Gillette, WY 866.686.7175 • Helena, MT 877.472.0711

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Hall Environmental
Report Date: 03/21/16
Project: Not Indicated
Work Order: B16031365

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6010B									Analytical Run: ICP203-B_160317A	
Lab ID: QCS	2	Initial Calibration Verification Standard							03/17/16 11:01	
Barium		0.804	mg/L	0.10	101	90	110			
Chromium		0.785	mg/L	0.050	98	90	110			
Lab ID: ICSA	2	Interference Check Sample A							03/17/16 11:04	
Barium		ND	mg/L	0.10						
Chromium		-0.00234	mg/L	0.050						
Lab ID: ICSAB	2	Interference Check Sample AB							03/17/16 11:08	
Barium		0.472	mg/L	0.10	94	80	120			
Chromium		0.451	mg/L	0.050	90	80	120			
Method: SW6010B									Batch: 97662	
Lab ID: MB-97662	2	Method Blank				Run: ICP203-B_160317A			03/17/16 22:02	
Barium		0.02	mg/kg	0.01						
Chromium		ND	mg/kg	0.07						
Lab ID: SRM2-97662	2	Standard Reference Material				Run: ICP203-B_160317A			03/17/16 22:37	
Barium		89.8	mg/kg	5.0	90	70	130			
Chromium		92.0	mg/kg	5.0	92	70	130			
Lab ID: SRM3-97662	2	Standard Reference Material				Run: ICP203-B_160317A			03/17/16 22:41	
Barium		162	mg/kg	5.0	87	78	120			
Chromium		96.3	mg/kg	5.0	82	73	120			
Lab ID: B16031171-006ADIL	2	Serial Dilution				Run: ICP203-B_160317A			03/17/16 23:09	
Barium		42.4	mg/kg	1.0		0	0	6.6	10	
Chromium		3.59	mg/kg	1.0		0	0		10	N
Lab ID: B16031171-006APDS	2	Post Digestion/Distillation Spike				Run: ICP203-B_160317A			03/17/16 23:19	
Barium		133	mg/kg	1.0	91	75	125			
Chromium		94.3	mg/kg	1.0	88	75	125			
Lab ID: B16031171-006AMS3	2	Sample Matrix Spike				Run: ICP203-B_160317A			03/17/16 23:22	
Barium		153	mg/kg	1.0	114	75	125			
Chromium		91.2	mg/kg	1.0	88	75	125			
Lab ID: B16031171-006AMSD	2	Sample Matrix Spike Duplicate				Run: ICP203-B_160317A			03/17/16 23:26	
Barium		129	mg/kg	1.0	91	75	125	17	20	
Chromium		93.7	mg/kg	1.0	90	75	125	2.7	20	

Qualifiers:

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ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

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College Station, TX 888.690.2218 • Gillette, WY 866.686.7175 • Helena, MT 877.472.0711

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Hall Environmental
Project: Not Indicated
Lab ID: B16031365-001
Client Sample ID: 1603699-001C Hart Canyon Non Exempt

Report Date: 03/21/16
Collection Date: 03/14/16 10:37
DateReceived: 03/16/16
Matrix: Oil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL - EPA SW846							
Arsenic	ND	mg/kg		0.2		SW6020	03/18/16 18:59 / mas
Barium	4.6	mg/kg		0.5		SW6010B	03/17/16 23:33 / mas
Cadmium	0.12	mg/kg		0.05		SW6020	03/18/16 18:59 / mas
Chromium	0.7	mg/kg		0.1		SW6010B	03/17/16 23:33 / mas
Lead	2.8	mg/kg		0.1		SW6020	03/18/16 18:59 / mas
Mercury	ND	mg/kg		0.01		SW7471B	03/18/16 16:59 / ser
Selenium	ND	mg/kg		0.2		SW6020	03/18/16 18:59 / mas
Silver	ND	mg/kg	D	0.08		SW6020	03/18/16 18:59 / mas

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Analytical Report
Lab Order **1603699**
Date Reported: **3/21/2016**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Project: Hart Canyon #1
Lab ID: 1603699-001 **Matrix:** AQUEOUS

Client Sample ID: Hart #1 Non Exempt
Collection Date: 3/14/2016 10:37:00 AM
Received Date: 3/15/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
1,1-Dichloropropene	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
Hexachlorobutadiene	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
2-Hexanone	ND	2.0		mg/L	200	3/15/2016 6:40:00 PM	R32817
Isopropylbenzene	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
4-Isopropyltoluene	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
4-Methyl-2-pentanone	ND	2.0		mg/L	200	3/15/2016 6:40:00 PM	R32817
Methylene Chloride	ND	0.60		mg/L	200	3/15/2016 6:40:00 PM	R32817
n-Butylbenzene	ND	0.60		mg/L	200	3/15/2016 6:40:00 PM	R32817
n-Propylbenzene	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
sec-Butylbenzene	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
Styrene	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
tert-Butylbenzene	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
1,1,1,2-Tetrachloroethane	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
1,1,2,2-Tetrachloroethane	ND	0.40		mg/L	200	3/15/2016 6:40:00 PM	R32817
Tetrachloroethene (PCE)	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
trans-1,2-DCE	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
trans-1,3-Dichloropropene	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
1,2,3-Trichlorobenzene	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
1,2,4-Trichlorobenzene	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
1,1,1-Trichloroethane	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
1,1,2-Trichloroethane	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
Trichloroethene (TCE)	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
Trichlorofluoromethane	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
1,2,3-Trichloropropane	ND	0.40		mg/L	200	3/15/2016 6:40:00 PM	R32817
Vinyl chloride	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
Xylenes, Total	ND	0.30		mg/L	200	3/15/2016 6:40:00 PM	R32817
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	200	3/15/2016 6:40:00 PM	R32817
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	200	3/15/2016 6:40:00 PM	R32817
Surr: Dibromofluoromethane	118	70-130		%Rec	200	3/15/2016 6:40:00 PM	R32817
Surr: Toluene-d8	107	70-130		%Rec	200	3/15/2016 6:40:00 PM	R32817

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 Report
Lab Order **1603699**
Date Reported: **3/21/2016**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Project: Hart Canyon #1
Lab ID: 1603699-001 **Matrix:** AQUEOUS

Client Sample ID: Hart #1 Non Exempt
Collection Date: 3/14/2016 10:37:00 AM
Received Date: 3/15/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	
Benzene	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
Toluene	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
Ethylbenzene	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
Methyl tert-butyl ether (MTBE)	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
1,2,4-Trimethylbenzene	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
1,3,5-Trimethylbenzene	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
1,2-Dichloroethane (EDC)	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
1,2-Dibromoethane (EDB)	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
Naphthalene	ND	0.40		mg/L	200	3/15/2016 6:40:00 PM	R32817
1-Methylnaphthalene	ND	0.80		mg/L	200	3/15/2016 6:40:00 PM	R32817
2-Methylnaphthalene	ND	0.80		mg/L	200	3/15/2016 6:40:00 PM	R32817
Acetone	ND	2.0		mg/L	200	3/15/2016 6:40:00 PM	R32817
Bromobenzene	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
Bromodichloromethane	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
Bromoform	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
Bromomethane	ND	0.60		mg/L	200	3/15/2016 6:40:00 PM	R32817
2-Butanone	ND	2.0		mg/L	200	3/15/2016 6:40:00 PM	R32817
Carbon disulfide	ND	2.0		mg/L	200	3/15/2016 6:40:00 PM	R32817
Carbon Tetrachloride	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
Chlorobenzene	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
Chloroethane	ND	0.40		mg/L	200	3/15/2016 6:40:00 PM	R32817
Chloroform	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
Chloromethane	ND	0.60		mg/L	200	3/15/2016 6:40:00 PM	R32817
2-Chlorotoluene	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
4-Chlorotoluene	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
cis-1,2-DCE	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
cis-1,3-Dichloropropene	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
1,2-Dibromo-3-chloropropane	ND	0.40		mg/L	200	3/15/2016 6:40:00 PM	R32817
Dibromochloromethane	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
Dibromomethane	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
1,2-Dichlorobenzene	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
1,3-Dichlorobenzene	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
1,4-Dichlorobenzene	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
Dichlorodifluoromethane	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
1,1-Dichloroethane	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
1,1-Dichloroethene	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
1,2-Dichloropropane	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
1,3-Dichloropropane	ND	0.20		mg/L	200	3/15/2016 6:40:00 PM	R32817
2,2-Dichloropropane	ND	0.40		mg/L	200	3/15/2016 6:40:00 PM	R32817

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

Qualifiers:

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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 Report
Lab Order **1603699**
Date Reported: **3/21/2016**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Project: Hart Canyon #1
Lab ID: 1603699-001 **Matrix:** AQUEOUS

Client Sample ID: Hart #1 Non Exempt
Collection Date: 3/14/2016 10:37:00 AM
Received Date: 3/15/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
SEMIVOLATILE ORGANICS BY 8270C						Analyst: **DAM**	
2,4-Dinitrotoluene	ND	320	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
2,6-Dinitrotoluene	ND	320	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
Fluoranthene	ND	320	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
Fluorene	ND	320	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
Hexachlorobenzene	ND	320	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
Hexachlorobutadiene	ND	320	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
Hexachlorocyclopentadiene	ND	320	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
Hexachloroethane	ND	320	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
Indeno(1,2,3-cd)pyrene	ND	320	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
Isophorone	ND	320	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
1-Methylnaphthalene	ND	320	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
2-Methylnaphthalene	ND	320	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
2-Methylphenol	ND	320	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
3+4-Methylphenol	ND	320	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
N-Nitrosodi-n-propylamine	ND	320	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
N-Nitrosodimethylamine	ND	640	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
N-Nitrosodiphenylamine	ND	320	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
Naphthalene	ND	320	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
2-Nitroaniline	ND	640	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
3-Nitroaniline	ND	640	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
4-Nitroaniline	ND	640	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
Nitrobenzene	ND	320	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
2-Nitrophenol	ND	320	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
4-Nitrophenol	ND	320	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
Pentachlorophenol	ND	640	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
Phenanthrene	ND	320	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
Phenol	ND	320	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
Pyrene	ND	320	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
Pyridine	ND	640	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
1,2,4-Trichlorobenzene	ND	320	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
2,4,5-Trichlorophenol	ND	320	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
2,4,6-Trichlorophenol	ND	320	D	mg/Kg	10	3/17/2016 12:09:40 PM	24298
Surr: 2-Fluorophenol	123	52.1-148	D	%Rec	10	3/17/2016 12:09:40 PM	24298
Surr: Phenol-d5	126	58.2-135	D	%Rec	10	3/17/2016 12:09:40 PM	24298
Surr: 2,4,6-Tribromophenol	126	63.8-129	D	%Rec	10	3/17/2016 12:09:40 PM	24298
Surr: Nitrobenzene-d5	128	43.5-189	D	%Rec	10	3/17/2016 12:09:40 PM	24298
Surr: 2-Fluorobiphenyl	120	76.8-130	D	%Rec	10	3/17/2016 12:09:40 PM	24298
Surr: 4-Terphenyl-d14	90.9	32-199	D	%Rec	10	3/17/2016 12:09:40 PM	24298
EPA METHOD 8260B: VOLATILES						Analyst: **AG**	

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

Qualifiers:

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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

District I
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

Form C-138
Revised 08/01/11

*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address:
Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401

2. Originating Site:
San Juan Manzanares Compressor Station

3. Location of Material (Street Address, City, State or ULSTR):
UL H Section 17 Township 29 North Range 9 West; 36.726358, -107.794560, San Juan County, NM

4. Source and Description of Waste:
Source: Water/Oil from the Non Exempt WasteWater Tanks and from the compressor skid drains.
Description: Non Exempt/Non Hazardous Water from the compressor skids.
Estimated Volume 80 yd^3 / bbls Known Volume (to be entered by the operator at the end of the haul) 103 yd^3 / bbls

5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, Thomas Long Thomas Long, representative or authorized agent for Enterprise Products Operating do hereby
Generator Signature
certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

☐ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. ***Operator Use Only: Waste Acceptance Frequency*** ☐ ***Monthly*** ☐ ***Weekly*** ☐ ***Per Load***

☒ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☐ MSDS Information ☒ RCRA Hazardous Waste Analysis ☒ Process Knowledge ☐ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, Thomas Long Thomas Long, representative for Enterprise Products Operating authorize to complete
Generator Signature
the required testing/sign the Generator Waste Testing Certification.

I, _____, representative for Agua Moss, LLC do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

6. Transporter: Various Apporved Trucking

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: ***Agua Moss, LLC - Permit #: NM-01-009**
Address of Facility: **SW/4 NW/4 Section 2, Township 29N, Range Crouch Mesa, NM**

Method of Treatment and/or Disposal:
☐ Evaporation ☒ Injection ☐ Treating Plant ☐ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☐ **APPROVED** ☐ **DENIED** (Must Be Maintained As Permanent Record)

PRINT NAME: Adrian Hudson TITLE: Operator DATE: 1/2/17
SIGNATURE: _____ TELEPHONE NO.: (505) 334-6178
Surface Waste Management Facility Authorized Agent

Chain-of-Custody Record

Client: Enterprise

Mailing Address: 614 E. Broadway
Farmington, NM 87401

Phone #: 505-325-2535

email or Fax#: ashley.ager@dvn.com

QA/QC Package: Standard / Level 4 (Full Validation)

Accreditation: NELAP / Other

EDD (Type):

Turn-Around Time: Standard / Rush

Project Name: Mallon Gas Com #1E

Project #:

Project Manager: Tom Long

Ashley Ager

Sampler: Logan Walters

On Ice: Yes / No

Sample Temperature: 1.8

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.
3-2-16	0959	Gas	Mallon Gas Com #1E Enterprise Vessel	Tedlar	Unpres.	1603245-001

Analysis Request

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIM)	RCRA 8 Metals TCLP	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)						Air Bubbles (Y or N)
					X	X			X							

Date: 3-2-16 Time: 1304 Relinquished by: Logan Walters Received by: Logan Walters Date: 3/3/16 Time: 1304

Date: 3/4 Time: 1801 Relinquished by: Christine Walters Received by: [signature] Date: 03/4/16 Time: 0815

Remarks: 8260 Full List; Report TCLP Compounds AT TCLP Limits

cc: Tom Long / Enterprise

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: SMA-FARM Work Order Number: 1603245 RcptNo: 1

Received by/date: JA 03/04/16

Logged By: Anne Thorne 3/4/2016 8:15:00 AM Anne Thorne

Completed By: Anne Thorne 3/4/2016 Anne Thorne

Reviewed By: IO 03/04/16

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

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

# of preserved bottles checked for pH: 6 (<2 or >12 unless noted)

Adjusted? No

Checked by: JA

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.8	Good	Yes			

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1603245**

06-Apr-16

Client: Souder, Miller and Associates

Project: Manzanares (SJ) CS

Sample ID **MB-24136**	SampType: **MBLK**	TestCode: **EPA 6010B: Total Recoverable Metals**
Client ID: **PBW**	Batch ID: **24136**	RunNo: **32664**
Prep Date: **3/8/2016**	Analysis Date: **3/9/2016**	SeqNo: **999450** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.020								
Barium	ND	0.020								
Cadmium	ND	0.0020								
Chromium	ND	0.0060								
Lead	ND	0.0050								
Selenium	ND	0.050								
Silver	ND	0.0050								

Sample ID **LCS-24136**	SampType: **LCS**	TestCode: **EPA 6010B: Total Recoverable Metals**
Client ID: **LCSW**	Batch ID: **24136**	RunNo: **32664**
Prep Date: **3/8/2016**	Analysis Date: **3/9/2016**	SeqNo: **999451** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.51	0.020	0.5000	0	103	80	120			
Barium	0.49	0.020	0.5000	0	98.0	80	120			
Cadmium	0.50	0.0020	0.5000	0	99.1	80	120			
Chromium	0.49	0.0060	0.5000	0	98.8	80	120			
Lead	0.49	0.0050	0.5000	0	97.6	80	120			
Selenium	0.50	0.050	0.5000	0	100	80	120			
Silver	0.10	0.0050	0.1000	0	102	80	120			

Sample ID **LCSD-24136**	SampType: **LCSD**	TestCode: **EPA 6010B: Total Recoverable Metals**
Client ID: **LCSS02**	Batch ID: **24136**	RunNo: **32664**
Prep Date: **3/8/2016**	Analysis Date: **3/9/2016**	SeqNo: **999452** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.50	0.020	0.5000	0	101	80	120	1.64	20	
Barium	0.49	0.020	0.5000	0	97.7	80	120	0.323	20	
Cadmium	0.49	0.0020	0.5000	0	98.6	80	120	0.577	20	
Chromium	0.49	0.0060	0.5000	0	98.6	80	120	0.203	20	
Lead	0.49	0.0050	0.5000	0	97.9	80	120	0.315	20	
Selenium	0.51	0.050	0.5000	0	101	80	120	1.30	20	
Silver	0.10	0.0050	0.1000	0	101	80	120	0.757	20	

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#: **1603245**

06-Apr-16

Client: Souder, Miller and Associates
Project: Manzanares (SJ) CS

Sample ID	**MB-24111**	SampType:	**MBLK**	TestCode:	**EPA Method 7470: Mercury**				
Client ID:	**PBW**	Batch ID:	**24111**	RunNo:	**32641**				
Prep Date:	**3/7/2016**	Analysis Date:	**3/8/2016**	SeqNo:	**998810**	Units:	**mg/L**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.00020								

Sample ID	**LCS-24111**	SampType:	**LCS**	TestCode:	**EPA Method 7470: Mercury**				
Client ID:	**LCSW**	Batch ID:	**24111**	RunNo:	**32641**				
Prep Date:	**3/7/2016**	Analysis Date:	**3/8/2016**	SeqNo:	**998811**	Units:	**mg/L**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0051	0.00020	0.005000	0	101	80	120			

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#: **1603245**

06-Apr-16

Client: Souder, Miller and Associates

Project: Manzanares (SJ) CS

Sample ID **100ng lcs2**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **C32762**	RunNo: **32762**
Prep Date:	Analysis Date: **3/12/2016**	SeqNo: **1003118** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene	20	1.0	20.00	0	101	70	130			
Trichloroethene (TCE)	19	1.0	20.00	0	93.8	70	130			
Surr: 1,2-Dichloroethane-d4	9.5		10.00		94.6	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		110	70	130			
Surr: Dibromofluoromethane	9.3		10.00		93.4	70	130			
Surr: Toluene-d8	9.7		10.00		96.8	70	130			

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#: **1603245**

06-Apr-16

Client: Souder, Miller and Associates
Project: Manzanares (SJ) CS

Sample ID **rb2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **C32762**	RunNo: **32762**
Prep Date:	Analysis Date: **3/12/2016**	SeqNo: **1003117** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.2		10.00		91.7	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		107	70	130			
Surr: Dibromofluoromethane	9.3		10.00		92.8	70	130			
Surr: Toluene-d8	9.6		10.00		96.1	70	130			

Sample ID **100ng lcs2**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **C32762**	RunNo: **32762**
Prep Date:	Analysis Date: **3/12/2016**	SeqNo: **1003118** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	97.9	70	130			
Toluene	21	1.0	20.00	0	106	70	130			
Chlorobenzene	21	1.0	20.00	0	105	70	130			

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#: 1603245

06-Apr-16

Client: Souder, Miller and Associates

Project: Manzanares (SJ) CS

Sample ID **rb2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **C32762**	RunNo: **32762**
Prep Date:	Analysis Date: **3/12/2016**	SeqNo: **1003117** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								

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 Report
Lab Order **1603245**
Date Reported: **4/6/2016**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Project: Manzanares (SJ) CS
Lab ID: 1603245-001 **Matrix:** AQUEOUS

Client Sample ID: Manzanares T4 -5 Non Exempt
Collection Date: 3/3/2016 10:49:00 AM
Received Date: 3/4/2016 8:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
n-Propylbenzene	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
sec-Butylbenzene	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
Styrene	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
tert-Butylbenzene	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
1,1,1,2-Tetrachloroethane	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
1,1,2,2-Tetrachloroethane	ND	0.40		mg/L	200	3/12/2016 11:20:06 AM	C32762
Tetrachloroethene (PCE)	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
trans-1,2-DCE	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
trans-1,3-Dichloropropene	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
1,2,3-Trichlorobenzene	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
1,2,4-Trichlorobenzene	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
1,1,1-Trichloroethane	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
1,1,2-Trichloroethane	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
Trichloroethene (TCE)	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
Trichlorofluoromethane	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
1,2,3-Trichloropropane	ND	0.40		mg/L	200	3/12/2016 11:20:06 AM	C32762
Vinyl chloride	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
Xylenes, Total	ND	0.30		mg/L	200	3/12/2016 11:20:06 AM	C32762
Surr: 1,2-Dichloroethane-d4	93.8	70-130		%Rec	200	3/12/2016 11:20:06 AM	C32762
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	200	3/12/2016 11:20:06 AM	C32762
Surr: Dibromofluoromethane	92.8	70-130		%Rec	200	3/12/2016 11:20:06 AM	C32762
Surr: Toluene-d8	96.6	70-130		%Rec	200	3/12/2016 11:20:06 AM	C32762

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 Report
Lab Order **1603245**
Date Reported: **4/6/2016**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Project: Manzanares (SJ) CS
Lab ID: 1603245-001 **Matrix:** AQUEOUS

Client Sample ID: Manzanares T4 -5 Non Exempt
Collection Date: 3/3/2016 10:49:00 AM
Received Date: 3/4/2016 8:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Naphthalene	ND	0.40		mg/L	200	3/12/2016 11:20:06 AM	C32762
1-Methylnaphthalene	ND	0.80		mg/L	200	3/12/2016 11:20:06 AM	C32762
2-Methylnaphthalene	ND	0.80		mg/L	200	3/12/2016 11:20:06 AM	C32762
Acetone	ND	2.0		mg/L	200	3/12/2016 11:20:06 AM	C32762
Bromobenzene	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
Bromodichloromethane	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
Bromoform	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
Bromomethane	ND	0.60		mg/L	200	3/12/2016 11:20:06 AM	C32762
2-Butanone	ND	2.0		mg/L	200	3/12/2016 11:20:06 AM	C32762
Carbon disulfide	ND	2.0		mg/L	200	3/12/2016 11:20:06 AM	C32762
Carbon Tetrachloride	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
Chlorobenzene	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
Chloroethane	ND	0.40		mg/L	200	3/12/2016 11:20:06 AM	C32762
Chloroform	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
Chloromethane	ND	0.60		mg/L	200	3/12/2016 11:20:06 AM	C32762
2-Chlorotoluene	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
4-Chlorotoluene	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
cis-1,2-DCE	0.36	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
cis-1,3-Dichloropropene	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
1,2-Dibromo-3-chloropropane	ND	0.40		mg/L	200	3/12/2016 11:20:06 AM	C32762
Dibromochloromethane	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
Dibromomethane	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
1,2-Dichlorobenzene	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
1,3-Dichlorobenzene	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
1,4-Dichlorobenzene	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
Dichlorodifluoromethane	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
1,1-Dichloroethane	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
1,1-Dichloroethene	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
1,2-Dichloropropane	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
1,3-Dichloropropane	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
2,2-Dichloropropane	ND	0.40		mg/L	200	3/12/2016 11:20:06 AM	C32762
1,1-Dichloropropene	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
Hexachlorobutadiene	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
2-Hexanone	ND	2.0		mg/L	200	3/12/2016 11:20:06 AM	C32762
Isopropylbenzene	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
4-Isopropyltoluene	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
4-Methyl-2-pentanone	ND	2.0		mg/L	200	3/12/2016 11:20:06 AM	C32762
Methylene Chloride	ND	0.60		mg/L	200	3/12/2016 11:20:06 AM	C32762
n-Butylbenzene	ND	0.60		mg/L	200	3/12/2016 11:20:06 AM	C32762

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 Report
Lab Order **1603245**
Date Reported: **4/6/2016**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Project: Manzanares (SJ) CS
Lab ID: 1603245-001 **Matrix:** AQUEOUS

Client Sample ID: Manzanares T4 -5 Non Exempt
Collection Date: 3/3/2016 10:49:00 AM
Received Date: 3/4/2016 8:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C TCLP						Analyst: **DAM**	
2-Methylphenol	ND	200		mg/L	1	3/12/2016 11:11:54 PM	24087
3+4-Methylphenol	ND	200		mg/L	1	3/12/2016 11:11:54 PM	24087
Phenol	ND	200		mg/L	1	3/12/2016 11:11:54 PM	24087
2,4-Dinitrotoluene	ND	0.13		mg/L	1	3/12/2016 11:11:54 PM	24087
Hexachlorobenzene	ND	0.13		mg/L	1	3/12/2016 11:11:54 PM	24087
Hexachlorobutadiene	ND	0.50		mg/L	1	3/12/2016 11:11:54 PM	24087
Hexachloroethane	ND	3.0		mg/L	1	3/12/2016 11:11:54 PM	24087
Nitrobenzene	ND	2.0		mg/L	1	3/12/2016 11:11:54 PM	24087
Pentachlorophenol	ND	100		mg/L	1	3/12/2016 11:11:54 PM	24087
Pyridine	ND	5.0		mg/L	1	3/12/2016 11:11:54 PM	24087
2,4,5-Trichlorophenol	ND	400		mg/L	1	3/12/2016 11:11:54 PM	24087
2,4,6-Trichlorophenol	ND	2.0		mg/L	1	3/12/2016 11:11:54 PM	24087
Cresols, Total	ND	200		mg/L	1	3/12/2016 11:11:54 PM	24087
Surr: 2-Fluorophenol	66.1	15-124		%Rec	1	3/12/2016 11:11:54 PM	24087
Surr: Phenol-d5	50.5	15-118		%Rec	1	3/12/2016 11:11:54 PM	24087
Surr: 2,4,6-Tribromophenol	66.7	15-148		%Rec	1	3/12/2016 11:11:54 PM	24087
Surr: Nitrobenzene-d5	102	40.6-124		%Rec	1	3/12/2016 11:11:54 PM	24087
Surr: 2-Fluorobiphenyl	95.8	35.7-128		%Rec	1	3/12/2016 11:11:54 PM	24087
Surr: 4-Terphenyl-d14	72.7	18.8-115		%Rec	1	3/12/2016 11:11:54 PM	24087
EPA METHOD 7470: MERCURY						Analyst: **pmf**	
Mercury	0.024	0.0020		mg/L	10	3/8/2016 11:42:44 AM	24111
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **MED**	
Arsenic	ND	0.20		mg/L	1	3/16/2016 7:55:46 AM	24136
Barium	ND	0.20		mg/L	1	3/16/2016 7:55:46 AM	24136
Cadmium	ND	0.020		mg/L	1	3/16/2016 7:55:46 AM	24136
Chromium	ND	0.060		mg/L	1	3/16/2016 7:55:46 AM	24136
Lead	0.060	0.050		mg/L	1	3/16/2016 7:55:46 AM	24136
Selenium	ND	0.50		mg/L	1	3/16/2016 7:55:46 AM	24136
Silver	ND	0.050		mg/L	1	3/16/2016 7:55:46 AM	24136
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
Toluene	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
Ethylbenzene	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
Methyl tert-butyl ether (MTBE)	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
1,2,4-Trimethylbenzene	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
1,3,5-Trimethylbenzene	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
1,2-Dichloroethane (EDC)	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762
1,2-Dibromoethane (EDB)	ND	0.20		mg/L	200	3/12/2016 11:20:06 AM	C32762

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

District I
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

Form C-138
Revised 08/01/11

*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address:
Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401

2. Originating Site:
Kutz Compressor Station

3. Location of Material (Street Address, City, State or ULSTR):
UL N Section 31 Township 29 North Range 12 West; 36.723088, -108.088655, San Juan County, NM

4. Source and Description of Waste:
Source: Water/Oil from the Non Exempt WasteWater Tanks and from the compressor skid drains.
Description: Non Exempt/Non Hazardous Water from the compressor skids.
Estimated Volume 100 yd^3 / bbls Known Volume (to be entered by the operator at the end of the haul) _____ yd^3 / bbls

5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, Thomas Long Thomas Long, representative or authorized agent for Enterprise Products Operating do hereby
Generator Signature
certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

☐ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. ***Operator Use Only: Waste Acceptance Frequency*** ☐ ***Monthly*** ☐ ***Weekly*** ☐ ***Per Load***

☒ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☐ MSDS Information ☒ RCRA Hazardous Waste Analysis ☒ Process Knowledge ☐ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, Thomas Long Thomas Long, representative for Enterprise Products Operating authorize to complete
Generator Signature
the required testing/sign the Generator Waste Testing Certification.

I, _____, representative for Agua Moss, LLC do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

5. Transporter: Triple S Trucking

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: ***Agua Moss, LLC - Permit #: NM-01-009**
Address of Facility: **SW/4 NW/4 Section 2, Township 29N, Range Crouch Mesa, NM**

Method of Treatment and/or Disposal:
☐ Evaporation ☒ Injection ☐ Treating Plant ☐ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:
☒ **APPROVED** ☐ **DENIED** (Must Be Maintained As Permanent Record)

PRINT NAME: Chaye Higgins TITLE: Super DATE: 8/23/18
SIGNATURE: Chaye Higgins TELEPHONE NO.: 505-486-9425
Surface Waste Management Facility Authorized Agent

EKP 18 MAR 17

District I
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

Form C-138
Revised 08/01/11

*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address:
Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401

2. Originating Site:
Kutz Compressor Station

3. Location of Material (Street Address, City, State or ULSTR):
UL N Section 31 Township 29 North Range 12 West; 36.723088, -108.088655, San Juan County, NM

4. Source and Description of Waste:
Source: Water/Oil from the Non Exempt WasteWater Tanks and from the compressor skid drains.
Description: Non Exempt/Non Hazardous Water from the compressor skids.
Estimated Volume 100 yd³ / bbls Known Volume (to be entered by the operator at the end of the haul) 215 yd³ / bbls

5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, Thomas Long Thomas Long, representative or authorized agent for Enterprise Products Operating do hereby
Generator Signature
certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

☐ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. ***Operator Use Only: Waste Acceptance Frequency*** ☐ ***Monthly*** ☐ ***Weekly*** ☐ ***Per Load***

☒ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☐ MSDS Information ☒ RCRA Hazardous Waste Analysis ☒ Process Knowledge ☐ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, Thomas Long Thomas Long 3-21-16, representative for Enterprise Products Operating authorize to complete
Generator Signature
the required testing/sign the Generator Waste Testing Certification.

I, _____, representative for Agua Moss, LLC do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

6. Transporter: Triple S Trucking

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: ***Agua Moss, LLC - Permit #: NM-01-009**
Address of Facility: **SW/4 NW/4 Section 2, Township 29N, Range Crouch Mesa, NM**

Method of Treatment and/or Disposal:
☐ Evaporation ☒ Injection ☐ Treating Plant ☐ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☐ **APPROVED** ☐ **DENIED** (Must Be Maintained As Permanent Record)

PRINT NAME: Adrian Hobson TITLE: Operator DATE: 11/2/17
SIGNATURE: _____ TELEPHONE NO.: (505) 334-6180
Surface Waste Management Facility Authorized Agent

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

March 18, 2016

Ashley Maxwell
Souder, Miller and Associates
401 W. Broadway
Farmington, NM 87401
TEL: (505) 325-5667
FAX

RE: Kutz CS OrderNo.: 1603530

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/10/2016 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 qualifers 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,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1603530**

18-Mar-16

Client: Souder, Miller and Associates

Project: Kutz CS

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R32783**	RunNo: **32783**
Prep Date:	Analysis Date: **3/14/2016**	SeqNo: **1004412** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	8.9		10.00		89.3	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		108	70	130			
Surr: Dibromofluoromethane	9.1		10.00		91.0	70	130			
Surr: Toluene-d8	9.7		10.00		96.6	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R32783**	RunNo: **32783**
Prep Date:	Analysis Date: **3/14/2016**	SeqNo: **1004413** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	96.3	70	130			
Toluene	23	1.0	20.00	0	117	70	130			
Chlorobenzene	22	1.0	20.00	0	111	70	130			

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#: **1603530**

18-Mar-16

Client: Souder, Miller and Associates

Project: Kutz CS

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R32783**	RunNo: **32783**
Prep Date:	Analysis Date: **3/14/2016**	SeqNo: **1004412** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								

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 Report
Lab Order **1603530**
Date Reported: **3/18/2016**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Project: Kutz CS
Lab ID: 1603530-001 **Matrix:** AQUEOUS

Client Sample ID: Kutz Non Exempt
Collection Date: 3/9/2016 8:53:00 AM
Received Date: 3/10/2016 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
n-Propylbenzene	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
sec-Butylbenzene	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
Styrene	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
tert-Butylbenzene	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
1,1,1,2-Tetrachloroethane	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
1,1,2,2-Tetrachloroethane	ND	0.40		mg/L	200	3/14/2016 9:10:23 PM	R32783
Tetrachloroethene (PCE)	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
trans-1,2-DCE	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
trans-1,3-Dichloropropene	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
1,2,3-Trichlorobenzene	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
1,2,4-Trichlorobenzene	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
1,1,1-Trichloroethane	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
1,1,2-Trichloroethane	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
Trichloroethene (TCE)	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
Trichlorofluoromethane	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
1,2,3-Trichloropropane	ND	0.40		mg/L	200	3/14/2016 9:10:23 PM	R32783
Vinyl chloride	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
Xylenes, Total	0.38	0.30		mg/L	200	3/14/2016 9:10:23 PM	R32783
Surr: 1,2-Dichloroethane-d4	89.2	70-130		%Rec	200	3/14/2016 9:10:23 PM	R32783
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	200	3/14/2016 9:10:23 PM	R32783
Surr: Dibromofluoromethane	95.0	70-130		%Rec	200	3/14/2016 9:10:23 PM	R32783
Surr: Toluene-d8	94.5	70-130		%Rec	200	3/14/2016 9:10:23 PM	R32783

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

Qualifiers:

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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
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S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1603530**
Date Reported: **3/18/2016**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Project: Kutz CS
Lab ID: 1603530-001 **Matrix:** AQUEOUS

Client Sample ID: Kutz Non Exempt
Collection Date: 3/9/2016 8:53:00 AM
Received Date: 3/10/2016 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Naphthalene	ND	0.40		mg/L	200	3/14/2016 9:10:23 PM	R32783
1-Methylnaphthalene	ND	0.80		mg/L	200	3/14/2016 9:10:23 PM	R32783
2-Methylnaphthalene	ND	0.80		mg/L	200	3/14/2016 9:10:23 PM	R32783
Acetone	ND	2.0		mg/L	200	3/14/2016 9:10:23 PM	R32783
Bromobenzene	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
Bromodichloromethane	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
Bromoform	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
Bromomethane	ND	0.60		mg/L	200	3/14/2016 9:10:23 PM	R32783
2-Butanone	ND	2.0		mg/L	200	3/14/2016 9:10:23 PM	R32783
Carbon disulfide	ND	2.0		mg/L	200	3/14/2016 9:10:23 PM	R32783
Carbon Tetrachloride	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
Chlorobenzene	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
Chloroethane	ND	0.40		mg/L	200	3/14/2016 9:10:23 PM	R32783
Chloroform	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
Chloromethane	ND	0.60		mg/L	200	3/14/2016 9:10:23 PM	R32783
2-Chlorotoluene	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
4-Chlorotoluene	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
cis-1,2-DCE	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
cis-1,3-Dichloropropene	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
1,2-Dibromo-3-chloropropane	ND	0.40		mg/L	200	3/14/2016 9:10:23 PM	R32783
Dibromochloromethane	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
Dibromomethane	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
1,2-Dichlorobenzene	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
1,3-Dichlorobenzene	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
1,4-Dichlorobenzene	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
Dichlorodifluoromethane	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
1,1-Dichloroethane	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
1,1-Dichloroethene	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
1,2-Dichloropropane	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
1,3-Dichloropropane	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
2,2-Dichloropropane	ND	0.40		mg/L	200	3/14/2016 9:10:23 PM	R32783
1,1-Dichloropropene	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
Hexachlorobutadiene	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
2-Hexanone	ND	2.0		mg/L	200	3/14/2016 9:10:23 PM	R32783
Isopropylbenzene	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
4-Isopropyltoluene	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
4-Methyl-2-pentanone	ND	2.0		mg/L	200	3/14/2016 9:10:23 PM	R32783
Methylene Chloride	ND	0.60		mg/L	200	3/14/2016 9:10:23 PM	R32783
n-Butylbenzene	ND	0.60		mg/L	200	3/14/2016 9:10:23 PM	R32783

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Analytical Report
Lab Order **1603530**
Date Reported: **3/18/2016**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Client Sample ID: Kutz Non Exempt
Project: Kutz CS
Collection Date: 3/9/2016 8:53:00 AM
Lab ID: 1603530-001 **Matrix:** AQUEOUS **Received Date:** 3/10/2016 7:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C TCLP						Analyst: **DAM**	
2-Methylphenol	ND	200		mg/L	1	3/16/2016 4:27:41 PM	24177
3+4-Methylphenol	ND	200		mg/L	1	3/16/2016 4:27:41 PM	24177
Phenol	ND	200		mg/L	1	3/16/2016 4:27:41 PM	24177
2,4-Dinitrotoluene	ND	0.13		mg/L	1	3/16/2016 4:27:41 PM	24177
Hexachlorobenzene	ND	0.13		mg/L	1	3/16/2016 4:27:41 PM	24177
Hexachlorobutadiene	ND	0.50		mg/L	1	3/16/2016 4:27:41 PM	24177
Hexachloroethane	ND	3.0		mg/L	1	3/16/2016 4:27:41 PM	24177
Nitrobenzene	ND	2.0		mg/L	1	3/16/2016 4:27:41 PM	24177
Pentachlorophenol	ND	100		mg/L	1	3/16/2016 4:27:41 PM	24177
Pyridine	ND	5.0		mg/L	1	3/16/2016 4:27:41 PM	24177
2,4,5-Trichlorophenol	ND	400		mg/L	1	3/16/2016 4:27:41 PM	24177
2,4,6-Trichlorophenol	ND	2.0		mg/L	1	3/16/2016 4:27:41 PM	24177
Cresols, Total	ND	200		mg/L	1	3/16/2016 4:27:41 PM	24177
Surr: 2-Fluorophenol	17.2	15-124		%Rec	1	3/16/2016 4:27:41 PM	24177
Surr: Phenol-d5	24.6	15-118		%Rec	1	3/16/2016 4:27:41 PM	24177
Surr: 2,4,6-Tribromophenol	32.4	15-148		%Rec	1	3/16/2016 4:27:41 PM	24177
Surr: Nitrobenzene-d5	99.0	40.6-124		%Rec	1	3/16/2016 4:27:41 PM	24177
Surr: 2-Fluorobiphenyl	105	35.7-128		%Rec	1	3/16/2016 4:27:41 PM	24177
Surr: 4-Terphenyl-d14	113	18.8-115		%Rec	1	3/16/2016 4:27:41 PM	24177
EPA METHOD 7470: MERCURY						Analyst: **pmf**	
Mercury	ND	0.0040		mg/L	5	3/14/2016 5:20:44 PM	24205
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **MED**	
Arsenic	ND	0.020		mg/L	1	3/16/2016 8:11:07 AM	24202
Barium	0.11	0.020		mg/L	1	3/16/2016 8:11:07 AM	24202
Cadmium	0.0037	0.0020		mg/L	1	3/16/2016 8:11:07 AM	24202
Chromium	ND	0.0060		mg/L	1	3/16/2016 8:11:07 AM	24202
Lead	0.016	0.0050		mg/L	1	3/16/2016 8:11:07 AM	24202
Selenium	ND	0.050		mg/L	1	3/16/2016 8:11:07 AM	24202
Silver	ND	0.0050		mg/L	1	3/16/2016 8:11:07 AM	24202
EPA METHOD 8260B: VOLATILES						Analyst: **DJF**	
Benzene	0.42	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
Toluene	0.97	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
Ethylbenzene	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
Methyl tert-butyl ether (MTBE)	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
1,2,4-Trimethylbenzene	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
1,3,5-Trimethylbenzene	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
1,2-Dichloroethane (EDC)	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783
1,2-Dibromoethane (EDB)	ND	0.20		mg/L	200	3/14/2016 9:10:23 PM	R32783

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HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: SMA-FARM Work Order Number: 1603530 RcptNo: 1

Received by/date: 87 03/10/16

Logged By: Lindsay Mangin 3/10/2016 7:25:00 AM

Completed By: Lindsay Mangin 3/10/2016 8:50:04 AM

Reviewed By: JM 03/10/16

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

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

# of preserved bottles checked for pH: ____ (<2 or >12 unless noted)

Adjusted? ____

Checked by: ____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: ____ Date: ____

By Whom: ____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: ____

Client Instructions: ____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

Turn-Around Time: ☑ Standard ☐ Rush

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Client: SMA

Mailing Address: 401 W. Broadway Farmington NM 87401

Phone #: 505 325-7535

Email or Fax#:

QA/QC Package: ☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ NELAP ☐ Other

☐ EDD (Type)

Project Name: Kutz CS

Project #:

Project Manager: Tom Long / Ashley Maxwell

Sampler: Randy Watson

On Ice: ☑ Yes ☐ No

Sample Temperature: 1.0

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals TCLP	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
3-9-16	8:53	H2O	Kutz NON Exempt	VARIOUS	VARIOUS	1603530-001						X	X			X						

Date	Time	Relinquished by:	Received by:	Date	Time
3/9/16	1704	Randy Watson	Christa Walters	3/9/16	1704
3/10/16	1814	Christa Walters		03/10/16	0725

Remarks: 8260 Full List; Report TCLP compounds at TCLP limits

Invoice Enterprise

cc:- Tom Long Enterprise

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1603530**

18-Mar-16

Client: Souder, Miller and Associates

Project: Kutz CS

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **R32783**	RunNo: **32783**
Prep Date:	Analysis Date: **3/14/2016**	SeqNo: **1004413** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene	20	1.0	20.00	0	100	70	130			
Trichloroethene (TCE)	19	1.0	20.00	0	95.1	70	130			
Surr: 1,2-Dichloroethane-d4	8.5		10.00		85.1	70	130			
Surr: 4-Bromofluorobenzene	12		10.00		117	70	130			
Surr: Dibromofluoromethane	8.8		10.00		88.4	70	130			
Surr: Toluene-d8	10		10.00		105	70	130			

Qualifiers:

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1603530**

18-Mar-16

Client: Souder, Miller and Associates
Project: Kutz CS

Sample ID	MB-24205	SampType:	MBLK	TestCode:	EPA Method 7470: Mercury				
Client ID:	PBW	Batch ID:	24205	RunNo:	32782				
Prep Date:	3/10/2016	Analysis Date:	3/14/2016	SeqNo:	1004533	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.00020								

Sample ID	LCS-24205	SampType:	LCS	TestCode:	EPA Method 7470: Mercury				
Client ID:	LCSW	Batch ID:	24205	RunNo:	32782				
Prep Date:	3/10/2016	Analysis Date:	3/14/2016	SeqNo:	1004534	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0052	0.00020	0.005000	0	104	80	120			

Sample ID	1603530-001CMS	SampType:	MS	TestCode:	EPA Method 7470: Mercury				
Client ID:	Kutz Non Exempt	Batch ID:	24205	RunNo:	32782				
Prep Date:	3/10/2016	Analysis Date:	3/14/2016	SeqNo:	1004572	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.011	0.0040	0.02000	0.001462	47.9	75	125			S

Sample ID	1603530-001CMSD	SampType:	MSD	TestCode:	EPA Method 7470: Mercury				
Client ID:	Kutz Non Exempt	Batch ID:	24205	RunNo:	32782				
Prep Date:	3/10/2016	Analysis Date:	3/14/2016	SeqNo:	1004573	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.011	0.0040	0.02000	0.001462	48.4	75	125	0.806	20	S

Qualifiers:

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District I
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

Form C-138
Revised 08/01/11

*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address:
Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401

2. Originating Site:
Chaco Gas Plant

3. Location of Material (Street Address, City, State or ULSTR):
UL M Section 16, T26N, R12W; 36.482905, -108.119193, San Juan County, NM

4. Source and Description of Waste:
Source: Water/Oil from the Non Exempt WasteWater Tanks and from the compressor skid drains.
Description: Non Exempt/Non Hazardous Water from the compressor skids.
Estimated Volume 120 yd³ / bbls Known Volume (to be entered by the operator at the end of the haul) 5933 yd³ / bbls

5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, Thomas Long Thomas Long, representative or authorized agent for Enterprise Products Operating do hereby
Generator Signature
certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

☐ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. ***Operator Use Only: Waste Acceptance Frequency*** ☐ ***Monthly*** ☐ ***Weekly*** ☐ ***Per Load***

☒ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☐ MSDS Information ☒ RCRA Hazardous Waste Analysis ☒ Process Knowledge ☐ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, Thomas Long Thomas Long, representative for Enterprise Products Operating authorize to complete
Generator Signature
the required testing/sign the Generator Waste Testing Certification.

I, _____, representative for Agua Moss, LLC do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

5. Transporter: Triple S Trucking

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: ***Agua Moss, LLC - Permit #: NM-01-009**
Address of Facility: **SW/4 NW/4 Section 2, Township 29N, Range Crouch Mesa, NM**

Method of Treatment and/or Disposal:
☐ Evaporation ☒ Injection ☐ Treating Plant ☐ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:
☒ **APPROVED** ☐ **DENIED** (Must Be Maintained As Permanent Record)

PRINT NAME: Gary Higgins TITLE: Superintendent DATE: 12/17
SIGNATURE: _____ TELEPHONE NO.: _____
Surface Waste Management Facility Authorized Agent

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
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Oil Conservation Division
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Santa Fe, NM 87505

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Revised 08/01/11

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UL M Section 16, T26N, R12W; 36.482905, -108.119193, San Juan County, NM

4. Source and Description of Waste:
Source: Water/Oil from the Non Exempt WasteWater Tanks and from the compressor skid drains.
Description: Non Exempt/Non Hazardous Water from the compressor skids.
Estimated Volume 120 yd^3 / (bbls) Known Volume (to be entered by the operator at the end of the haul) 2760 yd^3 (bbls)

5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, Thomas Long (Thomas Long), representative or authorized agent for Enterprise Products Operating do hereby
Generator Signature
certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

☐ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. ***Operator Use Only: Waste Acceptance Frequency*** ☐ ***Monthly*** ☐ ***Weekly*** ☐ ***Per Load***

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☐ Evaporation ☒ Injection ☐ Treating Plant ☐ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☐ **APPROVED** ☐ **DENIED** (Must Be Maintained As Permanent Record)

PRINT NAME: Morgan Hilbar TITLE: Operator DATE: 11/2/17
SIGNATURE: _____ TELEPHONE NO.: (505)334-6186
Surface Waste Management Facility Authorized Agent

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

May 09, 2016

Thomas Long
Enterprise Field Services
614 Reilly Ave.
Farmington, NM 87401
TEL: (505) 599-2141
FAX

RE: Chaco Plant OrderNo.: 1604674

Dear Thomas Long:

Hall Environmental Analysis Laboratory received 2 sample(s) on 4/15/2016 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 qualifers 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,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Chain-of-Custody Record

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Client: Enterprise Products

Mailing Address: 614 Reilly Ave. Farmington NM 87401

Phone #: 505-599-2286

Email or Fax#: EJlong

QA/QC Package: ☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ NELAP ☐ Other ____

☐ EDD (Type) ____

Turn-Around Time: ☒ Standard ☐ Rush ____

Project Name: Chaco Plant

Project #:

Project Manager: Thomas Long

Sampler: TL

On Ice: ☒ Yes ☐ No

Sample Temperature: 2.5

HEAL No. 1604674

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA) TCLP	8270 (Semi-VOA) TCLP	6010 RCRA Metals				Air Bubbles (Y or N)
4-14-16	1008	Solid	Air Dry Dessicant	2 9oz	Cool										X	X	X				
"	1045	Water	Non Exempt Tank	3 VOA's 1L	Varies										X	X	X				

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Date	Time
4-14-16	1456	Thomas Long	Christine Walker	4/14/16	1456
4/14	1904	Christine Walker		04/15/16	0720

Remarks: Report TCLP RCRA Limits

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Enterprise | Work Order Number: 1604674 | RcptNo: 1

Received by/date: KM 04/15/16

Logged By: Ashley Gallegos 4/15/2016 7:20:00 AM AG

Completed By: Ashley Gallegos 4/15/2016 12:18:09 PM AG

Reviewed By: 04/15/16

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑ AS	No ☑	
9. Was preservative added to bottles?	Yes ☑	No ☑ AS	NA ☐
10. VOA vials have zero headspace?	Yes ☑	No ☐	No VOA Vials ☐
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: 1 (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted? yes
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by AS

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: | Date:
By Whom: | Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

17. Additional remarks: For metals analysis: added 1mL HNO3 to 60 for acceptable pH

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.5	Good	Yes			

4/15 @ 1329 AS

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1604674

09-May-16

Client: Enterprise Field Services

Project: Chaco Plant

Sample ID	MB-24977	SampType:	MBLK	TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	PBW	Batch ID:	24977	RunNo:	33820				
Prep Date:	4/25/2016	Analysis Date:	4/27/2016	SeqNo:	1041825	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.020								
Lead	ND	0.0050								

Sample ID	LCS-24977	SampType:	LCS	TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	LCSW	Batch ID:	24977	RunNo:	33820				
Prep Date:	4/25/2016	Analysis Date:	4/27/2016	SeqNo:	1041826	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.51	0.020	0.5000	0	102	80	120			
Lead	0.47	0.0050	0.5000	0	94.3	80	120			

Sample ID	MB-24977	SampType:	MBLK	TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	PBW	Batch ID:	24977	RunNo:	33997				
Prep Date:	4/25/2016	Analysis Date:	5/5/2016	SeqNo:	1047607	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	ND	0.020								
Cadmium	ND	0.0020								
Chromium	ND	0.0060								
Selenium	ND	0.050								
Silver	ND	0.0050								

Sample ID	LCS-24977	SampType:	LCS	TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	LCSW	Batch ID:	24977	RunNo:	33997				
Prep Date:	4/25/2016	Analysis Date:	5/5/2016	SeqNo:	1047608	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	0.50	0.020	0.5000	0	100	80	120			
Cadmium	0.50	0.0020	0.5000	0	99.6	80	120			
Chromium	0.49	0.0060	0.5000	0	98.6	80	120			
Selenium	0.51	0.050	0.5000	0	102	80	120			
Silver	0.10	0.0050	0.1000	0	100	80	120			

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#: **1604674**

09-May-16

Client: Enterprise Field Services

Project: Chaco Plant

Sample ID	MB-24953	SampType:	MBLK	TestCode:	EPA Method 6010B: TCLP Metals				
Client ID:	PBW	Batch ID:	24953	RunNo:	33748				
Prep Date:	4/22/2016	Analysis Date:	4/25/2016	SeqNo:	1039448	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	5.0								
Barium	ND	100								
Cadmium	ND	1.0								
Chromium	ND	5.0								
Lead	ND	5.0								
Selenium	ND	1.0								
Silver	ND	5.0								

Sample ID	LCS-24953	SampType:	LCS	TestCode:	EPA Method 6010B: TCLP Metals				
Client ID:	LCSW	Batch ID:	24953	RunNo:	33748				
Prep Date:	4/22/2016	Analysis Date:	4/25/2016	SeqNo:	1039449	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	5.0	0.5000	0	109	80	120			
Barium	ND	100	0.5000	0	98.0	80	120			
Cadmium	ND	1.0	0.5000	0	102	80	120			
Chromium	ND	5.0	0.5000	0	97.6	80	120			
Lead	ND	5.0	0.5000	0	98.4	80	120			
Selenium	ND	1.0	0.5000	0	110	80	120			
Silver	ND	5.0	0.1000	0	108	80	120			

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#: **1604674**

09-May-16

Client: Enterprise Field Services

Project: Chaco Plant

Sample ID	**MB-24994**	SampType:	**MBLK**	TestCode:	**MERCURY, TCLP**					
Client ID:	**PBW**	Batch ID:	**24994**	RunNo:	**33798**					
Prep Date:	**4/26/2016**	Analysis Date:	**4/26/2016**	SeqNo:	**1040933**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.020								

Sample ID	**LCS-24994**	SampType:	**LCS**	TestCode:	**MERCURY, TCLP**					
Client ID:	**LCSW**	Batch ID:	**24994**	RunNo:	**33798**					
Prep Date:	**4/26/2016**	Analysis Date:	**4/26/2016**	SeqNo:	**1040935**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.020	0.005000	0	99.3	80	120			

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#: **1604674**

09-May-16

Client: Enterprise Field Services

Project: Chaco Plant

Sample ID	**MB-25066**	SampType:	**MBLK**	TestCode:	**EPA Method 7470: Mercury**					
Client ID:	**PBW**	Batch ID:	**25066**	RunNo:	**33907**					
Prep Date:	**4/28/2016**	Analysis Date:	**4/29/2016**	SeqNo:	**1044543**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.00020								

Sample ID	**LCS-25066**	SampType:	**LCS**	TestCode:	**EPA Method 7470: Mercury**					
Client ID:	**LCSW**	Batch ID:	**25066**	RunNo:	**33907**					
Prep Date:	**4/28/2016**	Analysis Date:	**4/29/2016**	SeqNo:	**1044544**	Units:	**mg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0051	0.00020	0.005000	0	102	80	120			

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#: **1604674**

09-May-16

Client: Enterprise Field Services

Project: Chaco Plant

Sample ID **lcsd-24921**	SampType: **LCSD**	TestCode: **EPA Method 8270C TCLP**							
Client ID: **LCSS02**	Batch ID: **24921**	RunNo: **33739**							
Prep Date: **4/21/2016**	Analysis Date: **4/22/2016**	SeqNo: **1042555**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Pentachlorophenol	0.079	0.010	0.1000	0	79.0	27.9	90.3	7.79	20	
Pyridine	0.017	0.010	0.1000	0	16.8	29.3	105	39.3	20	RS
2,4,5-Trichlorophenol	0.10	0.010	0.1000	0	103	34	118	5.40	20	
2,4,6-Trichlorophenol	0.097	0.010	0.1000	0	97.2	34.1	109	0.599	20	
Cresols, Total	0.25	0.010	0.3000	0	81.7	30	136	9.82	20	
Surr: 2-Fluorophenol	0.12		0.2000		61.6	19	121	0	20	
Surr: Phenol-d5	0.096		0.2000		48.2	31.8	117	0	20	
Surr: 2,4,6-Tribromophenol	0.19		0.2000		95.3	31.3	139	0	20	
Surr: Nitrobenzene-d5	0.085		0.1000		85.3	48.2	128	0	20	
Surr: 2-Fluorobiphenyl	0.087		0.1000		86.7	58.4	114	0	20	
Surr: 4-Terphenyl-d14	0.069		0.1000		69.3	17.4	141	0	20	

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#: **1604674**

09-May-16

Client: Enterprise Field Services

Project: Chaco Plant

Sample ID **lcs-25008**	SampType: **LCS**	TestCode: **EPA Method 8270C TCLP**
Client ID: **LCSS**	Batch ID: **25008**	RunNo: **33838**
Prep Date: **4/27/2016**	Analysis Date: **4/27/2016**	SeqNo: **1042552** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Nitrobenzene-d5	0.065		0.1000		65.1	48.2	128			
Surr: 2-Fluorobiphenyl	0.062		0.1000		61.7	58.4	114			
Surr: 4-Terphenyl-d14	0.056		0.1000		56.3	17.4	141			

Sample ID **lcs-24921**	SampType: **LCS**	TestCode: **EPA Method 8270C TCLP**
Client ID: **LCSS**	Batch ID: **24921**	RunNo: **33739**
Prep Date: **4/21/2016**	Analysis Date: **4/22/2016**	SeqNo: **1042554** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2-Methylphenol	0.074	0.010	0.1000	0	74.5	37.6	110			
3+4-Methylphenol	0.15	0.010	0.2000	0	73.9	30.5	149			
2,4-Dinitrotoluene	0.072	0.010	0.1000	0	71.8	24.9	93.7			
Hexachlorobenzene	0.087	0.010	0.1000	0	86.7	40	114			
Hexachlorobutadiene	0.066	0.010	0.1000	0	65.9	37.4	119			
Hexachloroethane	0.057	0.010	0.1000	0	57.2	33.8	105			
Nitrobenzene	0.077	0.010	0.1000	0	77.3	33.4	115			
Pentachlorophenol	0.073	0.010	0.1000	0	73.0	27.9	90.3			
Pyridine	0.011	0.010	0.1000	0	11.3	29.3	105			S
2,4,5-Trichlorophenol	0.098	0.010	0.1000	0	97.6	34	118			
2,4,6-Trichlorophenol	0.097	0.010	0.1000	0	96.6	34.1	109			
Cresols, Total	0.22	0.010	0.3000	0	74.1	30	136			
Surr: 2-Fluorophenol	0.10		0.2000		52.0	19	121			
Surr: Phenol-d5	0.082		0.2000		40.9	31.8	117			
Surr: 2,4,6-Tribromophenol	0.17		0.2000		85.4	31.3	139			
Surr: Nitrobenzene-d5	0.081		0.1000		81.3	48.2	128			
Surr: 2-Fluorobiphenyl	0.083		0.1000		83.0	58.4	114			
Surr: 4-Terphenyl-d14	0.069		0.1000		69.3	17.4	141			

Sample ID **lcsd-24921**	SampType: **LCSD**	TestCode: **EPA Method 8270C TCLP**
Client ID: **LCSS02**	Batch ID: **24921**	RunNo: **33739**
Prep Date: **4/21/2016**	Analysis Date: **4/22/2016**	SeqNo: **1042555** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2-Methylphenol	0.078	0.010	0.1000	0	77.6	37.6	110	4.13	20	
3+4-Methylphenol	0.17	0.010	0.2000	0	83.8	30.5	149	12.6	20	
2,4-Dinitrotoluene	0.074	0.010	0.1000	0	73.9	24.9	93.7	2.88	20	
Hexachlorobenzene	0.091	0.010	0.1000	0	90.8	40	114	4.57	20	
Hexachlorobutadiene	0.066	0.010	0.1000	0	65.9	37.4	119	0.0303	20	
Hexachloroethane	0.064	0.010	0.1000	0	64.2	33.8	105	11.6	20	
Nitrobenzene	0.081	0.010	0.1000	0	81.4	33.4	115	5.19	20	

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#: 1604674

09-May-16

Client: Enterprise Field Services

Project: Chaco Plant

Sample ID mb-24921	SampType: MBLK	TestCode: EPA Method 8270C TCLP
Client ID: PBS	Batch ID: 24921	RunNo: 33739
Prep Date: 4/21/2016	Analysis Date: 4/22/2016	SeqNo: 1039149 Units: mg/L

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2-Methylphenol	ND	200								
3+4-Methylphenol	ND	200								
Phenol	ND	200								
2,4-Dinitrotoluene	ND	0.13								
Hexachlorobenzene	ND	0.13								
Hexachlorobutadiene	ND	0.50								
Hexachloroethane	ND	3.0								
Nitrobenzene	ND	2.0								
Pentachlorophenol	ND	100								
Pyridine	ND	5.0								
2,4,5-Trichlorophenol	ND	400								
2,4,6-Trichlorophenol	ND	2.0								
Cresols, Total	ND	200								
Surr: 2-Fluorophenol	0.12		0.2000		58.4	19	121			
Surr: Phenol-d5	0.087		0.2000		43.5	31.8	117			
Surr: 2,4,6-Tribromophenol	0.17		0.2000		84.1	31.3	139			
Surr: Nitrobenzene-d5	0.084		0.1000		84.3	48.2	128			
Surr: 2-Fluorobiphenyl	0.083		0.1000		82.8	58.4	114			
Surr: 4-Terphenyl-d14	0.067		0.1000		67.3	17.4	141			

Sample ID mb-25008	SampType: MBLK	TestCode: EPA Method 8270C TCLP
Client ID: PBS	Batch ID: 25008	RunNo: 33838
Prep Date: 4/27/2016	Analysis Date: 4/27/2016	SeqNo: 1042551 Units: %Rec

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 2-Fluorophenol	0.16		0.2000		80.7	19	121			
Surr: Phenol-d5	0.17		0.2000		82.7	31.8	117			
Surr: 2,4,6-Tribromophenol	0.17		0.2000		85.1	31.3	139			
Surr: Nitrobenzene-d5	0.081		0.1000		81.5	48.2	128			
Surr: 2-Fluorobiphenyl	0.088		0.1000		87.6	58.4	114			
Surr: 4-Terphenyl-d14	0.064		0.1000		64.0	17.4	141			

Sample ID lcs-25008	SampType: LCS	TestCode: EPA Method 8270C TCLP
Client ID: LCSS	Batch ID: 25008	RunNo: 33838
Prep Date: 4/27/2016	Analysis Date: 4/27/2016	SeqNo: 1042552 Units: %Rec

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 2-Fluorophenol	0.096		0.2000		47.9	19	121			
Surr: Phenol-d5	0.078		0.2000		39.1	31.8	117			
Surr: 2,4,6-Tribromophenol	0.16		0.2000		81.9	31.3	139			

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#: **1604674**

09-May-16

Client: Enterprise Field Services

Project: Chaco Plant

Sample ID **vsb deli**	SampType: **MBLK**	TestCode: **TCLP Volatiles by 8260B**
Client ID: **PBW**	Batch ID: **B33807**	RunNo: **33807**
Prep Date:	Analysis Date: **4/26/2016**	SeqNo: **1041359** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.50								
1,2-Dichloroethane (EDC)	ND	0.50								
2-Butanone	ND	10								
Carbon Tetrachloride	ND	0.50								
Chloroform	ND	6.0								
1,4-Dichlorobenzene	ND	7.5								
1,1-Dichloroethene	ND	0.70								
Hexachlorobutadiene	ND	0.50								
Tetrachloroethene (PCE)	ND	0.70								
Trichloroethene (TCE)	ND	0.50								
Vinyl chloride	ND	0.20								
Chlorobenzene	ND	100								
Surr: 1,2-Dichloroethane-d4	0.0099		0.01000		98.9	70	130			
Surr: 4-Bromofluorobenzene	0.011		0.01000		107	70	130			
Surr: Dibromofluoromethane	0.011		0.01000		106	70	130			
Surr: Toluene-d8	0.0098		0.01000		98.4	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **TCLP Volatiles by 8260B**
Client ID: **LCSW**	Batch ID: **B33807**	RunNo: **33807**
Prep Date:	Analysis Date: **4/26/2016**	SeqNo: **1041360** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.022	0.0010	0.02000	0	112	70	130			
1,1-Dichloroethene	0.021	0.0010	0.02000	0	106	70	130			
Trichloroethene (TCE)	0.021	0.0010	0.02000	0	103	70	130			
Chlorobenzene	0.019	0.0010	0.02000	0	96.6	70	130			
Surr: 1,2-Dichloroethane-d4	0.010		0.01000		101	70	130			
Surr: 4-Bromofluorobenzene	0.010		0.01000		105	70	130			
Surr: Dibromofluoromethane	0.011		0.01000		107	70	130			
Surr: Toluene-d8	0.0095		0.01000		94.9	70	130			

Qualifiers:

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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#: **1604674**

09-May-16

Client: Enterprise Field Services

Project: Chaco Plant

Sample ID **mb-24836**	SampType: **MBLK**	TestCode: **EPA Method 8260B: TCLP Compounds**
Client ID: **PBS**	Batch ID: **24836**	RunNo: **33608**
Prep Date: **4/15/2016**	Analysis Date: **4/18/2016**	SeqNo: **1034248** Units: **ppm**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
1,2-Dichloroethane (EDC)	ND	0.050								
2-Butanone	ND	20								
Carbon tetrachloride	ND	0.050								
Chlorobenzene	ND	10								
Chloroform	ND	0.60								
1,4-Dichlorobenzene	ND	0.75								
1,1-Dichloroethene	ND	0.070								
Tetrachloroethene (PCE)	ND	0.070								
Trichloroethene (TCE)	ND	0.050								
Vinyl chloride	ND	0.020								
Surr: 1,2-Dichloroethane-d4	0.51		0.5000		101	70	130			
Surr: 4-Bromofluorobenzene	0.52		0.5000		105	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		104	70	130			
Surr: Toluene-d8	0.51		0.5000		101	70	130			

Sample ID **lcs-24836**	SampType: **LCS**	TestCode: **EPA Method 8260B: TCLP Compounds**
Client ID: **LCSS**	Batch ID: **24836**	RunNo: **33608**
Prep Date: **4/15/2016**	Analysis Date: **4/18/2016**	SeqNo: **1034249** Units: **ppm**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	1.000	0	108	70	130			
Chlorobenzene	1.0	0.050	1.000	0	102	70	130			
1,1-Dichloroethene	1.1	0.050	1.000	0	107	70	130			
Trichloroethene (TCE)	1.0	0.050	1.000	0	104	70	130			
Surr: 1,2-Dichloroethane-d4	0.52		0.5000		103	70	130			
Surr: 4-Bromofluorobenzene	0.53		0.5000		106	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		108	70	130			
Surr: Toluene-d8	0.52		0.5000		105	70	130			

Qualifiers:

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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 Report
Lab Order **1604674**
Date Reported: **5/9/2016**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enterprise Field Services
Project: Chaco Plant
Lab ID: 1604674-002 **Matrix:** AQUEOUS

Client Sample ID: Non Exempt Tank
Collection Date: 4/14/2016 10:45:00 AM
Received Date: 4/15/2016 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
TCLP VOLATILES BY 8260B						Analyst: **DJF**	
Tetrachloroethene (PCE)	ND	0.70		mg/L	1	4/26/2016 9:15:00 PM	B33807
Trichloroethene (TCE)	ND	0.50		mg/L	1	4/26/2016 9:15:00 PM	B33807
Vinyl chloride	ND	0.20		mg/L	1	4/26/2016 9:15:00 PM	B33807
Chlorobenzene	ND	100		mg/L	1	4/26/2016 9:15:00 PM	B33807
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	4/26/2016 9:15:00 PM	B33807
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	4/26/2016 9:15:00 PM	B33807
Surr: Dibromofluoromethane	104	70-130		%Rec	1	4/26/2016 9:15:00 PM	B33807
Surr: Toluene-d8	94.2	70-130		%Rec	1	4/26/2016 9:15:00 PM	B33807

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

Qualifiers:

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Analytical Report
Lab Order **1604674**
Date Reported: **5/9/2016**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enterprise Field Services
Project: Chaco Plant
Lab ID: 1604674-002 **Matrix:** AQUEOUS

Client Sample ID: Non Exempt Tank
Collection Date: 4/14/2016 10:45:00 AM
Received Date: 4/15/2016 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8270C TCLP						Analyst: **DAM**	
2-Methylphenol	ND	200		mg/L	1	4/22/2016 6:54:25 PM	24921
3+4-Methylphenol	ND	200		mg/L	1	4/22/2016 6:54:25 PM	24921
Phenol	ND	200		mg/L	1	4/22/2016 6:54:25 PM	24921
2,4-Dinitrotoluene	ND	0.13		mg/L	1	4/22/2016 6:54:25 PM	24921
Hexachlorobenzene	ND	0.13		mg/L	1	4/22/2016 6:54:25 PM	24921
Hexachlorobutadiene	ND	0.50		mg/L	1	4/22/2016 6:54:25 PM	24921
Hexachloroethane	ND	3.0		mg/L	1	4/22/2016 6:54:25 PM	24921
Nitrobenzene	ND	2.0		mg/L	1	4/22/2016 6:54:25 PM	24921
Pentachlorophenol	ND	100		mg/L	1	4/22/2016 6:54:25 PM	24921
Pyridine	ND	5.0		mg/L	1	4/22/2016 6:54:25 PM	24921
2,4,5-Trichlorophenol	ND	400		mg/L	1	4/22/2016 6:54:25 PM	24921
2,4,6-Trichlorophenol	ND	2.0		mg/L	1	4/22/2016 6:54:25 PM	24921
Cresols, Total	ND	200		mg/L	1	4/22/2016 6:54:25 PM	24921
Surr: 2-Fluorophenol	44.8	15-124		%Rec	1	4/22/2016 6:54:25 PM	24921
Surr: Phenol-d5	33.4	15-118		%Rec	1	4/22/2016 6:54:25 PM	24921
Surr: 2,4,6-Tribromophenol	74.4	15-148		%Rec	1	4/22/2016 6:54:25 PM	24921
Surr: Nitrobenzene-d5	64.0	40.6-124		%Rec	1	4/22/2016 6:54:25 PM	24921
Surr: 2-Fluorobiphenyl	67.4	35.7-128		%Rec	1	4/22/2016 6:54:25 PM	24921
Surr: 4-Terphenyl-d14	56.2	18.8-115		%Rec	1	4/22/2016 6:54:25 PM	24921
EPA METHOD 7470: MERCURY						Analyst: **pmf**	
Mercury	0.0033	0.00020		mg/L	1	4/29/2016 11:25:07 AM	25066
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **MED**	
Arsenic	ND	5.0		mg/L	1	4/29/2016 11:45:10 AM	24977
Barium	ND	100		mg/L	1	5/5/2016 8:45:25 AM	24977
Cadmium	ND	1.0		mg/L	1	5/5/2016 8:45:25 AM	24977
Chromium	ND	5.0		mg/L	1	5/5/2016 8:45:25 AM	24977
Lead	ND	5.0		mg/L	1	4/29/2016 11:45:10 AM	24977
Selenium	ND	1.0		mg/L	1	5/5/2016 8:45:25 AM	24977
Silver	ND	5.0		mg/L	1	5/5/2016 8:45:25 AM	24977
TCLP VOLATILES BY 8260B						Analyst: **DJF**	
Benzene	ND	0.50		mg/L	1	4/26/2016 9:15:00 PM	B33807
1,2-Dichloroethane (EDC)	ND	0.50		mg/L	1	4/26/2016 9:15:00 PM	B33807
2-Butanone	ND	10		mg/L	1	4/26/2016 9:15:00 PM	B33807
Carbon Tetrachloride	ND	0.50		mg/L	1	4/26/2016 9:15:00 PM	B33807
Chloroform	ND	6.0		mg/L	1	4/26/2016 9:15:00 PM	B33807
1,4-Dichlorobenzene	ND	7.5		mg/L	1	4/26/2016 9:15:00 PM	B33807
1,1-Dichloroethene	ND	0.70		mg/L	1	4/26/2016 9:15:00 PM	B33807
Hexachlorobutadiene	ND	0.50		mg/L	1	4/26/2016 9:15:00 PM	B33807

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Analytical Report
Lab Order **1604674**
Date Reported: **5/9/2016**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Enterprise Field Services
Project: Chaco Plant
Lab ID: 1604674-001 **Matrix:** SOLID

Client Sample ID: Air Dy Dessicant
Collection Date: 4/14/2016 10:08:00 AM
Received Date: 4/15/2016 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: TCLP COMPOUNDS						Analyst: **DJF**	
Tetrachloroethene (PCE)	ND	0.70		ppm	10	4/18/2016 1:23:16 PM	24836
Trichloroethene (TCE)	ND	0.50		ppm	10	4/18/2016 1:23:16 PM	24836
Vinyl chloride	ND	0.20		ppm	10	4/18/2016 1:23:16 PM	24836
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	10	4/18/2016 1:23:16 PM	24836
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	10	4/18/2016 1:23:16 PM	24836
Surr: Dibromofluoromethane	103	70-130		%Rec	10	4/18/2016 1:23:16 PM	24836
Surr: Toluene-d8	99.8	70-130		%Rec	10	4/18/2016 1:23:16 PM	24836

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
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District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

COMMENTS

Action 284133

COMMENTS

Operator: AGUA MOSS, LLC P.O. Box 600 Farmington, NM 87499	OGRID: 247130
	Action Number: 284133
	Action Type: [UF-DP] Discharge Permit (DISCHARGE PERMIT)

COMMENTS

Created By	Comment	Comment Date
cchavez	Quarterly Waste Analyses Information for 2016	11/8/2023

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 284133

CONDITIONS

Operator: AGUA MOSS, LLC P.O. Box 600 Farmington, NM 87499	OGRID: 247130
	Action Number: 284133
	Action Type: [UF-DP] Discharge Permit (DISCHARGE PERMIT)

CONDITIONS

Created By	Condition	Condition Date
cchavez	Condition of Approval: 1. Follow Discharge Permit Quarterly Report Guidelines, Content, and deadline dates for submittal of future reports.	11/8/2023