UICI - 5

WASTE ANALYSES INFO

2018

11-17-17

EXP 17 NOV 18

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) 471 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: Adriana Hudson TITLE: Operator DATE: 11/7/17
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

November 16, 2017

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

RE: Kutz CS OrderNo.: 1710E55

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/27/2017 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1710E55**
Date Reported: **11/16/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Client Sample ID: Kutz BGT
Project: Kutz CS
Collection Date: 10/26/2017 2:30:00 PM
Lab ID: 1710E55-001 **Matrix:** AQUEOUS **Received Date:** 10/27/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 7470: MERCURY						Analyst: **JLF**	
Mercury	ND	0.00020		mg/L	1	11/9/2017 5:00:36 PM	34923
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **ELS**	
Arsenic	ND	5.0		mg/L	1	11/6/2017 8:57:26 AM	34816
Barium	ND	100		mg/L	1	11/6/2017 8:57:26 AM	34816
Cadmium	ND	1.0		mg/L	1	11/6/2017 8:57:26 AM	34816
Chromium	ND	5.0		mg/L	1	11/6/2017 8:57:26 AM	34816
Lead	ND	5.0		mg/L	1	11/6/2017 8:57:26 AM	34816
Selenium	ND	1.0		mg/L	1	11/6/2017 8:57:26 AM	34816
Silver	ND	5.0		mg/L	1	11/6/2017 8:57:26 AM	34816
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	25	D	µg/L	10	11/14/2017 12:04:21 PM	34769
1-Methylnaphthalene	ND	25	D	µg/L	10	11/14/2017 12:04:21 PM	34769
2-Methylnaphthalene	ND	25	D	µg/L	10	11/14/2017 12:04:21 PM	34769
Acenaphthylene	ND	25	D	µg/L	10	11/14/2017 12:04:21 PM	34769
Acenaphthene	ND	25	D	µg/L	10	11/14/2017 12:04:21 PM	34769
Fluorene	ND	25	D	µg/L	10	11/14/2017 12:04:21 PM	34769
Phenanthrene	ND	50	D	µg/L	10	11/14/2017 12:04:21 PM	34769
Anthracene	ND	25	D	µg/L	10	11/14/2017 12:04:21 PM	34769
Fluoranthene	ND	25	D	µg/L	10	11/14/2017 12:04:21 PM	34769
Pyrene	ND	25	D	µg/L	10	11/14/2017 12:04:21 PM	34769
Benz(a)anthracene	ND	25	D	µg/L	10	11/14/2017 12:04:21 PM	34769
Chrysene	ND	25	D	µg/L	10	11/14/2017 12:04:21 PM	34769
Benzo(b)fluoranthene	ND	25	D	µg/L	10	11/14/2017 12:04:21 PM	34769
Benzo(k)fluoranthene	ND	25	D	µg/L	10	11/14/2017 12:04:21 PM	34769
Benzo(a)pyrene	ND	25	D	µg/L	10	11/14/2017 12:04:21 PM	34769
Dibenz(a,h)anthracene	ND	25	D	µg/L	10	11/14/2017 12:04:21 PM	34769
Benzo(g,h,i)perylene	ND	25	D	µg/L	10	11/14/2017 12:04:21 PM	34769
Indeno(1,2,3-cd)pyrene	ND	25	D	µg/L	10	11/14/2017 12:04:21 PM	34769
Surr: N-hexadecane	0	34.2-111	SD	%Rec	10	11/14/2017 12:04:21 PM	34769
Surr: Benzo(e)pyrene	0	39.3-124	SD	%Rec	10	11/14/2017 12:04:21 PM	34769
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	240	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
Toluene	470	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
Ethylbenzene	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
Methyl tert-butyl ether (MTBE)	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
1,2,4-Trimethylbenzene	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
1,3,5-Trimethylbenzene	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
1,2-Dichloroethane (EDC)	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753

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
PQL	Practical Quanitative Limit	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 **1710E55**
Date Reported: **11/16/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Project: Kutz CS
Lab ID: 1710E55-001
Matrix: AQUEOUS
Client Sample ID: Kutz BGT
Collection Date: 10/26/2017 2:30:00 PM
Received Date: 10/27/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,2-Dibromoethane (EDB)	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
Naphthalene	ND	100		µg/L	50	10/31/2017 6:20:00 AM	A46753
1-Methylnaphthalene	ND	200		µg/L	50	10/31/2017 6:20:00 AM	A46753
2-Methylnaphthalene	ND	200		µg/L	50	10/31/2017 6:20:00 AM	A46753
Acetone	ND	500		µg/L	50	10/31/2017 6:20:00 AM	A46753
Bromobenzene	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
Bromodichloromethane	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
Bromoform	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
Bromomethane	ND	150		µg/L	50	10/31/2017 6:20:00 AM	A46753
2-Butanone	ND	500		µg/L	50	10/31/2017 6:20:00 AM	A46753
Carbon disulfide	ND	500		µg/L	50	10/31/2017 6:20:00 AM	A46753
Carbon Tetrachloride	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
Chlorobenzene	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
Chloroethane	ND	100		µg/L	50	10/31/2017 6:20:00 AM	A46753
Chloroform	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
Chloromethane	ND	150		µg/L	50	10/31/2017 6:20:00 AM	A46753
2-Chlorotoluene	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
4-Chlorotoluene	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
cis-1,2-DCE	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
cis-1,3-Dichloropropene	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
1,2-Dibromo-3-chloropropane	ND	100		µg/L	50	10/31/2017 6:20:00 AM	A46753
Dibromochloromethane	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
Dibromomethane	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
1,2-Dichlorobenzene	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
1,3-Dichlorobenzene	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
1,4-Dichlorobenzene	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
Dichlorodifluoromethane	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
1,1-Dichloroethane	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
1,1-Dichloroethene	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
1,2-Dichloropropane	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
1,3-Dichloropropane	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
2,2-Dichloropropane	ND	100		µg/L	50	10/31/2017 6:20:00 AM	A46753
1,1-Dichloropropene	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
Hexachlorobutadiene	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
2-Hexanone	ND	500		µg/L	50	10/31/2017 6:20:00 AM	A46753
Isopropylbenzene	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
4-Isopropyltoluene	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
4-Methyl-2-pentanone	ND	500		µg/L	50	10/31/2017 6:20:00 AM	A46753
Methylene Chloride	ND	150		µg/L	50	10/31/2017 6:20:00 AM	A46753

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
PQL	Practical Quanitative Limit	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 **1710E55**
Date Reported: **11/16/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Project: Kutz CS
Lab ID: 1710E55-001 **Matrix:** AQUEOUS

Client Sample ID: Kutz BGT
Collection Date: 10/26/2017 2:30:00 PM
Received Date: 10/27/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
n-Butylbenzene	ND	150		µg/L	50	10/31/2017 6:20:00 AM	A46753
n-Propylbenzene	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
sec-Butylbenzene	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
Styrene	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
tert-Butylbenzene	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
1,1,1,2-Tetrachloroethane	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
1,1,2,2-Tetrachloroethane	ND	100		µg/L	50	10/31/2017 6:20:00 AM	A46753
Tetrachloroethene (PCE)	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
trans-1,2-DCE	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
trans-1,3-Dichloropropene	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
1,2,3-Trichlorobenzene	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
1,2,4-Trichlorobenzene	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
1,1,1-Trichloroethane	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
1,1,2-Trichloroethane	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
Trichloroethene (TCE)	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
Trichlorofluoromethane	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
1,2,3-Trichloropropane	ND	100		µg/L	50	10/31/2017 6:20:00 AM	A46753
Vinyl chloride	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A46753
Xylenes, Total	210	75		µg/L	50	10/31/2017 6:20:00 AM	A46753
Surr: 1,2-Dichloroethane-d4	98.3	70-130		%Rec	50	10/31/2017 6:20:00 AM	A46753
Surr: 4-Bromofluorobenzene	99.2	70-130		%Rec	50	10/31/2017 6:20:00 AM	A46753
Surr: Dibromofluoromethane	103	70-130		%Rec	50	10/31/2017 6:20:00 AM	A46753
Surr: Toluene-d8	97.4	70-130		%Rec	50	10/31/2017 6:20:00 AM	A46753

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
PQL	Practical Quanitative Limit	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#: **1710E55**
16-Nov-17

Client: Souder, Miller and Associates
Project: Kutz CS

Sample ID **100ng lcs2**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**							
Client ID: **LCSW**	Batch ID: **A46753**	RunNo: **46753**							
Prep Date:	Analysis Date: **10/31/2017**	SeqNo: **1489928**	Units: **µg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	100	70	130			
Toluene	19	1.0	20.00	0	94.5	70	130			
Chlorobenzene	19	1.0	20.00	0	96.0	70	130			
1,1-Dichloroethene	22	1.0	20.00	0	109	70	130			
Trichloroethene (TCE)	20	1.0	20.00	0	98.0	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		102	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		98.8	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	9.8		10.00		97.5	70	130			

Sample ID **rb2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**							
Client ID: **PBW**	Batch ID: **A46753**	RunNo: **46753**							
Prep Date:	Analysis Date: **10/31/2017**	SeqNo: **1489929**	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
PQL	Practical Quanitative Limit	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#: 1710E55
16-Nov-17

Client: Souder, Miller and Associates
Project: Kutz CS

Sample ID rb2	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES							
Client ID: PBW	Batch ID: A46753	RunNo: 46753							
Prep Date:	Analysis Date: 10/31/2017	SeqNo: 1489929	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
PQL	Practical Quanitative Limit	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#: **1710E55**

16-Nov-17

Client: Souder, Miller and Associates

Project: Kutz CS

Sample ID **rb2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **A46753**	RunNo: **46753**
Prep Date:	Analysis Date: **10/31/2017**	SeqNo: **1489929** 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	9.9		10.00		99.4	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		97.5	70	130			
Surr: Dibromofluoromethane	10		10.00		103	70	130			
Surr: Toluene-d8	9.9		10.00		99.3	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
PQL	Practical Quanitative Limit	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#: 1710E55

16-Nov-17

Client: Souder, Miller and Associates

Project: Kutz CS

Sample ID	lcs-34769	SampType:	LCS		TestCode:	EPA Method 8270C: PAHs				
Client ID:	LCSW	Batch ID:	34769		RunNo:	47113				
Prep Date:	11/2/2017	Analysis Date:	11/14/2017		SeqNo:	1503152	Units:	µg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	16	0.50	20.00	0	79.9	28.6	113			
1-Methylnaphthalene	14	0.50	20.00	0	67.9	27	113			
2-Methylnaphthalene	15	0.50	20.00	0	73.2	26.3	112			
Acenaphthylene	17	0.50	20.00	0	83.3	36.2	114			
Acenaphthene	18	0.50	20.00	0	88.7	35.6	116			
Fluorene	18	0.50	20.00	0	89.0	38.4	116			
Phenanthrene	18	1.0	20.00	0	88.8	42.3	118			
Anthracene	17	0.50	20.00	0	86.9	42.2	117			
Fluoranthene	18	0.50	20.00	0	90.1	42.5	118			
Pyrene	17	0.50	20.00	0	84.2	40.8	121			
Benz(a)anthracene	20	0.50	20.00	0	97.7	43	118			
Chrysene	17	0.50	20.00	0	86.9	39.4	119			
Benzo(b)fluoranthene	19	0.50	20.00	0	93.3	47.8	115			
Benzo(k)fluoranthene	19	0.50	20.00	0	95.6	40.5	120			
Benzo(a)pyrene	18	0.50	20.00	0	92.5	41.5	115			
Dibenz(a,h)anthracene	18	0.50	20.00	0	89.5	48.6	115			
Benzo(g,h,i)perylene	18	0.50	20.00	0	90.8	42	119			
Indeno(1,2,3-cd)pyrene	18	0.50	20.00	0	87.7	42.9	118			
Surr: N-hexadecane	71		87.60		81.3	34.2	111			
Surr: Benzo(e)pyrene	17		20.00		85.1	39.3	124			

Sample ID	lcsd-34769	SampType:	LCSD		TestCode:	EPA Method 8270C: PAHs				
Client ID:	LCSS02	Batch ID:	34769		RunNo:	47113				
Prep Date:	11/2/2017	Analysis Date:	11/14/2017		SeqNo:	1503153	Units:	µg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	17	0.50	20.00	0	82.7	28.6	113	3.44	40.7	
1-Methylnaphthalene	17	0.50	20.00	0	82.8	27	113	19.8	38.4	
2-Methylnaphthalene	15	0.50	20.00	0	75.0	26.3	112	2.43	25.5	
Acenaphthylene	16	0.50	20.00	0	82.0	36.2	114	1.57	34.1	
Acenaphthene	17	0.50	20.00	0	84.5	35.6	116	4.85	32.1	
Fluorene	17	0.50	20.00	0	84.7	38.4	116	4.95	28	
Phenanthrene	17	1.0	20.00	0	83.3	42.3	118	6.39	37.4	
Anthracene	16	0.50	20.00	0	80.7	42.2	117	7.40	36.2	
Fluoranthene	17	0.50	20.00	0	85.8	42.5	118	4.89	26.6	
Pyrene	17	0.50	20.00	0	84.9	40.8	121	0.828	26.8	
Benz(a)anthracene	17	0.50	20.00	0	86.9	43	118	11.7	25.1	
Chrysene	16	0.50	20.00	0	81.1	39.4	119	6.90	23.3	
Benzo(b)fluoranthene	17	0.50	20.00	0	85.6	47.8	115	8.61	22.5	

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
PQL	Practical Quanitative Limit	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#: 1710E55

16-Nov-17

Client: Souder, Miller and Associates

Project: Kutz CS

Sample ID	lcsd-34769	SampType:	LCSD		TestCode:	EPA Method 8270C: PAHs				
Client ID:	LCSS02	Batch ID:	34769		RunNo:	47113				
Prep Date:	11/2/2017	Analysis Date:	11/14/2017		SeqNo:	1503153	Units:	µg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	17	0.50	20.00	0	85.5	40.5	120	11.2	30.9	
Benzo(a)pyrene	17	0.50	20.00	0	84.4	41.5	115	9.16	23.2	
Dibenz(a,h)anthracene	18	0.50	20.00	0	88.6	48.6	115	1.01	26.5	
Benzo(g,h,i)perylene	17	0.50	20.00	0	87.0	42	119	4.27	30.7	
Indeno(1,2,3-cd)pyrene	18	0.50	20.00	0	89.6	42.9	118	2.14	25.4	
Surr: N-hexadecane	74		87.60		84.8	34.2	111	0	0	
Surr: Benzo(e)pyrene	17		20.00		83.1	39.3	124	0	0	

Sample ID	mb-34769	SampType:	MBLK		TestCode:	EPA Method 8270C: PAHs				
Client ID:	PBW	Batch ID:	34769		RunNo:	47113				
Prep Date:	11/2/2017	Analysis Date:	11/14/2017		SeqNo:	1503154	Units:	µg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	ND	0.50								
1-Methylnaphthalene	ND	0.50								
2-Methylnaphthalene	ND	0.50								
Acenaphthylene	ND	0.50								
Acenaphthene	ND	0.50								
Fluorene	ND	0.50								
Phenanthrene	ND	1.0								
Anthracene	ND	0.50								
Fluoranthene	ND	0.50								
Pyrene	ND	0.50								
Benz(a)anthracene	ND	0.50								
Chrysene	ND	0.50								
Benzo(b)fluoranthene	ND	0.50								
Benzo(k)fluoranthene	ND	0.50								
Benzo(a)pyrene	ND	0.50								
Dibenz(a,h)anthracene	ND	0.50								
Benzo(g,h,i)perylene	ND	0.50								
Indeno(1,2,3-cd)pyrene	ND	0.50								
Surr: N-hexadecane	60		87.60		68.2	34.2	111			
Surr: Benzo(e)pyrene	15		20.00		73.6	39.3	124			

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
PQL	Practical Quanitative Limit	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#: 1710E55
16-Nov-17

Client: Souder, Miller and Associates
Project: Kutz CS

Sample ID	MB-34923	SampType:	MBLK		TestCode:	EPA Method 7470: Mercury				
Client ID:	PBW	Batch ID:	34923		RunNo:	47017				
Prep Date:	11/9/2017	Analysis Date:	11/9/2017		SeqNo:	1500290	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.00020								

Sample ID	LCS-34923	SampType:	LCS		TestCode:	EPA Method 7470: Mercury				
Client ID:	LCSW	Batch ID:	34923		RunNo:	47017				
Prep Date:	11/9/2017	Analysis Date:	11/9/2017		SeqNo:	1500291	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	1710E55-001CMS	SampType:	MS		TestCode:	EPA Method 7470: Mercury				
Client ID:	Kutz BGT	Batch ID:	34923		RunNo:	47017				
Prep Date:	11/9/2017	Analysis Date:	11/9/2017		SeqNo:	1500293	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0040	0.00020	0.005000	0.0001159	78.3	75	125			

Sample ID	1710E55-001CMSD	SampType:	MSD		TestCode:	EPA Method 7470: Mercury				
Client ID:	Kutz BGT	Batch ID:	34923		RunNo:	47017				
Prep Date:	11/9/2017	Analysis Date:	11/9/2017		SeqNo:	1500294	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0040	0.00020	0.005000	0.0001159	78.5	75	125	0.227	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
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit

W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1710E55
16-Nov-17

Client: Souder, Miller and Associates
Project: Kutz CS

Sample ID	MB-34816	SampType:	MBLK	TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	PBW	Batch ID:	34816	RunNo:	46888				
Prep Date:	11/4/2017	Analysis Date:	11/6/2017	SeqNo:	1495802	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	LLLCS-34816	SampType:	LCSLL	TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	BatchQC	Batch ID:	34816	RunNo:	46888				
Prep Date:	11/4/2017	Analysis Date:	11/6/2017	SeqNo:	1495803	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.027	0.020	0.02000	0	133	50	150			
Barium	ND	0.020	0.002000	0	121	50	150			
Cadmium	0.0021	0.0020	0.002000	0	106	50	150			
Chromium	0.0067	0.0060	0.006000	0	112	50	150			
Lead	ND	0.0050	0.005000	0	57.2	50	150			
Selenium	0.057	0.050	0.05000	0	113	50	150			
Silver	ND	0.0050	0.005000	0	99.4	50	150			

Sample ID	LCS-34816	SampType:	LCS	TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	LCSW	Batch ID:	34816	RunNo:	46888				
Prep Date:	11/4/2017	Analysis Date:	11/6/2017	SeqNo:	1495804	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.52	0.020	0.5000	0	105	80	120			
Barium	0.49	0.020	0.5000	0	98.4	80	120			
Cadmium	0.49	0.0020	0.5000	0	98.9	80	120			
Chromium	0.49	0.0060	0.5000	0	98.9	80	120			
Lead	0.50	0.0050	0.5000	0	99.2	80	120			
Selenium	0.52	0.050	0.5000	0	104	80	120			
Silver	0.10	0.0050	0.1000	0	102	80	120			

Sample ID	1710E55-001CMS	SampType:	MS	TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	Kutz BGT	Batch ID:	34816	RunNo:	46888				
Prep Date:	11/4/2017	Analysis Date:	11/6/2017	SeqNo:	1495834	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.57	0.020	0.5000	0.02075	109	75	125			

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
PQL	Practical Quanitative Limit	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#: 1710E55

16-Nov-17

Client: Souder, Miller and Associates

Project: Kutz CS

Sample ID	1710E55-001CMS	SampType:	MS	TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	Kutz BGT	Batch ID:	34816	RunNo:	46888				
Prep Date:	11/4/2017	Analysis Date:	11/6/2017	SeqNo:	1495834	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	0.51	0.020	0.5000	0.01230	101	75	125			
Cadmium	0.50	0.0020	0.5000	0.002240	99.6	75	125			
Chromium	0.52	0.0060	0.5000	0.009240	101	75	125			
Lead	0.51	0.0050	0.5000	0	102	75	125			
Selenium	0.60	0.050	0.5000	0.02856	114	75	125			
Silver	0.10	0.0050	0.1000	0	102	75	125			

Sample ID	1710E55-001CMSD	SampType:	MSD	TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	Kutz BGT	Batch ID:	34816	RunNo:	46888				
Prep Date:	11/4/2017	Analysis Date:	11/6/2017	SeqNo:	1495835	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.58	0.020	0.5000	0.02075	111	75	125	1.35	20	
Barium	0.52	0.020	0.5000	0.01230	101	75	125	0.182	20	
Cadmium	0.51	0.0020	0.5000	0.002240	101	75	125	0.997	20	
Chromium	0.52	0.0060	0.5000	0.009240	102	75	125	0.597	20	
Lead	0.51	0.0050	0.5000	0	102	75	125	0.769	20	
Selenium	0.61	0.050	0.5000	0.02856	117	75	125	2.79	20	
Silver	0.10	0.0050	0.1000	0	101	75	125	0.345	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
PQL	Practical Quanitative Limit	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

Sample Log-In Check List

Client Name: SMA-FARM Work Order Number: 1710E55 RcptNo: 1

Received By: Sophia Campuzano 10/27/2017 8:00:00 AM
Completed By: Erin Melendrez 10/27/2017 9:22:48 AM
Reviewed By: 10/27/17

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: 1 (<2 or >12 unless noted)
Adjusted? no
Checked by: DDS

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	3.1	Good	Yes			

Chain-of-Custody Record

Client: Souder Miller & Assoc.

Mailing Address: 401 W. Broadway Farmington NM 87401

Phone #: 505 325-7535

email or Fax#: Ashley Maxwell @ souldermiller.com

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

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush _____

Project Name: Kutz CS

Project #:

Project Manager: Ashley MAXWELL

Sampler: Ramsey WATSON

On Ice: ☑ Yes ☐ No

Sample Temperature: 2.9+0.2(CF)=3.1

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. 1710E55	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 8270SIMS)	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)
10/26/17	14:30	H2O	Kutz BGT	Various	Various	-001						X	X			X		

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Date	Time
10/26/17	1643	Ramsey Watson	[signature]	10/26/17	1643
10/26/17	1946	[signature]	[signature]	10/27/17	0800

Remarks:
8260 Full List Report TCLP Compounds At TCLP Limits
Invoice 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.

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

3002 to 5/17/19

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:
MAPL Huerfano Pumping Station

3. Location of Material (Street Address, City, State or ULSTR):
UL L Section 21 Township 26 North Range 10 West; 36.471831, -107.908114

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) _____ 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 Gandy Corporation, Inc. to complete
Generator Signature
the required testing/sign the Generator Waste Testing Certification.

I, _____, representative for _____Gandy Corporation, Inc._____ 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: To Be Determined

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: * Gandy Marley, Inc. 7210 E. Second Street Roswell, NM 88202; Permit # NM-711-1-0020
Address of Facility: Sec 4,5,8,9 T11S, R 31E
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: _____ TITLE: _____ DATE: _____
SIGNATURE: _____ TELEPHONE NO.: _____

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 17, 2018

Ashley Maxwell
Souder, Miller and Associates
401 W. Broadway
Farmington, NM 87401
TEL: (505) 325-7535
FAX

RE: Huerfano OrderNo.: 1805469

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 1 sample(s) on 5/9/2018 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1805469**
Date Reported: **5/17/2018**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Client Sample ID: Huerfano
Project: Huerfano
Collection Date: 5/8/2018 3:21:00 PM
Lab ID: 1805469-001 **Matrix:** AQUEOUS **Received Date:** 5/9/2018 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 7470: MERCURY						Analyst: **rde**	
Mercury	ND	0.20		mg/L	1	5/11/2018 9:38:36 AM	38054
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **JLF**	
Arsenic	ND	5.0		mg/L	1	5/11/2018 5:50:00 PM	38044
Barium	ND	100		mg/L	1	5/11/2018 5:50:00 PM	38044
Cadmium	ND	1.0		mg/L	1	5/11/2018 5:50:00 PM	38044
Chromium	ND	5.0		mg/L	1	5/11/2018 5:50:00 PM	38044
Lead	ND	5.0		mg/L	1	5/11/2018 5:50:00 PM	38044
Selenium	ND	1.0		mg/L	1	5/11/2018 5:50:00 PM	38044
Silver	ND	5.0		mg/L	1	5/11/2018 8:27:39 PM	38044
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	50	D	µg/L	1	5/16/2018 11:53:55 AM	38085
1-Methylnaphthalene	ND	50	D	µg/L	1	5/16/2018 11:53:55 AM	38085
2-Methylnaphthalene	ND	50	D	µg/L	1	5/16/2018 11:53:55 AM	38085
Acenaphthylene	ND	50	D	µg/L	1	5/16/2018 11:53:55 AM	38085
Acenaphthene	ND	50	D	µg/L	1	5/16/2018 11:53:55 AM	38085
Fluorene	ND	50	D	µg/L	1	5/16/2018 11:53:55 AM	38085
Phenanthrene	ND	50	D	µg/L	1	5/16/2018 11:53:55 AM	38085
Anthracene	ND	50	D	µg/L	1	5/16/2018 11:53:55 AM	38085
Fluoranthene	ND	50	D	µg/L	1	5/16/2018 11:53:55 AM	38085
Pyrene	ND	50	D	µg/L	1	5/16/2018 11:53:55 AM	38085
Benz(a)anthracene	ND	50	D	µg/L	1	5/16/2018 11:53:55 AM	38085
Chrysene	ND	50	D	µg/L	1	5/16/2018 11:53:55 AM	38085
Benzo(b)fluoranthene	ND	1000	D	µg/L	20	5/16/2018 1:38:36 PM	38085
Benzo(k)fluoranthene	ND	1000	D	µg/L	20	5/16/2018 1:38:36 PM	38085
Benzo(a)pyrene	ND	1000	D	µg/L	20	5/16/2018 1:38:36 PM	38085
Dibenz(a,h)anthracene	ND	1000	D	µg/L	20	5/16/2018 1:38:36 PM	38085
Benzo(g,h,i)perylene	ND	1000	D	µg/L	20	5/16/2018 1:38:36 PM	38085
Indeno(1,2,3-cd)pyrene	ND	1000	D	µg/L	20	5/16/2018 1:38:36 PM	38085
Surr: N-hexadecane	63.5	18.7-145	D	%Rec	1	5/16/2018 11:53:55 AM	38085
Surr: Benzo(e)pyrene	0	28.2-137	SD	%Rec	20	5/16/2018 1:38:36 PM	38085
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.50		mg/L	200	5/10/2018 1:46:00 AM	B51142
Toluene	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
Ethylbenzene	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
Methyl tert-butyl ether (MTBE)	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
1,2,4-Trimethylbenzene	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
1,3,5-Trimethylbenzene	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
1,2-Dichloroethane (EDC)	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142

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
PQL	Practical Quanitative Limit	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 **1805469**
Date Reported: **5/17/2018**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Project: Huerfano
Lab ID: 1805469-001 **Matrix:** AQUEOUS

Client Sample ID: Huerfano
Collection Date: 5/8/2018 3:21:00 PM
Received Date: 5/9/2018 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,2-Dibromoethane (EDB)	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
Naphthalene	ND	0.40		mg/L	200	5/10/2018 1:46:00 AM	B51142
1-Methylnaphthalene	ND	0.80		mg/L	200	5/10/2018 1:46:00 AM	B51142
2-Methylnaphthalene	ND	0.80		mg/L	200	5/10/2018 1:46:00 AM	B51142
Acetone	ND	2.0		mg/L	200	5/10/2018 1:46:00 AM	B51142
Bromobenzene	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
Bromodichloromethane	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
Bromoform	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
Bromomethane	ND	0.60		mg/L	200	5/10/2018 1:46:00 AM	B51142
2-Butanone	ND	2.0		mg/L	200	5/10/2018 1:46:00 AM	B51142
Carbon disulfide	ND	2.0		mg/L	200	5/10/2018 1:46:00 AM	B51142
Carbon Tetrachloride	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
Chlorobenzene	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
Chloroethane	ND	0.40		mg/L	200	5/10/2018 1:46:00 AM	B51142
Chloroform	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
Chloromethane	ND	0.60		mg/L	200	5/10/2018 1:46:00 AM	B51142
2-Chlorotoluene	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
4-Chlorotoluene	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
cis-1,2-DCE	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
cis-1,3-Dichloropropene	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
1,2-Dibromo-3-chloropropane	ND	0.40		mg/L	200	5/10/2018 1:46:00 AM	B51142
Dibromochloromethane	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
Dibromomethane	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
1,2-Dichlorobenzene	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
1,3-Dichlorobenzene	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
1,4-Dichlorobenzene	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
Dichlorodifluoromethane	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
1,1-Dichloroethane	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
1,1-Dichloroethene	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
1,2-Dichloropropane	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
1,3-Dichloropropane	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
2,2-Dichloropropane	ND	0.40		mg/L	200	5/10/2018 1:46:00 AM	B51142
1,1-Dichloropropene	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
Hexachlorobutadiene	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
2-Hexanone	ND	2.0		mg/L	200	5/10/2018 1:46:00 AM	B51142
Isopropylbenzene	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
4-Isopropyltoluene	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
4-Methyl-2-pentanone	ND	2.0		mg/L	200	5/10/2018 1:46:00 AM	B51142
Methylene Chloride	ND	0.60		mg/L	200	5/10/2018 1:46:00 AM	B51142

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
PQL	Practical Quanitative Limit	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 **1805469**
Date Reported: **5/17/2018**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Client Sample ID: Huerfano
Project: Huerfano
Collection Date: 5/8/2018 3:21:00 PM
Lab ID: 1805469-001 **Matrix:** AQUEOUS **Received Date:** 5/9/2018 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
n-Butylbenzene	ND	0.60		mg/L	200	5/10/2018 1:46:00 AM	B51142
n-Propylbenzene	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
sec-Butylbenzene	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
Styrene	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
tert-Butylbenzene	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
1,1,1,2-Tetrachloroethane	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
1,1,2,2-Tetrachloroethane	ND	0.40		mg/L	200	5/10/2018 1:46:00 AM	B51142
Tetrachloroethene (PCE)	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
trans-1,2-DCE	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
trans-1,3-Dichloropropene	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
1,2,3-Trichlorobenzene	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
1,2,4-Trichlorobenzene	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
1,1,1-Trichloroethane	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
1,1,2-Trichloroethane	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
Trichloroethene (TCE)	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
Trichlorofluoromethane	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
1,2,3-Trichloropropane	ND	0.40		mg/L	200	5/10/2018 1:46:00 AM	B51142
Vinyl chloride	ND	0.20		mg/L	200	5/10/2018 1:46:00 AM	B51142
Xylenes, Total	ND	0.30		mg/L	200	5/10/2018 1:46:00 AM	B51142
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	200	5/10/2018 1:46:00 AM	B51142
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	200	5/10/2018 1:46:00 AM	B51142
Surr: Dibromofluoromethane	107	70-130		%Rec	200	5/10/2018 1:46:00 AM	B51142
Surr: Toluene-d8	114	70-130		%Rec	200	5/10/2018 1:46:00 AM	B51142

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
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Wet Chemistry by Method 4500 CN E-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Reactive Cyanide	ND		0.00500	1	05/11/2018 13:43	WG1109881

Wet Chemistry by Method 4500H+ B-2011

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
Corrosivity by pH	5.79	T8	1	05/11/2018 10:30	WG1109937

Sample Narrative:
L992739-01 WG1109937: 5.79 at 10.5C

Wet Chemistry by Method 9034-9030B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Reactive Sulfide	0.949		0.0500	1	05/10/2018 22:26	WG1109629

Wet Chemistry by Method D93/1010A

Analyte	Result deg F	Qualifier	Dilution	Analysis date / time	Batch
Flashpoint	DNF at 170		1	05/15/2018 12:55	WG1110144

Method Blank (MB)

(MB) R3309046-1 05/11/18 13:14

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Reactive Cyanide	U		0.00180	0.00500

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3309046-2 05/11/18 13:15 • (LCSD) R3309046-3 05/11/18 13:16

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Reactive Cyanide	0.100	0.102	0.0955	102	95.5	85.0-115			6.58	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3308957-1 05/11/18 10:30 • (LCSD) R3308957-2 05/11/18 10:30

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	su	su	su	%	%	%			%	%
Corrosivity by pH	10.0	9.97	9.97	99.7	99.7	99.0-101			0.000	1

Sample Narrative:

LCS: 9.97 at 19.4C

LCSD: 9.97 at 19.5C

Method Blank (MB)

(MB) R3308826-1 05/10/18 22:15

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Reactive Sulfide	U		0.00650	0.0500

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3308826-2 05/10/18 22:15 • (LCSD) R3308826-3 05/10/18 22:16

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Reactive Sulfide	0.500	0.511	0.515	102	103	85.0-115			0.780	20

L991900-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L991900-01 05/10/18 22:21 • (MS) R3308826-5 05/10/18 22:24 • (MSD) R3308826-6 05/10/18 22:24

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Reactive Sulfide	1.00	ND	0.525	0.502	48.7	46.4	1	80.0-120	J6	J6	4.48	20

L991890-02 Original Sample (OS) • Duplicate (DUP)

(OS) L991890-02 05/15/18 12:55 • (DUP) R3309886-3 05/15/18 12:55

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	deg F	deg F		%		%
Flashpoint	DNF at 170	DNF at 170	1	0.000		10

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3309886-1 05/15/18 12:55 • (LCSD) R3309886-2 05/15/18 12:55

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	deg F	deg F	deg F	%	%	%			%	%
Flashpoint	82.0	82.8	82.8	101	101	96.0-104			0.000	10

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
T8	Sample(s) received past/too close to holding time expiration.

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1805469
17-May-18

Client: Souder, Miller and Associates
Project: Huerfano

Sample ID **100ng lcs2**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**							
Client ID: **LCSW**	Batch ID: **B51142**	RunNo: **51142**							
Prep Date:	Analysis Date: **5/10/2018**	SeqNo: **1662299**	Units: **µg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	108	70	130			
Toluene	22	1.0	20.00	0	108	70	130			
Chlorobenzene	22	1.0	20.00	0	110	70	130			
1,1-Dichloroethene	23	1.0	20.00	0	113	70	130			
Trichloroethene (TCE)	21	1.0	20.00	0	104	70	130			
Surr: 1,2-Dichloroethane-d4	11		10.00		111	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		111	70	130			
Surr: Dibromofluoromethane	11		10.00		112	70	130			
Surr: Toluene-d8	11		10.00		111	70	130			

Sample ID **rb2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**							
Client ID: **PBW**	Batch ID: **B51142**	RunNo: **51142**							
Prep Date:	Analysis Date: **5/10/2018**	SeqNo: **1662300**	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
PQL	Practical Quanitative Limit	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#: 1805469

17-May-18

Client: Souder, Miller and Associates

Project: Huerfano

Sample ID **rb2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **B51142**	RunNo: **51142**
Prep Date:	Analysis Date: **5/10/2018**	SeqNo: **1662300** 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
PQL	Practical Quanitative Limit	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#: 1805469

17-May-18

Client: Souder, Miller and Associates

Project: Huerfano

Sample ID **rb2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **B51142**	RunNo: **51142**
Prep Date:	Analysis Date: **5/10/2018**	SeqNo: **1662300** 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		109	70	130			
Surr: Dibromofluoromethane	11		10.00		112	70	130			
Surr: Toluene-d8	11		10.00		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
PQL	Practical Quanitative Limit	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#: 1805469

17-May-18

Client: Souder, Miller and Associates

Project: Huerfano

Sample ID lcs-38085	SampType: LCS	TestCode: EPA Method 8270C: PAHs							
Client ID: LCSW	Batch ID: 38085	RunNo: 51313							
Prep Date: 5/14/2018	Analysis Date: 5/16/2018	SeqNo: 1668506	Units: µg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	15	0.50	20.00	0	74.2	28.6	113			
1-Methylnaphthalene	15	0.50	20.00	0	73.8	27	113			
2-Methylnaphthalene	15	0.50	20.00	0	74.0	26.3	112			
Acenaphthylene	16	0.50	20.00	0	79.4	36.2	114			
Acenaphthene	16	0.50	20.00	0	81.2	35.6	116			
Fluorene	17	0.50	20.00	0	84.1	38.4	116			
Phenanthrene	17	0.50	20.00	0	85.0	42.3	118			
Anthracene	18	0.50	20.00	0	89.6	42.2	117			
Fluoranthene	19	0.50	20.00	0	93.8	42.5	118			
Pyrene	20	0.50	20.00	0	98.7	40.8	121			
Benz(a)anthracene	20	0.50	20.00	0	97.6	43	118			
Chrysene	19	0.50	20.00	0	93.8	39.4	119			
Benzo(b)fluoranthene	23	0.50	20.00	0	116	47.8	115			S
Benzo(k)fluoranthene	22	0.50	20.00	0	108	40.5	120			
Benzo(a)pyrene	20	0.50	20.00	0	101	41.5	115			
Dibenz(a,h)anthracene	20	0.50	20.00	0	101	48.6	115			
Benzo(g,h,i)perylene	19	0.50	20.00	0	95.1	42	119			
Indeno(1,2,3-cd)pyrene	20	0.50	20.00	0	102	42.9	118			
Surr: N-hexadecane	67		87.60		76.3	18.7	145			
Surr: Benzo(e)pyrene	21		20.00		106	28.2	137			

Sample ID lcsd-38085	SampType: LCSD	TestCode: EPA Method 8270C: PAHs							
Client ID: LCSS02	Batch ID: 38085	RunNo: 51313							
Prep Date: 5/14/2018	Analysis Date: 5/16/2018	SeqNo: 1668507	Units: µg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	16	0.50	20.00	0	78.6	28.6	113	5.76	40.7	
1-Methylnaphthalene	17	0.50	20.00	0	84.1	27	113	13.0	38.4	
2-Methylnaphthalene	16	0.50	20.00	0	82.4	26.3	112	10.7	25.5	
Acenaphthylene	18	0.50	20.00	0	88.0	36.2	114	10.3	34.1	
Acenaphthene	18	0.50	20.00	0	87.8	35.6	116	7.81	32.1	
Fluorene	19	0.50	20.00	0	95.2	38.4	116	12.4	28	
Phenanthrene	18	0.50	20.00	0	89.6	42.3	118	5.27	37.4	
Anthracene	19	0.50	20.00	0	94.9	42.2	117	5.75	36.2	
Fluoranthene	20	0.50	20.00	0	99.8	42.5	118	6.20	26.6	
Pyrene	21	0.50	20.00	0	104	40.8	121	5.23	26.8	
Benz(a)anthracene	21	0.50	20.00	0	103	43	118	5.09	25.1	
Chrysene	20	0.50	20.00	0	102	39.4	119	8.08	23.3	
Benzo(b)fluoranthene	22	0.50	20.00	0	112	47.8	115	3.06	22.5	

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
PQL	Practical Quanitative Limit	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#: 1805469

17-May-18

Client: Souder, Miller and Associates

Project: Huerfano

Sample ID	lcsd-38085	SampType:	LCSD	TestCode:	EPA Method 8270C: PAHs					
Client ID:	LCSS02	Batch ID:	38085	RunNo:	51313					
Prep Date:	5/14/2018	Analysis Date:	5/16/2018	SeqNo:	1668507	Units:	µg/L			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	24	0.50	20.00	0	121	40.5	120	10.8	30.9	S
Benzo(a)pyrene	21	0.50	20.00	0	104	41.5	115	3.22	23.2	
Dibenz(a,h)anthracene	20	0.50	20.00	0	100	48.6	115	0.199	26.5	
Benzo(g,h,i)perylene	19	0.50	20.00	0	96.1	42	119	1.05	30.7	
Indeno(1,2,3-cd)pyrene	21	0.50	20.00	0	106	42.9	118	3.95	25.4	
Surr: N-hexadecane	73		87.60		83.0	18.7	145	0	0	
Surr: Benzo(e)pyrene	21		20.00		105	28.2	137	0	0	

Sample ID	mb-38085	SampType:	MBLK	TestCode:	EPA Method 8270C: PAHs					
Client ID:	PBW	Batch ID:	38085	RunNo:	51313					
Prep Date:	5/14/2018	Analysis Date:	5/16/2018	SeqNo:	1668508	Units:	µg/L			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	ND	0.50								
1-Methylnaphthalene	ND	0.50								
2-Methylnaphthalene	ND	0.50								
Acenaphthylene	ND	0.50								
Acenaphthene	ND	0.50								
Fluorene	ND	0.50								
Phenanthrene	ND	0.50								
Anthracene	ND	0.50								
Fluoranthene	ND	0.50								
Pyrene	ND	0.50								
Benz(a)anthracene	ND	0.50								
Chrysene	ND	0.50								
Benzo(b)fluoranthene	ND	0.50								
Benzo(k)fluoranthene	ND	0.50								
Benzo(a)pyrene	ND	0.50								
Dibenz(a,h)anthracene	ND	0.50								
Benzo(g,h,i)perylene	ND	0.50								
Indeno(1,2,3-cd)pyrene	ND	0.50								
Surr: N-hexadecane	74		87.60		84.5	18.7	145			
Surr: Benzo(e)pyrene	21		20.00		106	28.2	137			

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
PQL	Practical Quanitative Limit	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#: 1805469

17-May-18

Client: Souder, Miller and Associates

Project: Huerfano

Sample ID	MB-38054	SampType:	MBLK	TestCode:	EPA Method 7470: Mercury					
Client ID:	PBW	Batch ID:	38054	RunNo:	51205					
Prep Date:	5/10/2018	Analysis Date:	5/11/2018	SeqNo:	1664313	Units:	mg/L			

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

Sample ID	LCS-38054	SampType:	LCS	TestCode:	EPA Method 7470: Mercury					
Client ID:	LCSW	Batch ID:	38054	RunNo:	51205					
Prep Date:	5/10/2018	Analysis Date:	5/11/2018	SeqNo:	1664314	Units:	mg/L			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0050	0.00020	0.005000	0	99.8	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
PQL	Practical Quanitative Limit	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#: 1805469

17-May-18

Client: Souder, Miller and Associates

Project: Huerfano

Sample ID	MB-38044	SampType:	MBLK	TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	PBW	Batch ID:	38044	RunNo:	51217				
Prep Date:	5/10/2018	Analysis Date:	5/11/2018	SeqNo:	1664542	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-38044	SampType:	LCS	TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	LCSW	Batch ID:	38044	RunNo:	51217				
Prep Date:	5/10/2018	Analysis Date:	5/11/2018	SeqNo:	1664544	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.44	0.020	0.5000	0	88.7	80	120			
Barium	0.47	0.020	0.5000	0	94.1	80	120			
Cadmium	0.48	0.0020	0.5000	0	95.9	80	120			
Chromium	0.45	0.0060	0.5000	0	89.6	80	120			
Lead	0.46	0.0050	0.5000	0	91.5	80	120			
Selenium	0.48	0.050	0.5000	0	96.3	80	120			
Silver	0.082	0.0050	0.1000	0	82.1	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
PQL	Practical Quanitative Limit	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

Sample Log-In Check List

Client Name: SMA-FARM Work Order Number: 1805469 RcptNo: 1

Received By: Anne Thorne 5/9/2018 7:00:00 AM Anne Thorne

Completed By: Anne Thorne 5/9/2018 8:24:47 AM Anne Thorne

Reviewed By: 05/09/18

Labeled by: AT 05/09/18

Chain of Custody

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

Log In

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

# of preserved bottles checked for pH: 1 2 (<2 or >12 unless noted)
Adjusted? —
Checked by: AT 05/09/18

Special Handling (if applicable)

15. 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:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.4	Good	Yes			

Chain-of-Custody Record

Client: SMA

Mailing Address: 401 W Broadway
Farmington NM 87401

Phone #: 505 325 7535

email or Fax#: ashley maxwell

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

Accreditation
☐ NELAP ☐ Other _____
☐ EDD (Type) _____

Turn-Around Time:
~~X Standard~~ X Rush 5 Day Turn

Project Name: Huerfano

Project #:

Project Manager: Ashley Maxwell

Sampler: RW
On Ice: X Yes ☐ No
Sample Temperature: 1.4

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1805469	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)	RCI	Air Bubbles (Y or N)
5-8-18	15:21	Aqus	Huerfano	Various	Various	001						X	X			X		X	

Remarks: 8260 Full List Report
TCLP Compound at TCLP Limits
Invoice Enterprise CC. Tom Long

Date	Time	Relinquished by:	Received by:	Date	Time
5-8-18	1740			5/8/18	1740
5/8/18	1901			5/10/18	0700

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.

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, -107.77771

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 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, 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, 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: To Be Determine

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: _____ TITLE: _____ DATE: _____
SIGNATURE: _____ TELEPHONE NO.: _____
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

April 17, 2018

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

RE: Rattlesnake OrderNo.: 1803C56

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/22/2018 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1803C56**
Date Reported: **4/17/2018**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Project: Rattlesnake
Lab ID: 1803C56-001 **Matrix:** AQUEOUS

Client Sample ID: Rattlesnake Non Exempt
Collection Date: 3/21/2018 10:37:00 AM
Received Date: 3/22/2018 6:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 7470: MERCURY						Analyst: **rde**	
Mercury	0.0014	0.0010		mg/L	5	3/27/2018 4:31:40 PM	37260
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **MED**	
Arsenic	ND	5.0		mg/L	1	4/10/2018 12:38:11 PM	37317
Barium	ND	100		mg/L	1	4/1/2018 4:24:58 PM	37317
Cadmium	ND	1.0		mg/L	1	4/1/2018 4:24:58 PM	37317
Chromium	ND	5.0		mg/L	1	4/1/2018 4:24:58 PM	37317
Lead	ND	5.0		mg/L	1	4/13/2018 12:30:15 PM	37317
Selenium	ND	1.0		mg/L	1	4/1/2018 4:24:58 PM	37317
Silver	ND	5.0		mg/L	1	4/1/2018 4:24:58 PM	37317
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	50	D	µg/L	10	3/29/2018 2:33:54 PM	37250
1-Methylnaphthalene	ND	50	D	µg/L	10	3/29/2018 2:33:54 PM	37250
2-Methylnaphthalene	ND	50	D	µg/L	10	3/29/2018 2:33:54 PM	37250
Acenaphthylene	ND	50	D	µg/L	10	3/29/2018 2:33:54 PM	37250
Acenaphthene	ND	50	D	µg/L	10	3/29/2018 2:33:54 PM	37250
Fluorene	ND	50	D	µg/L	10	3/29/2018 2:33:54 PM	37250
Phenanthrene	ND	50	D	µg/L	10	3/29/2018 2:33:54 PM	37250
Anthracene	ND	50	D	µg/L	10	3/29/2018 2:33:54 PM	37250
Fluoranthene	ND	50	D	µg/L	10	3/29/2018 2:33:54 PM	37250
Pyrene	ND	50	D	µg/L	10	3/29/2018 2:33:54 PM	37250
Benz(a)anthracene	ND	50	D	µg/L	10	3/29/2018 2:33:54 PM	37250
Chrysene	ND	50	D	µg/L	10	3/29/2018 2:33:54 PM	37250
Benzo(b)fluoranthene	ND	50	D	µg/L	10	3/29/2018 2:33:54 PM	37250
Benzo(k)fluoranthene	ND	50	D	µg/L	10	3/29/2018 2:33:54 PM	37250
Benzo(a)pyrene	ND	50	D	µg/L	10	3/29/2018 2:33:54 PM	37250
Dibenz(a,h)anthracene	ND	50	D	µg/L	10	3/29/2018 2:33:54 PM	37250
Benzo(g,h,i)perylene	ND	50	D	µg/L	10	3/29/2018 2:33:54 PM	37250
Indeno(1,2,3-cd)pyrene	ND	50	D	µg/L	10	3/29/2018 2:33:54 PM	37250
Surr: N-hexadecane	0	18.7-145	SD	%Rec	10	3/29/2018 2:33:54 PM	37250
Surr: Benzo(e)pyrene	0	28.2-137	SD	%Rec	10	3/29/2018 2:33:54 PM	37250
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.50		µg/L	200	3/24/2018 7:26:00 AM	B50039
Toluene	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
Ethylbenzene	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
Methyl tert-butyl ether (MTBE)	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
1,2,4-Trimethylbenzene	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
1,3,5-Trimethylbenzene	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
1,2-Dichloroethane (EDC)	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039

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
PQL	Practical Quanitative Limit	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 **1803C56**
Date Reported: **4/17/2018**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Project: Rattlesnake
Lab ID: 1803C56-001 **Matrix:** AQUEOUS

Client Sample ID: Rattlesnake Non Exempt
Collection Date: 3/21/2018 10:37:00 AM
Received Date: 3/22/2018 6:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,2-Dibromoethane (EDB)	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
Naphthalene	ND	0.40		µg/L	200	3/24/2018 7:26:00 AM	B50039
1-Methylnaphthalene	ND	0.80		µg/L	200	3/24/2018 7:26:00 AM	B50039
2-Methylnaphthalene	ND	0.80		µg/L	200	3/24/2018 7:26:00 AM	B50039
Acetone	2.9	2.0		µg/L	200	3/24/2018 7:26:00 AM	B50039
Bromobenzene	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
Bromodichloromethane	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
Bromoform	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
Bromomethane	ND	0.60		µg/L	200	3/24/2018 7:26:00 AM	B50039
2-Butanone	ND	2.0		µg/L	200	3/24/2018 7:26:00 AM	B50039
Carbon disulfide	ND	2.0		µg/L	200	3/24/2018 7:26:00 AM	B50039
Carbon Tetrachloride	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
Chlorobenzene	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
Chloroethane	ND	0.40		µg/L	200	3/24/2018 7:26:00 AM	B50039
Chloroform	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
Chloromethane	ND	0.60		µg/L	200	3/24/2018 7:26:00 AM	B50039
2-Chlorotoluene	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
4-Chlorotoluene	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
cis-1,2-DCE	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
cis-1,3-Dichloropropene	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
1,2-Dibromo-3-chloropropane	ND	0.40		µg/L	200	3/24/2018 7:26:00 AM	B50039
Dibromochloromethane	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
Dibromomethane	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
1,2-Dichlorobenzene	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
1,3-Dichlorobenzene	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
1,4-Dichlorobenzene	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
Dichlorodifluoromethane	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
1,1-Dichloroethane	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
1,1-Dichloroethene	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
1,2-Dichloropropane	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
1,3-Dichloropropane	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
2,2-Dichloropropane	ND	0.40		µg/L	200	3/24/2018 7:26:00 AM	B50039
1,1-Dichloropropene	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
Hexachlorobutadiene	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
2-Hexanone	ND	2.0		µg/L	200	3/24/2018 7:26:00 AM	B50039
Isopropylbenzene	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
4-Isopropyltoluene	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
4-Methyl-2-pentanone	ND	2.0		µg/L	200	3/24/2018 7:26:00 AM	B50039
Methylene Chloride	ND	0.60		µg/L	200	3/24/2018 7:26:00 AM	B50039

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
PQL	Practical Quanitative Limit	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 **1803C56**
Date Reported: **4/17/2018**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Project: Rattlesnake
Lab ID: 1803C56-001 **Matrix:** AQUEOUS

Client Sample ID: Rattlesnake Non Exempt
Collection Date: 3/21/2018 10:37:00 AM
Received Date: 3/22/2018 6:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
n-Butylbenzene	ND	0.60		µg/L	200	3/24/2018 7:26:00 AM	B50039
n-Propylbenzene	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
sec-Butylbenzene	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
Styrene	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
tert-Butylbenzene	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
1,1,1,2-Tetrachloroethane	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
1,1,2,2-Tetrachloroethane	ND	0.40		µg/L	200	3/24/2018 7:26:00 AM	B50039
Tetrachloroethene (PCE)	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
trans-1,2-DCE	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
trans-1,3-Dichloropropene	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
1,2,3-Trichlorobenzene	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
1,2,4-Trichlorobenzene	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
1,1,1-Trichloroethane	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
1,1,2-Trichloroethane	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
Trichloroethene (TCE)	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
Trichlorofluoromethane	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
1,2,3-Trichloropropane	ND	0.40		µg/L	200	3/24/2018 7:26:00 AM	B50039
Vinyl chloride	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B50039
Xylenes, Total	ND	0.30		µg/L	200	3/24/2018 7:26:00 AM	B50039
Surr: 1,2-Dichloroethane-d4	91.7	70-130		%Rec	200	3/24/2018 7:26:00 AM	B50039
Surr: 4-Bromofluorobenzene	79.9	70-130		%Rec	200	3/24/2018 7:26:00 AM	B50039
Surr: Dibromofluoromethane	90.0	70-130		%Rec	200	3/24/2018 7:26:00 AM	B50039
Surr: Toluene-d8	89.8	70-130		%Rec	200	3/24/2018 7:26:00 AM	B50039

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
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

1803C56-001D RATTLESNAKE NON EXEMPT
Collected date/time: 03/21/18 10:37

SAMPLE RESULTS - 01
L979836

ONE LAB. NATIONWIDE.

Wet Chemistry by Method 4500 CN E-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Reactive Cyanide	ND		0.00500	1	03/30/2018 07:59	WG1090812

Wet Chemistry by Method 4500H+ B-2011

Analyte	Result su	Qualifier	Dilution	Analysis date / time	Batch
Corrosivity by pH	5.51	T8	1	03/24/2018 09:51	WG1088915

Sample Narrative:
L979836-01 WG1088915: 5.51 at 9.9C

Wet Chemistry by Method 9034-9030B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Reactive Sulfide	ND		0.0500	1	03/27/2018 17:42	WG1089663

Wet Chemistry by Method D93/1010A

Analyte	Result deg F	Qualifier	Dilution	Analysis date / time	Batch
Flashpoint	DNF at 170		1	03/27/2018 14:22	WG1089280

Method Blank (MB)

(MB) R3297645-1 03/30/18 07:46

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Reactive Cyanide	U		0.00180	0.00500

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3297645-2 03/30/18 07:47 • (LCSD) R3297645-3 03/30/18 07:48

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Reactive Cyanide	0.100	0.102	0.100	102	100	85.0-115			1.98	20

WG1088915

Wet Chemistry by Method 4500H+ B-2011

QUALITY CONTROL SUMMARY

L979836-01

ONE LAB. NATIONWIDE.

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3296058-1 03/24/18 09:51 • (LCSD) R3296058-2 03/24/18 09:51

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	su	su	su	%	%	%			%	%
Corrosivity by pH	10.0	9.98	9.98	99.8	99.8	99.0-101			0.000	1

Sample Narrative:

LCS: 9.98 at 20C

LCSD: 9.98 at 20C

Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3296823-1 03/27/18 17:38

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Reactive Sulfide	U		0.00650	0.0500

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3296823-2 03/27/18 17:39 • (LCSD) R3296823-3 03/27/18 17:39

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Reactive Sulfide	0.500	0.529	0.531	106	106	85.0-115			0.377	20

WG1089280

Wet Chemistry by Method D93/1010A

QUALITY CONTROL SUMMARY

L979836-01

ONE LAB. NATIONWIDE.

L979838-01 Original Sample (OS) • Duplicate (DUP)

(OS) L979838-01 03/27/18 14:22 • (DUP) R3296725-3 03/27/18 14:22

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	deg F	deg F		%		%
Flashpoint	DNF at 170	DNF at 170	1	0.000		10

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3296725-1 03/27/18 14:22 • (LCSD) R3296725-2 03/27/18 14:22

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	deg F	deg F	deg F	%	%	%			%	%
Flashpoint	82.0	82.4	82.4	100	100	96.0-104			0.000	10

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
T8	Sample(s) received past/too close to holding time expiration.

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1803C56

17-Apr-18

Client: Souder, Miller and Associates

Project: Rattlesnake

Sample ID **100ng lcs2**	SampType: **LCS**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSW**	Batch ID: **B50039**	RunNo: **50039**
Prep Date:	Analysis Date: **3/24/2018**	SeqNo: **1620229** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	110	70	130			
Toluene	19	1.0	20.00	0	95.6	70	130			
Chlorobenzene	19	1.0	20.00	0	97.4	70	130			
1,1-Dichloroethene	23	1.0	20.00	0	116	70	130			
Trichloroethene (TCE)	21	1.0	20.00	0	103	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		104	70	130			
Surr: 4-Bromofluorobenzene	8.2		10.00		81.5	70	130			
Surr: Dibromofluoromethane	9.0		10.00		89.9	70	130			
Surr: Toluene-d8	8.9		10.00		89.2	70	130			

Sample ID **rb2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **B50039**	RunNo: **50039**
Prep Date:	Analysis Date: **3/24/2018**	SeqNo: **1620307** 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
PQL	Practical Quanitative Limit	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#: 1803C56

17-Apr-18

Client: Souder, Miller and Associates

Project: Rattlesnake

Sample ID **rb2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **B50039**	RunNo: **50039**
Prep Date:	Analysis Date: **3/24/2018**	SeqNo: **1620307** 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
PQL	Practical Quanitative Limit	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#: **1803C56**

17-Apr-18

Client: Souder, Miller and Associates

Project: Rattlesnake

Sample ID **rb2**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **B50039**	RunNo: **50039**
Prep Date:	Analysis Date: **3/24/2018**	SeqNo: **1620307** 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	9.2		10.00		91.6	70	130			
Surr: 4-Bromofluorobenzene	7.9		10.00		79.4	70	130			
Surr: Dibromofluoromethane	9.1		10.00		90.7	70	130			
Surr: Toluene-d8	9.0		10.00		89.8	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
PQL	Practical Quanitative Limit	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#: 1803C56

17-Apr-18

Client: Souder, Miller and Associates

Project: Rattlesnake

Sample ID	lcs-37250	SampType:	LCS		TestCode:	EPA Method 8270C: PAHs				
Client ID:	LCSW	Batch ID:	37250		RunNo:	50184				
Prep Date:	3/27/2018	Analysis Date:	3/29/2018		SeqNo:	1625683	Units:	µg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	8.2	0.50	20.00	0	41.0	28.6	113			
1-Methylnaphthalene	8.7	0.50	20.00	0	43.7	27	113			
2-Methylnaphthalene	8.9	0.50	20.00	0	44.3	26.3	112			
Acenaphthylene	8.6	0.50	20.00	0	42.8	36.2	114			
Acenaphthene	9.1	0.50	20.00	0	45.7	35.6	116			
Fluorene	9.2	0.50	20.00	0	46.0	38.4	116			
Phenanthrene	9.8	0.50	20.00	0	48.9	42.3	118			
Anthracene	9.6	0.50	20.00	0	47.8	42.2	117			
Fluoranthene	10	0.50	20.00	0	51.1	42.5	118			
Pyrene	10	0.50	20.00	0	52.2	40.8	121			
Benz(a)anthracene	11	0.50	20.00	0	53.0	43	118			
Chrysene	10	0.50	20.00	0	50.5	39.4	119			
Benzo(b)fluoranthene	10	0.50	20.00	0	52.5	47.8	115			
Benzo(k)fluoranthene	10	0.50	20.00	0	49.8	40.5	120			
Benzo(a)pyrene	9.5	0.50	20.00	0	47.5	41.5	115			
Dibenz(a,h)anthracene	11	0.50	20.00	0	53.3	48.6	115			
Benzo(g,h,i)perylene	11	0.50	20.00	0	53.7	42	119			
Indeno(1,2,3-cd)pyrene	11	0.50	20.00	0	53.2	42.9	118			
Surr: N-hexadecane	43		87.60		49.4	18.7	145			
Surr: Benzo(e)pyrene	12		20.00		58.1	28.2	137			

Sample ID	lcsd-37250	SampType:	LCSD		TestCode:	EPA Method 8270C: PAHs				
Client ID:	LCSS02	Batch ID:	37250		RunNo:	50184				
Prep Date:	3/27/2018	Analysis Date:	3/29/2018		SeqNo:	1625684	Units:	µg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	11	0.50	20.00	0	55.0	28.6	113	29.2	40.7	
1-Methylnaphthalene	11	0.50	20.00	0	56.9	27	113	26.2	38.4	
2-Methylnaphthalene	11	0.50	20.00	0	54.6	26.3	112	20.8	25.5	
Acenaphthylene	12	0.50	20.00	0	62.2	36.2	114	37.0	34.1	R
Acenaphthene	13	0.50	20.00	0	65.3	35.6	116	35.3	32.1	R
Fluorene	14	0.50	20.00	0	70.2	38.4	116	41.7	28	R
Phenanthrene	14	0.50	20.00	0	68.8	42.3	118	33.8	37.4	
Anthracene	14	0.50	20.00	0	70.1	42.2	117	37.8	36.2	R
Fluoranthene	15	0.50	20.00	0	75.3	42.5	118	38.3	26.6	R
Pyrene	14	0.50	20.00	0	69.9	40.8	121	29.0	26.8	R
Benz(a)anthracene	15	0.50	20.00	0	74.8	43	118	34.1	25.1	R
Chrysene	15	0.50	20.00	0	72.7	39.4	119	36.0	23.3	R
Benzo(b)fluoranthene	15	0.50	20.00	0	74.3	47.8	115	34.4	22.5	R

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
PQL	Practical Quanitative Limit	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#: 1803C56

17-Apr-18

Client: Souder, Miller and Associates

Project: Rattlesnake

Sample ID	lcsd-37250	SampType:	LCSD		TestCode:	EPA Method 8270C: PAHs				
Client ID:	LCSS02	Batch ID:	37250		RunNo:	50184				
Prep Date:	3/27/2018	Analysis Date:	3/29/2018		SeqNo:	1625684	Units:	µg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	14	0.50	20.00	0	71.0	40.5	120	35.1	30.9	R
Benzo(a)pyrene	14	0.50	20.00	0	69.2	41.5	115	37.2	23.2	R
Dibenz(a,h)anthracene	15	0.50	20.00	0	75.5	48.6	115	34.5	26.5	R
Benzo(g,h,i)perylene	15	0.50	20.00	0	77.1	42	119	35.8	30.7	R
Indeno(1,2,3-cd)pyrene	15	0.50	20.00	0	77.0	42.9	118	36.6	25.4	R
Surr: N-hexadecane	60		87.60		68.5	18.7	145	0	0	
Surr: Benzo(e)pyrene	15		20.00		77.3	28.2	137	0	0	

Sample ID	mb-37250	SampType:	MBLK		TestCode:	EPA Method 8270C: PAHs				
Client ID:	PBW	Batch ID:	37250		RunNo:	50184				
Prep Date:	3/27/2018	Analysis Date:	3/29/2018		SeqNo:	1625685	Units:	µg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	ND	0.50								
1-Methylnaphthalene	ND	0.50								
2-Methylnaphthalene	ND	0.50								
Acenaphthylene	ND	0.50								
Acenaphthene	ND	0.50								
Fluorene	ND	0.50								
Phenanthrene	ND	0.50								
Anthracene	ND	0.50								
Fluoranthene	ND	0.50								
Pyrene	ND	0.50								
Benz(a)anthracene	ND	0.50								
Chrysene	ND	0.50								
Benzo(b)fluoranthene	ND	0.50								
Benzo(k)fluoranthene	ND	0.50								
Benzo(a)pyrene	ND	0.50								
Dibenz(a,h)anthracene	ND	0.50								
Benzo(g,h,i)perylene	ND	0.50								
Indeno(1,2,3-cd)pyrene	ND	0.50								
Surr: N-hexadecane	75		87.60		85.5	18.7	145			
Surr: Benzo(e)pyrene	21		20.00		104	28.2	137			

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
PQL	Practical Quanitative Limit	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#: 1803C56

17-Apr-18

Client: Souder, Miller and Associates

Project: Rattlesnake

Sample ID	MB-37260	SampType:	MBLK	TestCode:	EPA Method 7470: Mercury				
Client ID:	PBW	Batch ID:	37260	RunNo:	50109				
Prep Date:	3/27/2018	Analysis Date:	3/27/2018	SeqNo:	1622635	Units:	mg/L		

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

Sample ID	LCS-37260	SampType:	LCS	TestCode:	EPA Method 7470: Mercury				
Client ID:	LCSW	Batch ID:	37260	RunNo:	50109				
Prep Date:	3/27/2018	Analysis Date:	3/27/2018	SeqNo:	1622636	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0058	0.00020	0.005000	0	117	80	120			

Sample ID	LCSD-37260	SampType:	LCSD	TestCode:	EPA Method 7470: Mercury				
Client ID:	LCSS02	Batch ID:	37260	RunNo:	50109				
Prep Date:	3/27/2018	Analysis Date:	3/27/2018	SeqNo:	1622637	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0058	0.00020	0.005000	0	116	80	120	1.01	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
PQL	Practical Quanitative Limit	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#: **1803C56**

17-Apr-18

Client: Souder, Miller and Associates

Project: Rattlesnake

Sample ID	MB-37317	SampType:	MBLK	TestCode:	EPA 6010B: Total Recoverable Metals					
Client ID:	PBW	Batch ID:	37317	RunNo:	50221					
Prep Date:	3/29/2018	Analysis Date:	4/1/2018	SeqNo:	1626784	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-37317	SampType:	LCS	TestCode:	EPA 6010B: Total Recoverable Metals					
Client ID:	LCSW	Batch ID:	37317	RunNo:	50221					
Prep Date:	3/29/2018	Analysis Date:	4/1/2018	SeqNo:	1626785	Units:	mg/L			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	0.51	0.020	0.5000	0	101	80	120			
Cadmium	0.51	0.0020	0.5000	0	102	80	120			
Chromium	0.52	0.0060	0.5000	0	103	80	120			
Selenium	0.51	0.050	0.5000	0	101	80	120			
Silver	0.11	0.0050	0.1000	0	112	80	120			

Sample ID	MB-37317	SampType:	MBLK	TestCode:	EPA 6010B: Total Recoverable Metals					
Client ID:	PBW	Batch ID:	37317	RunNo:	50385					
Prep Date:	3/29/2018	Analysis Date:	4/8/2018	SeqNo:	1632771	Units:	mg/L			

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

Sample ID	LCS-37317	SampType:	LCS	TestCode:	EPA 6010B: Total Recoverable Metals					
Client ID:	LCSW	Batch ID:	37317	RunNo:	50385					
Prep Date:	3/29/2018	Analysis Date:	4/8/2018	SeqNo:	1632772	Units:	mg/L			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead	0.53	0.0050	0.5000	0	106	80	120			

Sample ID	MB-37317	SampType:	MBLK	TestCode:	EPA 6010B: Total Recoverable Metals					
Client ID:	PBW	Batch ID:	37317	RunNo:	50427					
Prep Date:	3/29/2018	Analysis Date:	4/10/2018	SeqNo:	1635288	Units:	mg/L			

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

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
PQL	Practical Quanitative Limit	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#: **1803C56**

17-Apr-18

Client: Souder, Miller and Associates

Project: Rattlesnake

Sample ID	**LCS-37317**	SampType: **LCS**			TestCode: **EPA 6010B: Total Recoverable Metals**					
Client ID:	**LCSW**	Batch ID: **37317**			RunNo: **50427**					
Prep Date:	**3/29/2018**	Analysis Date: **4/10/2018**			SeqNo: **1635289**		Units: **mg/L**			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic		0.52	0.020	0.5000	0	104	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
PQL	Practical Quanitative Limit	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

Sample Log-In Check List

Client Name: SMA-FARM Work Order Number: 1803C56 RcptNo: 1

Received By: Anne Thorne 3/22/2018 6:50:00 AM Anne Thorne

Completed By: Anne Thorne 3/22/2018 12:08:55 PM Anne Thorne

Reviewed By: SRC 03/22/18

Labeled By DDS

Chain of Custody

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

Log In

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

Special Handling (if applicable)

15. 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:

16. Additional remarks:

17. Cooler Information

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

Chain-of-Custody Record

Client: SMA

Mailing Address: 401 W Broadway
Farmington, NM 87401

Phone #: 505-325-7535

email or Fax#: Ashley Maxwell

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

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush _____

Project Name: Rattlesnake

Project #:

Project Manager: Ashley Maxwell

Sampler: RW

On Ice: ☑ Yes ☐ No

Sample Temperature: 1.0

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

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)
3-21-18	10:37	Aques	Rattlesnake Non Exempt	Various	Various	180364 701						X	X			X		X					

Date: 3/21/18 Time: 1615 Relinquished by: [signature]
Received by: [signature] Date Time: 3/21/18 1615

Date: 3/21/18 Time: 1811 Relinquished by: [signature]
Received by: [signature] Date Time: 03/22/18 0652

Remarks: 8260 Full List Report
TCLP Compared at TCLP Limits
Invoice Enterprise CC Tom Long

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.

27 MAR PM

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 Plant

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

4. **Source and Description of Waste:**
Source:
Description: Hydrocarbon impacted soil associated blow down pit.
Estimated Volume 500 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 Agua Moss, LLC to complete
Generator Signature
the required testing/sign the Generator Waste Testing Certification.

I, _____, representative for Agua Moss, Inc. 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: 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: _____ TITLE: _____ DATE: _____
SIGNATURE: _____ TELEPHONE NO.: _____
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 27, 2018

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

RE: Chaco OrderNo.: 1803601

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/10/2018 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1803601**
Date Reported: **3/27/2018**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Project: Chaco
Lab ID: 1803601-001 **Matrix:** AQUEOUS

Client Sample ID: Chaco Non Exempt
Collection Date: 3/8/2018 10:32:00 AM
Received Date: 3/10/2018 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 7470: MERCURY						Analyst: **rde**	
Mercury	ND	0.20		mg/L	1	3/19/2018 5:23:30 PM	37099
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **JLF**	
Arsenic	ND	5.0		mg/L	1	3/21/2018 4:23:01 PM	37055
Barium	ND	100		mg/L	1	3/21/2018 3:29:03 PM	37055
Cadmium	ND	1.0		mg/L	1	3/21/2018 3:29:03 PM	37055
Chromium	ND	5.0		mg/L	1	3/21/2018 3:29:03 PM	37055
Lead	ND	5.0		mg/L	1	3/21/2018 3:29:03 PM	37055
Selenium	ND	1.0		mg/L	1	3/21/2018 3:29:03 PM	37055
Silver	ND	5.0		mg/L	1	3/21/2018 3:29:03 PM	37055
EPA METHOD 8270C: PAHS						Analyst: **DAM**	
Naphthalene	ND	2.5	D	µg/L	1	3/15/2018 7:42:32 PM	36978
1-Methylnaphthalene	ND	2.5	D	µg/L	1	3/15/2018 7:42:32 PM	36978
2-Methylnaphthalene	ND	2.5	D	µg/L	1	3/15/2018 7:42:32 PM	36978
Acenaphthylene	ND	2.5	D	µg/L	1	3/15/2018 7:42:32 PM	36978
Acenaphthene	ND	2.5	D	µg/L	1	3/15/2018 7:42:32 PM	36978
Fluorene	ND	2.5	D	µg/L	1	3/15/2018 7:42:32 PM	36978
Phenanthrene	ND	2.5	D	µg/L	1	3/15/2018 7:42:32 PM	36978
Anthracene	ND	2.5	D	µg/L	1	3/15/2018 7:42:32 PM	36978
Fluoranthene	ND	2.5	D	µg/L	1	3/15/2018 7:42:32 PM	36978
Pyrene	ND	2.5	D	µg/L	1	3/15/2018 7:42:32 PM	36978
Benz(a)anthracene	ND	2.5	D	µg/L	1	3/15/2018 7:42:32 PM	36978
Chrysene	ND	2.5	D	µg/L	1	3/15/2018 7:42:32 PM	36978
Benzo(b)fluoranthene	ND	2.5	D	µg/L	1	3/15/2018 7:42:32 PM	36978
Benzo(k)fluoranthene	ND	2.5	D	µg/L	1	3/15/2018 7:42:32 PM	36978
Benzo(a)pyrene	ND	2.5	D	µg/L	1	3/15/2018 7:42:32 PM	36978
Dibenz(a,h)anthracene	ND	2.5	D	µg/L	1	3/15/2018 7:42:32 PM	36978
Benzo(g,h,i)perylene	ND	2.5	D	µg/L	1	3/15/2018 7:42:32 PM	36978
Indeno(1,2,3-cd)pyrene	ND	2.5	D	µg/L	1	3/15/2018 7:42:32 PM	36978
Surr: N-hexadecane	70.1	18.7-145	D	%Rec	1	3/15/2018 7:42:32 PM	36978
Surr: Benzo(e)pyrene	82.9	28.2-137	D	%Rec	1	3/15/2018 7:42:32 PM	36978
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.50		µg/L	200	3/12/2018 6:54:00 PM	R49721
Toluene	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
Ethylbenzene	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
Methyl tert-butyl ether (MTBE)	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
1,2,4-Trimethylbenzene	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
1,3,5-Trimethylbenzene	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
1,2-Dichloroethane (EDC)	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721

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
PQL	Practical Quanitative Limit	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 **1803601**
Date Reported: **3/27/2018**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Project: Chaco
Lab ID: 1803601-001 **Matrix:** AQUEOUS

Client Sample ID: Chaco Non Exempt
Collection Date: 3/8/2018 10:32:00 AM
Received Date: 3/10/2018 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,2-Dibromoethane (EDB)	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
Naphthalene	ND	0.40		µg/L	200	3/12/2018 6:54:00 PM	R49721
1-Methylnaphthalene	ND	0.80		µg/L	200	3/12/2018 6:54:00 PM	R49721
2-Methylnaphthalene	ND	0.80		µg/L	200	3/12/2018 6:54:00 PM	R49721
Acetone	ND	2.0		µg/L	200	3/12/2018 6:54:00 PM	R49721
Bromobenzene	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
Bromodichloromethane	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
Bromoform	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
Bromomethane	ND	0.60		µg/L	200	3/12/2018 6:54:00 PM	R49721
2-Butanone	ND	2.0		µg/L	200	3/12/2018 6:54:00 PM	R49721
Carbon disulfide	ND	2.0		µg/L	200	3/12/2018 6:54:00 PM	R49721
Carbon Tetrachloride	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
Chlorobenzene	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
Chloroethane	ND	0.40		µg/L	200	3/12/2018 6:54:00 PM	R49721
Chloroform	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
Chloromethane	ND	0.60		µg/L	200	3/12/2018 6:54:00 PM	R49721
2-Chlorotoluene	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
4-Chlorotoluene	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
cis-1,2-DCE	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
cis-1,3-Dichloropropene	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
1,2-Dibromo-3-chloropropane	ND	0.40		µg/L	200	3/12/2018 6:54:00 PM	R49721
Dibromochloromethane	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
Dibromomethane	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
1,2-Dichlorobenzene	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
1,3-Dichlorobenzene	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
1,4-Dichlorobenzene	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
Dichlorodifluoromethane	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
1,1-Dichloroethane	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
1,1-Dichloroethene	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
1,2-Dichloropropane	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
1,3-Dichloropropane	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
2,2-Dichloropropane	ND	0.40		µg/L	200	3/12/2018 6:54:00 PM	R49721
1,1-Dichloropropene	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
Hexachlorobutadiene	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
2-Hexanone	ND	2.0		µg/L	200	3/12/2018 6:54:00 PM	R49721
Isopropylbenzene	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
4-Isopropyltoluene	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
4-Methyl-2-pentanone	ND	2.0		µg/L	200	3/12/2018 6:54:00 PM	R49721
Methylene Chloride	ND	0.60		µg/L	200	3/12/2018 6:54:00 PM	R49721

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
PQL	Practical Quanitative Limit	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 **1803601**
Date Reported: **3/27/2018**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Project: Chaco
Lab ID: 1803601-001 **Matrix:** AQUEOUS

Client Sample ID: Chaco Non Exempt
Collection Date: 3/8/2018 10:32:00 AM
Received Date: 3/10/2018 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
n-Butylbenzene	ND	0.60		µg/L	200	3/12/2018 6:54:00 PM	R49721
n-Propylbenzene	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
sec-Butylbenzene	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
Styrene	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
tert-Butylbenzene	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
1,1,1,2-Tetrachloroethane	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
1,1,2,2-Tetrachloroethane	ND	0.40		µg/L	200	3/12/2018 6:54:00 PM	R49721
Tetrachloroethene (PCE)	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
trans-1,2-DCE	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
trans-1,3-Dichloropropene	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
1,2,3-Trichlorobenzene	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
1,2,4-Trichlorobenzene	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
1,1,1-Trichloroethane	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
1,1,2-Trichloroethane	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
Trichloroethene (TCE)	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
Trichlorofluoromethane	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
1,2,3-Trichloropropane	ND	0.40		µg/L	200	3/12/2018 6:54:00 PM	R49721
Vinyl chloride	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R49721
Xylenes, Total	ND	0.30		µg/L	200	3/12/2018 6:54:00 PM	R49721
Surr: 1,2-Dichloroethane-d4	93.4	70-130		%Rec	200	3/12/2018 6:54:00 PM	R49721
Surr: 4-Bromofluorobenzene	78.4	70-130		%Rec	200	3/12/2018 6:54:00 PM	R49721
Surr: Dibromofluoromethane	98.1	70-130		%Rec	200	3/12/2018 6:54:00 PM	R49721
Surr: Toluene-d8	84.8	70-130		%Rec	200	3/12/2018 6:54:00 PM	R49721

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
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	180313041
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1803601
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	180313041-001	**Sampling Date**	3/8/2018	**Date/Time Received**	3/13/2018 10:24 AM
Client Sample ID	1803601-001D / CHACO NON EXEMPT				
Matrix	Water	**Sampling Time**	10:32 AM		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide (reactive)	ND	mg/L	0.1	3/14/2018	RPU	SW846 CH7	
Flashpoint	>200	°F		3/19/2018 11:45:00 AM	GPB	EPA 1010	
pH	8.57	ph Units		3/14/2018 3:00:00 PM	RPU	SM 4500pH-B	
Reactive sulfide	ND	mg/L	0.2	3/22/2018 1:50:00 PM	ETL	SW846 CH7	

Authorized Signature

Todd Taruscio, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013;NV:ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 180313041
Project Name: 1803601

Analytical Results Report

Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Reactive sulfide	0.160	mg/L	0.2	80.0	70-130	3/22/2018	3/22/2018
Cyanide (reactive)	0.538	mg/L	0.5	107.6	80-120	3/14/2018	3/14/2018

Lab Control Sample Duplicate

Parameter	LCSD Result	Units	LCSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Reactive sulfide	0.180	mg/L	0.2	90.0	11.8	0-25	3/22/2018	3/22/2018

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
180316029-001A	Reactive sulfide	ND	0.529	mg/L	0.661	80.0	70-130	3/22/2018	3/22/2018
180313041-001	Cyanide (reactive)	ND	5.08	mg/L	5	101.6	80-120	3/14/2018	3/14/2018

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Cyanide (reactive)	5.13	mg/L	5	102.6	1.0	0-25	3/14/2018	3/14/2018

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Cyanide (reactive)	ND	mg/L	1	3/14/2018	3/14/2018
Reactive sulfide	ND	mg/L	0.1	3/22/2018	3/22/2018

AR	Acceptable Range
ND	Not Detected
PQL	Practical Quantitation Limit
RPD	Relative Percentage Difference

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013;NV:ID00013; OR:ID200001-002; WA:C585
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1803601

27-Mar-18

Client: Souder, Miller and Associates

Project: Chaco

Sample ID 100ng ics	SampType: LCS	TestCode: EPA Method 8260B: VOLATILES						
Client ID: LCSW	Batch ID: R49721	RunNo: 49721						
Prep Date:	Analysis Date: 3/12/2018	SeqNo: 1608099	Units: µg/L					

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	105	70	130			
Toluene	20	1.0	20.00	0	99.1	70	130			
Chlorobenzene	20	1.0	20.00	0	101	70	130			
1,1-Dichloroethene	22	1.0	20.00	0	112	70	130			
Trichloroethene (TCE)	20	1.0	20.00	0	100	70	130			
Surr: 1,2-Dichloroethane-d4	9.0		10.00		90.3	70	130			
Surr: 4-Bromofluorobenzene	8.0		10.00		80.1	70	130			
Surr: Dibromofluoromethane	9.1		10.00		91.3	70	130			
Surr: Toluene-d8	8.6		10.00		85.6	70	130			

Sample ID RB	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES						
Client ID: PBW	Batch ID: R49721	RunNo: 49721						
Prep Date:	Analysis Date: 3/12/2018	SeqNo: 1608102	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
PQL	Practical Quanitative Limit	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#: 1803601

27-Mar-18

Client: Souder, Miller and Associates

Project: Chaco

Sample ID **RB**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R49721**	RunNo: **49721**
Prep Date:	Analysis Date: **3/12/2018**	SeqNo: **1608102** 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
PQL	Practical Quanitative Limit	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#: 1803601

27-Mar-18

Client: Souder, Miller and Associates

Project: Chaco

Sample ID **RB**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R49721**	RunNo: **49721**
Prep Date:	Analysis Date: **3/12/2018**	SeqNo: **1608102** 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	9.1		10.00		91.0	70	130			
Surr: 4-Bromofluorobenzene	8.0		10.00		80.3	70	130			
Surr: Dibromofluoromethane	9.1		10.00		90.9	70	130			
Surr: Toluene-d8	8.7		10.00		87.3	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
PQL	Practical Quanitative Limit	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#: 1803601

27-Mar-18

Client: Souder, Miller and Associates

Project: Chaco

Sample ID lcs-36978	SampType: LCS	TestCode: EPA Method 8270C: PAHs							
Client ID: LCSW	Batch ID: 36978	RunNo: 49880							
Prep Date: 3/13/2018	Analysis Date: 3/15/2018	SeqNo: 1614453	Units: µg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	18	0.50	20.00	0	90.0	28.6	113			
1-Methylnaphthalene	19	0.50	20.00	0	95.3	27	113			
2-Methylnaphthalene	18	0.50	20.00	0	90.0	26.3	112			
Acenaphthylene	18	0.50	20.00	0	87.7	36.2	114			
Acenaphthene	18	0.50	20.00	0	89.2	35.6	116			
Fluorene	19	0.50	20.00	0	95.4	38.4	116			
Phenanthrene	20	0.50	20.00	0	97.9	42.3	118			
Anthracene	20	0.50	20.00	0	98.1	42.2	117			
Fluoranthene	21	0.50	20.00	0	106	42.5	118			
Pyrene	21	0.50	20.00	0	104	40.8	121			
Benz(a)anthracene	20	0.50	20.00	0	98.7	43	118			
Chrysene	12	0.50	20.00	0	59.2	39.4	119			
Benzo(b)fluoranthene	21	0.50	20.00	0	104	47.8	115			
Benzo(k)fluoranthene	20	0.50	20.00	0	98.2	40.5	120			
Benzo(a)pyrene	19	0.50	20.00	0	97.1	41.5	115			
Dibenz(a,h)anthracene	19	0.50	20.00	0	93.5	48.6	115			
Benzo(g,h,i)perylene	21	0.50	20.00	0	106	42	119			
Indeno(1,2,3-cd)pyrene	21	0.50	20.00	0	103	42.9	118			
Surr: N-hexadecane	69		87.60		78.9	18.7	145			
Surr: Benzo(e)pyrene	19		20.00		93.7	28.2	137			

Sample ID lcsd-36978	SampType: LCSD	TestCode: EPA Method 8270C: PAHs							
Client ID: LCSS02	Batch ID: 36978	RunNo: 49880							
Prep Date: 3/13/2018	Analysis Date: 3/15/2018	SeqNo: 1614454	Units: µg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	10	0.50	20.00	0	50.5	28.6	113	56.2	40.7	R
1-Methylnaphthalene	10	0.50	20.00	0	51.4	27	113	59.9	38.4	R
2-Methylnaphthalene	9.9	0.50	20.00	0	49.7	26.3	112	57.7	25.5	R
Acenaphthylene	11	0.50	20.00	0	56.5	36.2	114	43.3	34.1	R
Acenaphthene	11	0.50	20.00	0	56.8	35.6	116	44.4	32.1	R
Fluorene	12	0.50	20.00	0	60.1	38.4	116	45.4	28	R
Phenanthrene	13	0.50	20.00	0	64.3	42.3	118	41.4	37.4	R
Anthracene	13	0.50	20.00	0	66.2	42.2	117	38.8	36.2	R
Fluoranthene	14	0.50	20.00	0	68.9	42.5	118	42.8	26.6	R
Pyrene	13	0.50	20.00	0	64.4	40.8	121	46.8	26.8	R
Benz(a)anthracene	13	0.50	20.00	0	65.7	43	118	40.1	25.1	R
Chrysene	13	0.50	20.00	0	63.9	39.4	119	7.64	23.3	
Benzo(b)fluoranthene	14	0.50	20.00	0	68.4	47.8	115	41.5	22.5	R

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
PQL	Practical Quanitative Limit	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#: 1803601

27-Mar-18

Client: Souder, Miller and Associates

Project: Chaco

Sample ID	lcsd-36978	SampType:	LCSD	TestCode:	EPA Method 8270C: PAHs					
Client ID:	LCSS02	Batch ID:	36978	RunNo:	49880					
Prep Date:	3/13/2018	Analysis Date:	3/15/2018	SeqNo:	1614454	Units:	µg/L			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	14	0.50	20.00	0	69.7	40.5	120	33.9	30.9	R
Benzo(a)pyrene	13	0.50	20.00	0	63.9	41.5	115	41.2	23.2	R
Dibenz(a,h)anthracene	14	0.50	20.00	0	68.2	48.6	115	31.3	26.5	R
Benzo(g,h,i)perylene	14	0.50	20.00	0	68.1	42	119	43.3	30.7	R
Indeno(1,2,3-cd)pyrene	14	0.50	20.00	0	68.6	42.9	118	40.0	25.4	R
Surr: N-hexadecane	32		87.60		36.8	18.7	145	0	0	
Surr: Benzo(e)pyrene	18		20.00		87.9	28.2	137	0	0	

Sample ID	mb-36978	SampType:	MBLK	TestCode:	EPA Method 8270C: PAHs					
Client ID:	PBW	Batch ID:	36978	RunNo:	49880					
Prep Date:	3/13/2018	Analysis Date:	3/15/2018	SeqNo:	1614455	Units:	µg/L			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	ND	0.50								
1-Methylnaphthalene	ND	0.50								
2-Methylnaphthalene	ND	0.50								
Acenaphthylene	ND	0.50								
Acenaphthene	ND	0.50								
Fluorene	ND	0.50								
Phenanthrene	ND	0.50								
Anthracene	ND	0.50								
Fluoranthene	ND	0.50								
Pyrene	ND	0.50								
Benz(a)anthracene	ND	0.50								
Chrysene	ND	0.50								
Benzo(b)fluoranthene	ND	0.50								
Benzo(k)fluoranthene	ND	0.50								
Benzo(a)pyrene	ND	0.50								
Dibenz(a,h)anthracene	ND	0.50								
Benzo(g,h,i)perylene	ND	0.50								
Indeno(1,2,3-cd)pyrene	ND	0.50								
Surr: N-hexadecane	56		87.60		63.4	18.7	145			
Surr: Benzo(e)pyrene	15		20.00		75.6	28.2	137			

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
PQL	Practical Quanitative Limit	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#: 1803601

27-Mar-18

Client: Souder, Miller and Associates

Project: Chaco

Sample ID	MB-37099	SampType:	MBLK	TestCode:	EPA Method 7470: Mercury					
Client ID:	PBW	Batch ID:	37099	RunNo:	49907					
Prep Date:	3/19/2018	Analysis Date:	3/19/2018	SeqNo:	1615564	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.00020								

Sample ID	LCS-37099	SampType:	LCS	TestCode:	EPA Method 7470: Mercury					
Client ID:	LCSW	Batch ID:	37099	RunNo:	49907					
Prep Date:	3/19/2018	Analysis Date:	3/19/2018	SeqNo:	1615579	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0046	0.00020	0.005000	0	91.3	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
PQL	Practical Quanitative Limit	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#: 1803601

27-Mar-18

Client: Souder, Miller and Associates

Project: Chaco

Sample ID	MB-37055	SampType:	MBLK	TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	PBW	Batch ID:	37055	RunNo:	49969				
Prep Date:	3/15/2018	Analysis Date:	3/21/2018	SeqNo:	1617934	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								
Lead	ND	0.0050								
Selenium	ND	0.050								
Silver	ND	0.0050								

Sample ID	LCS-37055	SampType:	LCS	TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	LCSW	Batch ID:	37055	RunNo:	49969				
Prep Date:	3/15/2018	Analysis Date:	3/21/2018	SeqNo:	1617936	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	0.52	0.020	0.5000	0	105	80	120			
Cadmium	0.53	0.0020	0.5000	0	106	80	120			
Chromium	0.51	0.0060	0.5000	0	103	80	120			
Lead	0.49	0.0050	0.5000	0	97.4	80	120			
Selenium	0.53	0.050	0.5000	0	106	80	120			
Silver	0.10	0.0050	0.1000	0	105	80	120			

Sample ID	MB-37055	SampType:	MBLK	TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	PBW	Batch ID:	37055	RunNo:	49969				
Prep Date:	3/15/2018	Analysis Date:	3/21/2018	SeqNo:	1617983	Units:	mg/L		

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

Sample ID	LCS-37055	SampType:	LCS	TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	LCSW	Batch ID:	37055	RunNo:	49969				
Prep Date:	3/15/2018	Analysis Date:	3/21/2018	SeqNo:	1617985	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.52	0.020	0.5000	0	105	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
PQL	Practical Quanitative Limit	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

Sample Log-In Check List

Client Name: SMA-FARM Work Order Number: 1803601 RcptNo: 1

Received By: Isaiah Ortiz 3/10/2018 8:00:00 AM

Completed By: Anne Thorne 3/12/2018 11:09:30 AM

Reviewed By: ZMD 3/12/18

Chain of Custody

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

Log In

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

# of preserved bottles checked for pH: 1 2 (<2 or >12 unless noted)

Adjusted?

Checked by: AT 03/12/18

Special Handling (if applicable)

15. 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:

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.4	Good	Yes			

Chain-of-Custody Record

Client: SMA

Mailing Address: 401 W Broadway
Farmington, NM 87401

Phone #: 505-325-7535

email or Fax#: Ashley Maxwell

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

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: Chaco

Project #: Chaco Non Exempt

Project Manager: Ashley Maxwell

Sampler: RW

On Ice: ☒ Yes ☐ No

Sample Temperature: 0.1

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. 1803601	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) RCI				Air Bubbles (Y or N)
3-8-18	10:32	Aqueous	Chaco Non Exempt	Various	Various	001						X	X			X	X				

Date: 3/9/18 Time: 1600 Relinquished by: [signature]
Received by: [signature] Date: 3/9/18 Time: 1610

Date: 3/9/18 Time: 1804 Relinquished by: [signature]
Received by: [signature] Date: 3/10/18 Time: 800

Remarks: 8260 Full List Report.
TCLP Compound at TCLP Limits
Invoice Enterprise, CC: TomLong

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.

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:
MAPL Dolores Pumping Station

3. Location of Material (Street Address, City, State or ULSTR):
SE ¼ Section 31 Township 37 North Range 15 West; 38.7416799, -108.433635

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 yd³ / bbls Known Volume (to be entered by the operator at the end of the haul) _____ 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 Agua Moss, LLC 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: 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: Travis Gibson TITLE: Foreman DATE: 12-19-18
SIGNATURE: Electronic TELEPHONE NO.: (505) 307-6974
Surface Waste Management Facility Authorized Agent

envirotech
Analytical Laboratory

Analytical Report

Report Summary

Client: Enterprise Products
Chain Of Custody Number:
Samples Received: 4/12/2018 4:30:00PM
Job Number: 97057-0904
Work Order: P804028
Project Name/Location: Water Sampling @ Dolores Plant

Report Reviewed By:

Walter Hinchman, Laboratory Director — Date: 4/24/18

Tim Cain, Project Manager — Date: 4/24/18

NELAP ACCREDITED TNI LABORATORY

Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.
Envirotech, Inc, currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.

envirotech
Analytical Laboratory

Enterprise Products	Project Name:	Water Sampling @ Dolores Plant	
614 Reilly Ave	Project Number:	97057-0904	**Reported:**
Farmington NM, 87401	Project Manager:	Felipe Aragon	24-Apr-18 10:00

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Dolores Station	P804028-01A	Aqueous	04/12/18	04/12/18	Amber, 1L
	P804028-01B	Aqueous	04/12/18	04/12/18	Amber, 1L
	P804028-01C	Aqueous	04/12/18	04/12/18	VOA Vial, 40mL
	P804028-01D	Aqueous	04/12/18	04/12/18	VOA Vial, 40mL
	P804028-01E	Aqueous	04/12/18	04/12/18	VOA Vial, 40mL
	P804028-01F	Aqueous	04/12/18	04/12/18	VOA Vial, 40mL; HCl
	P804028-01G	Aqueous	04/12/18	04/12/18	VOA Vial, 40mL; HCl
	P804028-01H	Aqueous	04/12/18	04/12/18	VOA Vial, 40mL; HCl
	P804028-01I	Aqueous	04/12/18	04/12/18	Poly 250mL

envirotech
Analytical Laboratory

Enterprise Products	Project Name:	Water Sampling @ Dolores Plant	
614 Reilly Ave	Project Number:	97057-0904	**Reported:**
Farmington NM, 87401	Project Manager:	Felipe Aragon	24-Apr-18 10:00

Dolores Station
P804028-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TCLP Volatile Organic Compounds by 8260									
Vinyl chloride	ND	0.0100	mg/L	10	1816018	04/19/18	04/19/18	EPA 8260B	
1,1-Dichloroethene	ND	0.0100	mg/L	10	1816018	04/19/18	04/19/18	EPA 8260B	
2-Butanone (MEK)	ND	0.200	mg/L	10	1816018	04/19/18	04/19/18	EPA 8260B	
Chloroform	ND	0.100	mg/L	10	1816018	04/19/18	04/19/18	EPA 8260B	
Carbon Tetrachloride	ND	0.0100	mg/L	10	1816018	04/19/18	04/19/18	EPA 8260B	
Benzene	ND	0.0100	mg/L	10	1816018	04/19/18	04/19/18	EPA 8260B	
1,2-Dichloroethane	ND	0.0100	mg/L	10	1816018	04/19/18	04/19/18	EPA 8260B	
Trichloroethene	ND	0.0100	mg/L	10	1816018	04/19/18	04/19/18	EPA 8260B	
Tetrachloroethene	ND	0.0100	mg/L	10	1816018	04/19/18	04/19/18	EPA 8260B	
Chlorobenzene	ND	0.0100	mg/L	10	1816018	04/19/18	04/19/18	EPA 8260B	
1,4-Dichlorobenzene	ND	0.0100	mg/L	10	1816018	04/19/18	04/19/18	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*94.8 %*		*70-130*	*1816018*	*04/19/18*	*04/19/18*	*EPA 8260B*	
Surrogate: Toluene-d8		*103 %*		*70-130*	*1816018*	*04/19/18*	*04/19/18*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*108 %*		*70-130*	*1816018*	*04/19/18*	*04/19/18*	*EPA 8260B*	
TCLP Metals									
Arsenic	ND	0.20	mg/L	10	1816001	04/17/18	04/19/18	EPA 6010C	
Barium	ND	2.50	mg/L	10	1816001	04/17/18	04/19/18	EPA 6010C	
Cadmium	ND	0.10	mg/L	10	1816001	04/17/18	04/19/18	EPA 6010C	
Chromium	ND	0.20	mg/L	10	1816001	04/17/18	04/19/18	EPA 6010C	
Lead	ND	0.10	mg/L	10	1816001	04/17/18	04/19/18	EPA 6010C	
Selenium	ND	0.50	mg/L	10	1816001	04/17/18	04/19/18	EPA 6010C	
Silver	ND	0.10	mg/L	10	1816001	04/17/18	04/19/18	EPA 6010C	
Corrosivity									
pH @25°C	**7.45**		pH Units	1	1816009	04/17/18 09:05	04/17/18 11:38	9045D/9040 C	H1

envirotech
Analytical Laboratory

Enterprise Products	Project Name:	Water Sampling @ Dolores Plant	
614 Reilly Ave	Project Number:	97057-0904	**Reported:**
Farmington NM, 87401	Project Manager:	Felipe Aragon	24-Apr-18 10:00

Dolores Station
P804028-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Waste Characteristic									
Flash Point	>95		°C	1	1816021	04/19/18	04/19/18	ASTM D93-10a	FP2
Reactivity	Negative		N/A	1	1816024	04/19/18	04/19/18	NA**	
TCLP Mercury by EPA 7470A									
Mercury	ND	0.00020	mg/L	1	1816013	04/18/18	04/19/18	EPA 7470A	

envirotech
Analytical Laboratory

Enterprise Products	Project Name:	Water Sampling @ Dolores Plant	
614 Reilly Ave	Project Number:	97057-0904	**Reported:**
Farmington NM, 87401	Project Manager:	Felipe Aragon	24-Apr-18 10:00

TCLP Volatile Organic Compounds by 8260 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1816018 - Purge and Trap EPA 5030A										
Blank (1816018-BLK1)				Prepared & Analyzed: 19-Apr-18						
Vinyl chloride	ND	0.0010	mg/L							
1,1-Dichloroethene	ND	0.0010	"							
2-Butanone (MEK)	ND	0.0200	"							
Chloroform	ND	0.0100	"							
Carbon Tetrachloride	ND	0.0010	"							
Benzene	ND	0.0010	"							
1,2-Dichloroethane	ND	0.0010	"							
Trichloroethene	ND	0.0010	"							
Tetrachloroethene	ND	0.0010	"							
Chlorobenzene	ND	0.0010	"							
1,4-Dichlorobenzene	ND	0.0010	"							
Surrogate: 1,2-Dichloroethane-d4	*0.00980*		"	*0.0100*		*98.0*	*70-130*			
Surrogate: Toluene-d8	*0.0101*		"	*0.0100*		*101*	*70-130*			
Surrogate: Bromofluorobenzene	*0.0111*		"	*0.0100*		*111*	*70-130*			
LCS (1816018-BS1)				Prepared & Analyzed: 19-Apr-18						
Vinyl chloride	0.0484	0.0010	mg/L	0.0500		96.8	80-120			
1,1-Dichloroethene	0.0471	0.0010	"	0.0500		94.2	80-120			
2-Butanone (MEK)	0.0930	0.0200	"	0.100		93.0	45-165			
Chloroform	0.0499	0.0100	"	0.0500		99.9	80-120			
Carbon Tetrachloride	0.0497	0.0010	"	0.0500		99.4	70-130			
Benzene	0.0519	0.0010	"	0.0500		104	70-130			
1,2-Dichloroethane	0.0487	0.0010	"	0.0500		97.4	70-130			
Trichloroethene	0.0535	0.0010	"	0.0500		107	70-130			
Tetrachloroethene	0.0501	0.0010	"	0.0500		100	70-130			
Chlorobenzene	0.0473	0.0010	"	0.0500		94.7	70-130			
1,4-Dichlorobenzene	0.0479	0.0010	"	0.0500		95.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.00952*		"	*0.0100*		*95.2*	*70-130*			
Surrogate: Toluene-d8	*0.0104*		"	*0.0100*		*104*	*70-130*			
Surrogate: Bromofluorobenzene	*0.0106*		"	*0.0100*		*106*	*70-130*			
Matrix Spike (1816018-MS1)	**Source: P804028-01**			Prepared & Analyzed: 19-Apr-18						
Vinyl chloride	0.476	0.0100	mg/L	0.500	ND	95.3	44-143			
1,1-Dichloroethene	0.479	0.0100	"	0.500	ND	95.9	49-144			
2-Butanone (MEK)	0.993	0.200	"	1.00	ND	99.3	40-170			
Chloroform	0.504	0.100	"	0.500	ND	101	66-133			
Carbon Tetrachloride	0.505	0.0100	"	0.500	ND	101	61-139			
Benzene	0.526	0.0100	"	0.500	ND	105	59-133			
1,2-Dichloroethane	0.489	0.0100	"	0.500	ND	97.9	62-138			
Trichloroethene	0.480	0.0100	"	0.500	ND	96.1	49-148			
Tetrachloroethene	0.498	0.0100	"	0.500	ND	99.7	57-141			

envirotech
Analytical Laboratory

Enterprise Products	Project Name:	Water Sampling @ Dolores Plant	
614 Reilly Ave	Project Number:	97057-0904	**Reported:**
Farmington NM, 87401	Project Manager:	Felipe Aragon	24-Apr-18 10:00

TCLP Volatile Organic Compounds by 8260 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1816018 - Purge and Trap EPA 5030A										
Matrix Spike (1816018-MS1)	**Source: P804028-01**			Prepared & Analyzed: 19-Apr-18						
Chlorobenzene	0.470	0.0100	mg/L	0.500	ND	94.1	70-130			
1,4-Dichlorobenzene	0.484	0.0100	"	0.500	ND	96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0951*		"	*0.100*		*95.1*	*70-130*			
Surrogate: Toluene-d8	*0.103*		"	*0.100*		*103*	*70-130*			
Surrogate: Bromofluorobenzene	*0.109*		"	*0.100*		*109*	*70-130*			
Matrix Spike Dup (1816018-MSD1)	**Source: P804028-01**			Prepared & Analyzed: 19-Apr-18						
Vinyl chloride	0.464	0.0100	mg/L	0.500	ND	92.9	44-143	2.57	30	
1,1-Dichloroethene	0.459	0.0100	"	0.500	ND	91.9	49-144	4.24	20	
2-Butanone (MEK)	0.957	0.200	"	1.00	ND	95.8	40-170	3.61	30	
Chloroform	0.487	0.100	"	0.500	ND	97.3	66-133	3.45	20	
Carbon Tetrachloride	0.494	0.0100	"	0.500	ND	98.9	61-139	2.14	20	
Benzene	0.513	0.0100	"	0.500	ND	103	59-133	2.58	20	
1,2-Dichloroethane	0.478	0.0100	"	0.500	ND	95.6	62-138	2.38	20	
Trichloroethene	0.472	0.0100	"	0.500	ND	94.4	49-148	1.85	20	
Tetrachloroethene	0.483	0.0100	"	0.500	ND	96.6	57-141	3.08	20	
Chlorobenzene	0.462	0.0100	"	0.500	ND	92.3	70-130	1.91	20	
1,4-Dichlorobenzene	0.470	0.0100	"	0.500	ND	94.0	70-130	2.96	20	
Surrogate: 1,2-Dichloroethane-d4	*0.0960*		"	*0.100*		*96.0*	*70-130*			
Surrogate: Toluene-d8	*0.103*		"	*0.100*		*103*	*70-130*			
Surrogate: Bromofluorobenzene	*0.109*		"	*0.100*		*109*	*70-130*			

envirotech
Analytical Laboratory

Enterprise Products	Project Name:	Water Sampling @ Dolores Plant	
614 Reilly Ave	Project Number:	97057-0904	**Reported:**
Farmington NM, 87401	Project Manager:	Felipe Aragon	24-Apr-18 10:00

TCLP Metals - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1816001 - Metals Water Hotblock Digestion EPA 3010A/200.2										
Blank (1816001-BLK1)				Prepared: 16-Apr-18 Analyzed: 17-Apr-18						
Arsenic	ND	0.02	mg/L							
Barium	ND	0.25	"							
Cadmium	ND	0.01	"							
Chromium	ND	0.02	"							
Lead	ND	0.01	"							
Selenium	ND	0.05	"							
Silver	ND	0.01	"							
LCS (1816001-BS1)				Prepared: 16-Apr-18 Analyzed: 17-Apr-18						
Arsenic	0.91	0.02	mg/L	1.00		90.8	80-120			
Barium	20.5	0.25	"	25.0		82.0	80-120			
Cadmium	0.91	0.01	"	1.00		91.3	80-120			
Chromium	0.96	0.02	"	1.00		96.3	80-120			
Lead	0.91	0.01	"	1.00		90.8	80-120			
Selenium	0.89	0.05	"	1.00		89.1	80-120			
Silver	0.09	0.01	"	0.100		91.3	80-120			
Matrix Spike (1816001-MS1)	**Source: P804025-01**			Prepared: 16-Apr-18 Analyzed: 17-Apr-18						
Arsenic	9.65	0.20	mg/L	10.0	ND	96.5	75-125			
Barium	216	2.50	"	250	ND	86.6	75-125			
Cadmium	9.54	0.10	"	10.0	ND	95.4	75-125			
Chromium	9.93	0.20	"	10.0	ND	99.3	75-125			
Lead	9.36	0.10	"	10.0	ND	93.6	75-125			
Selenium	9.42	0.50	"	10.0	ND	94.2	75-125			
Silver	0.95	0.10	"	1.00	ND	95.0	75-125			
Matrix Spike Dup (1816001-MSD1)	**Source: P804025-01**			Prepared: 16-Apr-18 Analyzed: 17-Apr-18						
Arsenic	10.0	0.20	mg/L	10.0	ND	100	75-125	3.80	20	
Barium	222	2.50	"	250	ND	88.8	75-125	2.51	20	
Cadmium	9.87	0.10	"	10.0	ND	98.7	75-125	3.37	20	
Chromium	10.2	0.20	"	10.0	ND	102	75-125	3.05	20	
Lead	9.60	0.10	"	10.0	ND	96.0	75-125	2.44	20	
Selenium	9.73	0.50	"	10.0	ND	97.3	75-125	3.23	20	
Silver	0.97	0.10	"	1.00	ND	97.2	75-125	2.29	20	

envirotech
Analytical Laboratory

Enterprise Products	Project Name:	Water Sampling @ Dolores Plant	
614 Reilly Ave	Project Number:	97057-0904	**Reported:**
Farmington NM, 87401	Project Manager:	Felipe Aragon	24-Apr-18 10:00

Corrosivity - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1816009 - Wet Chemistry Preparation										
LCS (1816009-BS1)				Prepared & Analyzed: 17-Apr-18						
pH	7.99		pH Units	8.00		99.9	98.75-101.25			
Duplicate (1816009-DUP1)		**Source: P804023-01**		Prepared & Analyzed: 17-Apr-18						
pH	7.70		pH Units		7.66			0.521	20	

envirotech
Analytical Laboratory

Enterprise Products	Project Name:	Water Sampling @ Dolores Plant	
614 Reilly Ave	Project Number:	97057-0904	**Reported:**
Farmington NM, 87401	Project Manager:	Felipe Aragon	24-Apr-18 10:00

Waste Characteristic - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1816021 - Wet Chemistry Preparation										
LCS (1816021-BS1)				Prepared & Analyzed: 19-Apr-18						
Flash Point	88		°C	86.0		103	95-105			
Duplicate (1816021-DUP1)	**Source: P804028-01**			Prepared & Analyzed: 19-Apr-18						
Flash Point	0		°C		>95				20	

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com
laboratory@envirotech-inc.com

envirotech
Analytical Laboratory

Enterprise Products	Project Name:	Water Sampling @ Dolores Plant	
614 Reilly Ave	Project Number:	97057-0904	**Reported:**
Farmington NM, 87401	Project Manager:	Felipe Aragon	24-Apr-18 10:00

TCLP Mercury by EPA 7470A - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1816013 - Mercury Water Digestion KMNO4										
Blank (1816013-BLK1)				Prepared: 18-Apr-18 Analyzed: 19-Apr-18						
Mercury	ND	0.00020	mg/L							
LCS (1816013-BS1)				Prepared: 18-Apr-18 Analyzed: 19-Apr-18						
Mercury	0.00210	0.00020	mg/L	0.00200		105	80-120			
Matrix Spike (1816013-MS1)		**Source: P804025-01**		Prepared: 18-Apr-18 Analyzed: 19-Apr-18						
Mercury	0.00194	0.00020	mg/L	0.00200	0.00020	86.9	75-125			
Matrix Spike Dup (1816013-MSD1)		**Source: P804025-01**		Prepared: 18-Apr-18 Analyzed: 19-Apr-18						
Mercury	0.00188	0.00020	mg/L	0.00200	0.00020	83.9	75-125	3.17	20	

envirotech
Analytical Laboratory

Enterprise Products	Project Name:	Water Sampling @ Dolores Plant	
614 Reilly Ave	Project Number:	97057-0904	**Reported:**
Farmington NM, 87401	Project Manager:	Felipe Aragon	24-Apr-18 10:00

Notes and Definitions

H1	Sample was received after regulatory hold-time exceeded for target analyte.
FP2	Halted - Boiled at 90 deg C
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
**	Methods marked with ** are non-accredited methods.

Project Information | Chain of Custody | Page 1 of ___

Client: Enterprise Product
Project: Water Samples @ Dolores Plant
Project Manager:
Address:
City, State, Zip
Phone:
Email: BHall EHagan GCrabtree Admin

Report Attention
Report due by:
Attention:
Address:
City, State, Zip
Phone:
Email:

Lab Use Only — Lab WO#: P 804028 — Job Number: 97057-0004 (corrected)

TAT: 1D | 3D

EPA Program: RCRA | CWA | SDWA

State: NM | CO (X) | UT | AZ

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TPH 418.1	8270	ECT			Remarks
1424	4/12/18	A	9	Dolores Station	1				X	X			X	X			2-1L amber, 3-VOA, 3 VOA w/ HCl, 1-250 poly

Additional Instructions: TCLP per Greg 4/12/18 TC — Via ice in cooler

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Britt Hau

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Brittany Hau	4/12/18	1630	[signature]	4/12/18	1630
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y)/ N
T1 ___ T2 ___ T3 ___
AVG Temp °C 4.0

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other ________

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboraotry is limited to the amount paid for on the report.

ANALYTICAL REPORT

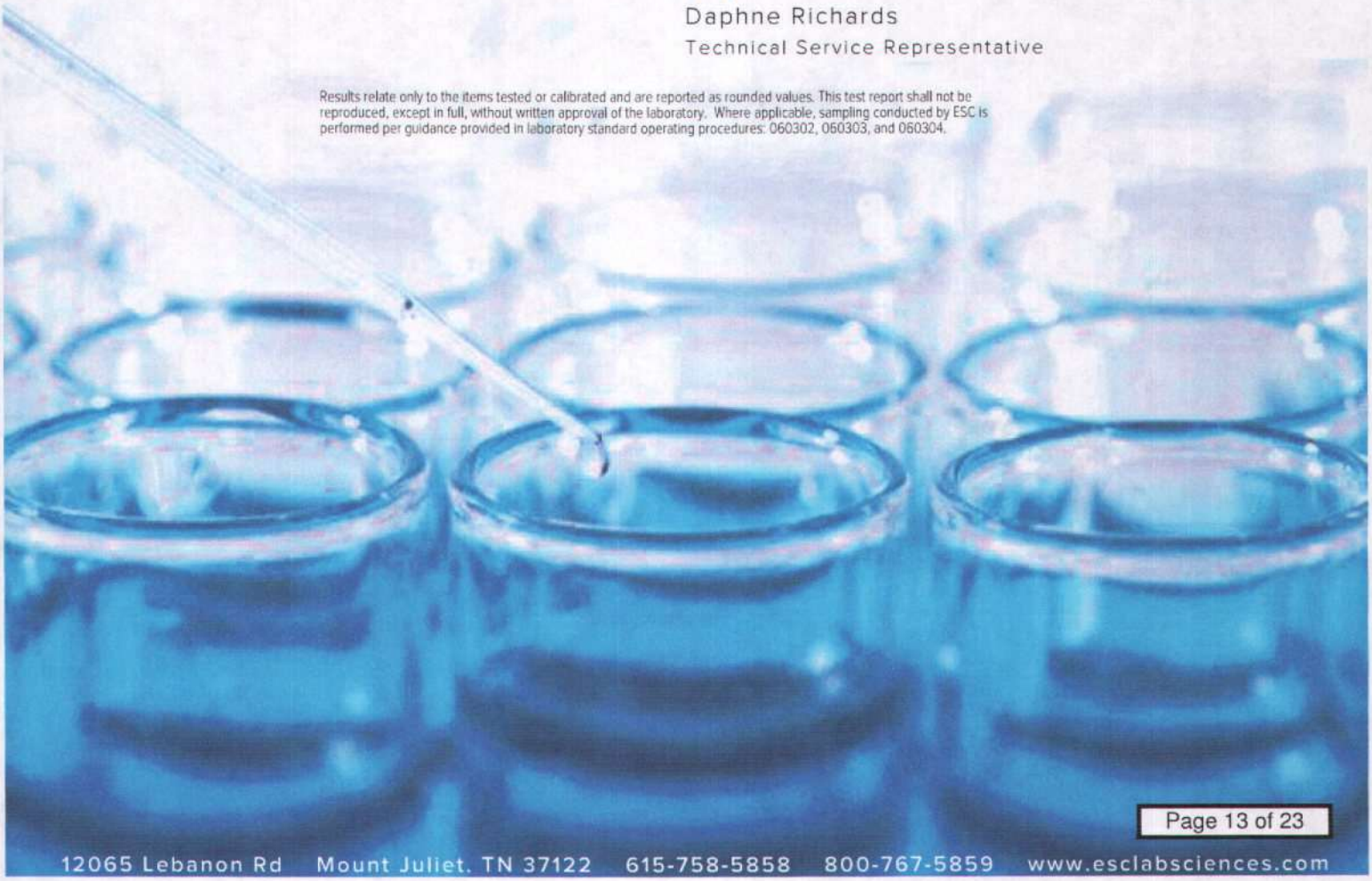
April 23, 2018

EnviroTech- NM

Sample Delivery Group:	L985875
Samples Received:	04/14/2018
Project Number:	97057-0904
Description:	Water Sampling Delores Plant
Site:	P804028
Report To:	Tim Cain and Lynn Estes 5796 US. Highway 64 Farmington, NM 87401

Entire Report Reviewed By: Daphne R Richards

Daphne Richards
Technical Service Representative



12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.esclabsciences.com

TABLE OF CONTENTS

SAMPLE SUMMARY

DELORES STATION L985875-01 Waste

			Collected by	Collected date/time	Received date/time
			B. Hall	04/12/18 14:26	04/14/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Preparation by Method 1311	WG1098807	1	04/16/18 12:05	04/16/18 12:05	RT
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1099359	1	04/18/18 23:14	04/19/18 21:38	AO

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Daphne R Richards

Daphne Richards
Technical Service Representative

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		4/16/2018 12:05:20 PM	WG1098807
Fluid	1		4/16/2018 12:05:20 PM	WG1098807
Initial pH	6.50		4/16/2018 12:05:20 PM	WG1098807
Final pH	5.04		4/16/2018 12:05:20 PM	WG1098807

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	ND		0.100	7.50	1	04/19/2018 21:38	WG1099359
2,4-Dinitrotoluene	ND		0.100	0.13	1	04/19/2018 21:38	WG1099359
Hexachlorobenzene	ND		0.100	0.13	1	04/19/2018 21:38	WG1099359
Hexachloro-1,3-butadiene	ND		0.100	0.50	1	04/19/2018 21:38	WG1099359
Hexachloroethane	ND		0.100	3	1	04/19/2018 21:38	WG1099359
Nitrobenzene	ND		0.100	2	1	04/19/2018 21:38	WG1099359
Pyridine	ND		0.100	5	1	04/19/2018 21:38	WG1099359
3&4-Methyl Phenol	ND		0.100	400	1	04/19/2018 21:38	WG1099359
2-Methylphenol	ND		0.100	200	1	04/19/2018 21:38	WG1099359
Pentachlorophenol	ND		0.100	100	1	04/19/2018 21:38	WG1099359
2,4,5-Trichlorophenol	ND		0.100	400	1	04/19/2018 21:38	WG1099359
2,4,6-Trichlorophenol	ND		0.100	2	1	04/19/2018 21:38	WG1099359
(S) 2-Fluorophenol	*48.6*		*10.0-120*	*120*		*04/19/2018 21:38*	WG1099359
(S) Phenol-d5	*36.2*		*10.0-120*	*120*		*04/19/2018 21:38*	WG1099359
(S) Nitrobenzene-d5	*60.5*		*10.0-126*	*126*		*04/19/2018 21:38*	WG1099359
(S) 2-Fluorobiphenyl	*61.0*		*22.0-127*	*127*		*04/19/2018 21:38*	WG1099359
(S) 2,4,6-Tribromophenol	*67.3*		*10.0-153*	*153*		*04/19/2018 21:38*	WG1099359
(S) p-Terphenyl-d14	*86.7*		*29.0-141*	*141*		*04/19/2018 21:38*	WG1099359

Method Blank (MB)

(MB) R3303266-1 04/19/18 16:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,4-Dichlorobenzene	U		0.0333	0.100
2,4-Dinitrotoluene	U		0.0333	0.100
Hexachlorobenzene	U		0.0333	0.100
Hexachloro-1,3-butadiene	U		0.0333	0.100
Hexachloroethane	U		0.0333	0.100
Nitrobenzene	U		0.0333	0.100
Pyridine	U		0.0333	0.100
2-Methylphenol	U		0.0333	0.100
3&4-Methyl Phenol	U		0.0333	0.100
Pentachlorophenol	U		0.0333	0.100
2,4,5-Trichlorophenol	U		0.0333	0.100
2,4,6-Trichlorophenol	U		0.0333	0.100
(S) Nitrobenzene-d5	*56.8*			*10.0-126*
(S) 2-Fluorobiphenyl	*58.1*			*22.0-127*
(S) p-Terphenyl-d14	*75.0*			*29.0-141*
(S) Phenol-d5	*37.8*			*10.0-120*
(S) 2-Fluorophenol	*51.5*			*10.0-120*
(S) 2,4,6-Tribromophenol	*65.1*			*10.0-153*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3303266-2 04/19/18 15:04 • (LCSD) R3303266-3 04/19/18 15:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,4-Dichlorobenzene	0.0500	0.0305	0.0317	61.0	63.3	26.0-120			3.77	30
2,4-Dinitrotoluene	0.0500	0.0418	0.0417	83.6	83.3	47.0-127			0.293	21
Hexachlorobenzene	0.0500	0.0370	0.0396	74.0	79.1	41.0-124			6.62	21
Hexachloro-1,3-butadiene	0.0500	0.0287	0.0292	57.4	58.4	26.0-120			1.66	31
Hexachloroethane	0.0500	0.0315	0.0325	63.0	64.9	22.0-120			3.02	34
Nitrobenzene	0.0500	0.0318	0.0321	63.6	64.2	31.0-120			0.863	28
Pyridine	0.0500	0.0134	0.0138	26.8	27.5	10.0-120			2.58	39
2-Methylphenol	0.0500	0.0324	0.0339	64.9	67.9	26.0-120			4.47	27
3&4-Methyl Phenol	0.0500	0.0363	0.0387	72.6	77.4	27.0-120			6.32	28
Pentachlorophenol	0.0500	0.0357	0.0374	71.4	74.7	20.0-126			4.55	32
2,4,5-Trichlorophenol	0.0500	0.0400	0.0413	80.0	82.7	44.0-124			3.24	24
2,4,6-Trichlorophenol	0.0500	0.0398	0.0390	79.6	78.1	40.0-122			2.02	24
(S) Nitrobenzene-d5				*63.4*	*65.7*	*10.0-126*				
(S) 2-Fluorobiphenyl				*72.8*	*73.0*	*22.0-127*				
(S) p-Terphenyl-d14				*82.7*	*83.0*	*29.0-141*				

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3303266-2 04/19/18 15:04 • (LCSD) R3303266-3 04/19/18 15:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
(S) Phenol-d5				*41.8*	*42.9*	*10.0-120*				
(S) 2-Fluorophenol				*58.6*	*58.7*	*10.0-120*				
(S) 2,4,6-Tribromophenol				*77.5*	*84.1*	*10.0-153*				

L985050-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L985050-02 04/19/18 17:32 • (MS) R3303266-4 04/19/18 17:56 • (MSD) R3303266-5 04/19/18 18:21

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,4-Dichlorobenzene	0.500	ND	0.270	0.258	54.0	51.6	1	12.0-125			4.56	23
2,4-Dinitrotoluene	0.500	ND	0.424	0.362	84.9	72.3	1	30.0-156			16.0	29
Hexachlorobenzene	0.500	ND	0.385	0.325	77.0	65.0	1	29.0-144			16.9	33
Hexachloro-1,3-butadiene	0.500	ND	0.267	0.238	53.4	47.7	1	18.0-122			11.3	35
Hexachloroethane	0.500	ND	0.271	0.258	54.1	51.7	1	12.0-120			4.56	36
Nitrobenzene	0.500	ND	0.292	0.261	58.4	52.1	1	14.0-134			11.3	32
Pyridine	0.500	ND	0.134	0.123	26.8	24.7	1	10.0-120			8.15	40
2-Methylphenol	0.500	ND	0.301	0.273	60.2	54.6	1	14.0-120			9.86	29
3&4-Methyl Phenol	0.500	ND	0.345	0.315	69.0	62.9	1	13.0-124			9.14	26
Pentachlorophenol	0.500	ND	0.399	0.325	79.8	65.0	1	10.0-160			20.4	40
2,4,5-Trichlorophenol	0.500	ND	0.408	0.357	81.6	71.5	1	15.0-160			13.2	27
2,4,6-Trichlorophenol	0.500	ND	0.397	0.338	79.4	67.6	1	10.0-153			16.0	29
(S) Nitrobenzene-d5					*57.7*	*52.2*		*10.0-126*				
(S) 2-Fluorobiphenyl					*65.4*	*58.9*		*22.0-127*				
(S) p-Terphenyl-d14					*83.6*	*72.9*		*29.0-141*				
(S) Phenol-d5					*40.3*	*36.9*		*10.0-120*				
(S) 2-Fluorophenol					*51.8*	*49.9*		*10.0-120*				
(S) 2,4,6-Tribromophenol					*82.9*	*67.0*		*10.0-153*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

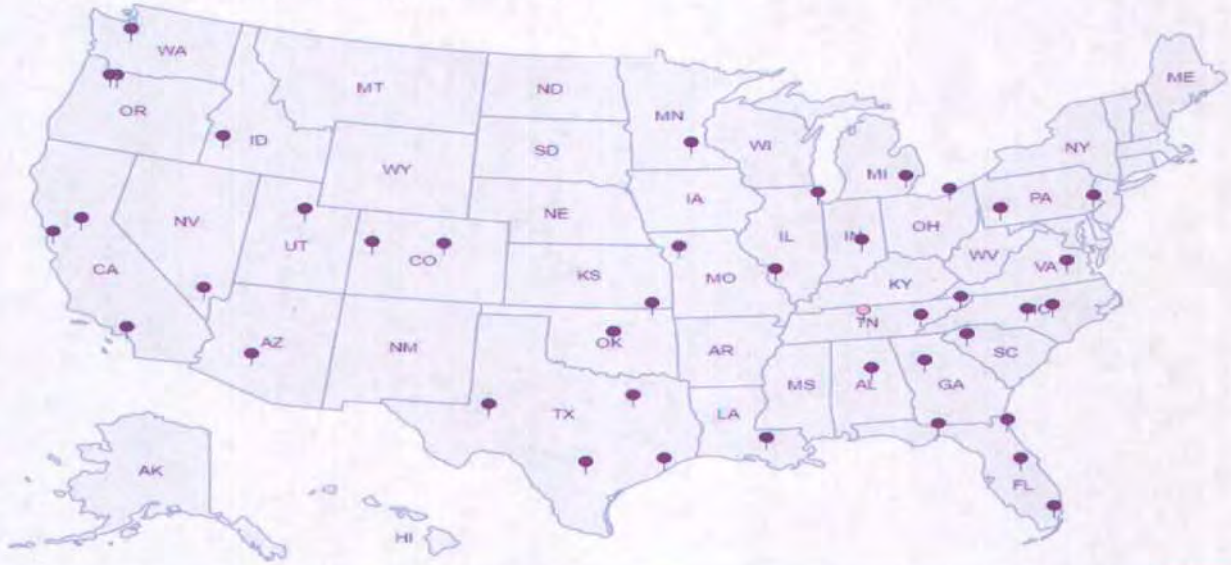
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



EnviroTech- NM

5796 US. Highway 64
Farmington, NM 87401

Billing Information:

Doris Moore
5796 US. Highway 64
Farmington, NM 87401

Report to: Tim + Irene

Email To: Tim + Irene

Project Description: Water Sampling @ Delores Plant

City/State Collected:

Phone: 505-632-0615
Fax:

Client Project # 97057-0904

Lab Project #

Collected by (print): B Hall

Site/Facility ID # P804028

P.O. # 144826

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No ___Yes
FAX? ___No ___Yes

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
Delores Station		A		4/12/18	1426	2

Analysis / Container / Preservative

TCLP SVOC 8270 2/1Glass X

Chain of Custody Page 1 of 1

ESC LABS
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 905875

G146

Acctnum: ENVIROFNM

Template:

Prelogin:

TSR: 288 - Daphne Richards

PB:

Shipped Via:

Rem./Contaminant	Sample # (lab only)
	-01

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other Aqueous

Remarks: 7466 1467 7847

pH ___ Temp ___

Flow ___ Other ___

Hold #

Condition: (lab use only)

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	4/13/18	1700	FedEx
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) 904

Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ ___

Temp: 1.1 °C Bottles Received: 2

Date: 4/14/18 Time: 9:00

COC Seal Intact: ___Y ___N ___NA

pH Checked: NCF:

ESC LAB SCIENCES
Cooler Receipt Form

Client: ENVIROFNM	SDG#	485825
Cooler Received/Opened On: 4/14/18	Temperature:	1.1
Received By: Kelsey Rish		
Signature:		

Receipt Check List	NP	Yes	No
COC Seal Present / Intact?	/		
COC Signed / Accurate?		/	
Bottles arrive intact?		/	
Correct bottles used?		/	
Sufficient volume sent?		/	
If Applicable			
VOA Zero headspace?			
Preservation Correct / Checked?			

4/12/2019
24APR19

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:
MAPL Dolores Pumping Station

3. Location of Material (Street Address, City, State or ULSTR):
SE ¼ Section 31 Township 37 North Range 15 West; 38.7416799, -108.433635

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 yd³ / bbls Known Volume (to be entered by the operator at the end of the haul) _____ 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 Agua Moss, LLC 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: 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: _____ TITLE: _____ DATE: _____
SIGNATURE: _____ TELEPHONE NO.: _____
Surface Waste Management Facility Authorized Agent

envirotech
Analytical Laboratory

Analytical Report

Report Summary

Client: Enterprise Products
Chain Of Custody Number:
Samples Received: 4/12/2018 4:30:00PM
Job Number: 97057-0904
Work Order: P804028
Project Name/Location: Water Sampling @ Dolores Plant

Report Reviewed By:

Walter Hinchman, Laboratory Director — Date: 4/24/18

Tim Cain, Project Manager — Date: 4/24/18

NELAP ACCREDITED LABORATORY

Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.
Envirotech, Inc, currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.

5796 US Highway 64, Farmington, NM 87401
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301
Ph (505) 632-0615 Fx (505) 632-1865
Ph (970) 259-0615 Fx (800) 362-1879

envirotech
Analytical Laboratory

Enterprise Products	Project Name:	Water Sampling @ Dolores Plant	
614 Reilly Ave	Project Number:	97057-0904	**Reported:**
Farmington NM, 87401	Project Manager:	Felipe Aragon	24-Apr-18 10:00

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Dolores Station	P804028-01A	Aqueous	04/12/18	04/12/18	Amber, 1L
	P804028-01B	Aqueous	04/12/18	04/12/18	Amber, 1L
	P804028-01C	Aqueous	04/12/18	04/12/18	VOA Vial, 40mL
	P804028-01D	Aqueous	04/12/18	04/12/18	VOA Vial, 40mL
	P804028-01E	Aqueous	04/12/18	04/12/18	VOA Vial, 40mL
	P804028-01F	Aqueous	04/12/18	04/12/18	VOA Vial, 40mL; HCl
	P804028-01G	Aqueous	04/12/18	04/12/18	VOA Vial, 40mL; HCl
	P804028-01H	Aqueous	04/12/18	04/12/18	VOA Vial, 40mL; HCl
	P804028-01I	Aqueous	04/12/18	04/12/18	Poly 250mL

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879

envirotech
Analytical Laboratory

Enterprise Products	Project Name:	Water Sampling @ Dolores Plant	
614 Reilly Ave	Project Number:	97057-0904	**Reported:**
Farmington NM, 87401	Project Manager:	Felipe Aragon	24-Apr-18 10:00

Dolores Station
P804028-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TCLP Volatile Organic Compounds by 8260									
Vinyl chloride	ND	0.0100	mg/L	10	1816018	04/19/18	04/19/18	EPA 8260B	
1,1-Dichloroethene	ND	0.0100	mg/L	10	1816018	04/19/18	04/19/18	EPA 8260B	
2-Butanone (MEK)	ND	0.200	mg/L	10	1816018	04/19/18	04/19/18	EPA 8260B	
Chloroform	ND	0.100	mg/L	10	1816018	04/19/18	04/19/18	EPA 8260B	
Carbon Tetrachloride	ND	0.0100	mg/L	10	1816018	04/19/18	04/19/18	EPA 8260B	
Benzene	ND	0.0100	mg/L	10	1816018	04/19/18	04/19/18	EPA 8260B	
1,2-Dichloroethane	ND	0.0100	mg/L	10	1816018	04/19/18	04/19/18	EPA 8260B	
Trichloroethene	ND	0.0100	mg/L	10	1816018	04/19/18	04/19/18	EPA 8260B	
Tetrachloroethene	ND	0.0100	mg/L	10	1816018	04/19/18	04/19/18	EPA 8260B	
Chlorobenzene	ND	0.0100	mg/L	10	1816018	04/19/18	04/19/18	EPA 8260B	
1,4-Dichlorobenzene	ND	0.0100	mg/L	10	1816018	04/19/18	04/19/18	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*94.8 %*		*70-130*	*1816018*	*04/19/18*	*04/19/18*	*EPA 8260B*	
Surrogate: Toluene-d8		*103 %*		*70-130*	*1816018*	*04/19/18*	*04/19/18*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*108 %*		*70-130*	*1816018*	*04/19/18*	*04/19/18*	*EPA 8260B*	
TCLP Metals									
Arsenic	ND	0.20	mg/L	10	1816001	04/17/18	04/19/18	EPA 6010C	
Barium	ND	2.50	mg/L	10	1816001	04/17/18	04/19/18	EPA 6010C	
Cadmium	ND	0.10	mg/L	10	1816001	04/17/18	04/19/18	EPA 6010C	
Chromium	ND	0.20	mg/L	10	1816001	04/17/18	04/19/18	EPA 6010C	
Lead	ND	0.10	mg/L	10	1816001	04/17/18	04/19/18	EPA 6010C	
Selenium	ND	0.50	mg/L	10	1816001	04/17/18	04/19/18	EPA 6010C	
Silver	ND	0.10	mg/L	10	1816001	04/17/18	04/19/18	EPA 6010C	
Corrosivity									
pH @25°C	**7.45**		pH Units	1	1816009	04/17/18 09:05	04/17/18 11:38	9045D/9040 C	H1

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879

envirotech
Analytical Laboratory

Enterprise Products	Project Name:	Water Sampling @ Dolores Plant	
614 Reilly Ave	Project Number:	97057-0904	**Reported:**
Farmington NM, 87401	Project Manager:	Felipe Aragon	24-Apr-18 10:00

Dolores Station
P804028-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Waste Characteristic									
Flash Point	>95		°C	1	1816021	04/19/18	04/19/18	ASTM D93-10a	FP2
Reactivity	Negative		N/A	1	1816024	04/19/18	04/19/18	NA**	
TCLP Mercury by EPA 7470A									
Mercury	ND	0.00020	mg/L	1	1816013	04/18/18	04/19/18	EPA 7470A	

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879

envirotech
Analytical Laboratory

Enterprise Products	Project Name:	Water Sampling @ Dolores Plant	
614 Reilly Ave	Project Number:	97057-0904	**Reported:**
Farmington NM, 87401	Project Manager:	Felipe Aragon	24-Apr-18 10:00

TCLP Volatile Organic Compounds by 8260 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1816018 - Purge and Trap EPA 5030A										
Blank (1816018-BLK1)				Prepared & Analyzed: 19-Apr-18						
Vinyl chloride	ND	0.0010	mg/L							
1,1-Dichloroethene	ND	0.0010	"							
2-Butanone (MEK)	ND	0.0200	"							
Chloroform	ND	0.0100	"							
Carbon Tetrachloride	ND	0.0010	"							
Benzene	ND	0.0010	"							
1,2-Dichloroethane	ND	0.0010	"							
Trichloroethene	ND	0.0010	"							
Tetrachloroethene	ND	0.0010	"							
Chlorobenzene	ND	0.0010	"							
1,4-Dichlorobenzene	ND	0.0010	"							
Surrogate: 1,2-Dichloroethane-d4	*0.00980*		"	*0.0100*		*98.0*	*70-130*			
Surrogate: Toluene-d8	*0.0101*		"	*0.0100*		*101*	*70-130*			
Surrogate: Bromofluorobenzene	*0.0111*		"	*0.0100*		*111*	*70-130*			
LCS (1816018-BS1)				Prepared & Analyzed: 19-Apr-18						
Vinyl chloride	0.0484	0.0010	mg/L	0.0500		96.8	80-120			
1,1-Dichloroethene	0.0471	0.0010	"	0.0500		94.2	80-120			
2-Butanone (MEK)	0.0930	0.0200	"	0.100		93.0	45-165			
Chloroform	0.0499	0.0100	"	0.0500		99.9	80-120			
Carbon Tetrachloride	0.0497	0.0010	"	0.0500		99.4	70-130			
Benzene	0.0519	0.0010	"	0.0500		104	70-130			
1,2-Dichloroethane	0.0487	0.0010	"	0.0500		97.4	70-130			
Trichloroethene	0.0535	0.0010	"	0.0500		107	70-130			
Tetrachloroethene	0.0501	0.0010	"	0.0500		100	70-130			
Chlorobenzene	0.0473	0.0010	"	0.0500		94.7	70-130			
1,4-Dichlorobenzene	0.0479	0.0010	"	0.0500		95.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.00952*		"	*0.0100*		*95.2*	*70-130*			
Surrogate: Toluene-d8	*0.0104*		"	*0.0100*		*104*	*70-130*			
Surrogate: Bromofluorobenzene	*0.0106*		"	*0.0100*		*106*	*70-130*			
Matrix Spike (1816018-MS1)	**Source: P804028-01**			Prepared & Analyzed: 19-Apr-18						
Vinyl chloride	0.476	0.0100	mg/L	0.500	ND	95.3	44-143			
1,1-Dichloroethene	0.479	0.0100	"	0.500	ND	95.9	49-144			
2-Butanone (MEK)	0.993	0.200	"	1.00	ND	99.3	40-170			
Chloroform	0.504	0.100	"	0.500	ND	101	66-133			
Carbon Tetrachloride	0.505	0.0100	"	0.500	ND	101	61-139			
Benzene	0.526	0.0100	"	0.500	ND	105	59-133			
1,2-Dichloroethane	0.489	0.0100	"	0.500	ND	97.9	62-138			
Trichloroethene	0.480	0.0100	"	0.500	ND	96.1	49-148			
Tetrachloroethene	0.498	0.0100	"	0.500	ND	99.7	57-141			

envirotech
Analytical Laboratory

Enterprise Products	Project Name:	Water Sampling @ Dolores Plant	
614 Reilly Ave	Project Number:	97057-0904	**Reported:**
Farmington NM, 87401	Project Manager:	Felipe Aragon	24-Apr-18 10:00

TCLP Volatile Organic Compounds by 8260 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1816018 - Purge and Trap EPA 5030A										
Matrix Spike (1816018-MS1)		**Source: P804028-01**		Prepared & Analyzed: 19-Apr-18						
Chlorobenzene	0.470	0.0100	mg/L	0.500	ND	94.1	70-130			
1,4-Dichlorobenzene	0.484	0.0100	"	0.500	ND	96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0951*		"	*0.100*		*95.1*	*70-130*			
Surrogate: Toluene-d8	*0.103*		"	*0.100*		*103*	*70-130*			
Surrogate: Bromofluorobenzene	*0.109*		"	*0.100*		*109*	*70-130*			
Matrix Spike Dup (1816018-MSD1)		**Source: P804028-01**		Prepared & Analyzed: 19-Apr-18						
Vinyl chloride	0.464	0.0100	mg/L	0.500	ND	92.9	44-143	2.57	30	
1,1-Dichloroethene	0.459	0.0100	"	0.500	ND	91.9	49-144	4.24	20	
2-Butanone (MEK)	0.957	0.200	"	1.00	ND	95.8	40-170	3.61	30	
Chloroform	0.487	0.100	"	0.500	ND	97.3	66-133	3.45	20	
Carbon Tetrachloride	0.494	0.0100	"	0.500	ND	98.9	61-139	2.14	20	
Benzene	0.513	0.0100	"	0.500	ND	103	59-133	2.58	20	
1,2-Dichloroethane	0.478	0.0100	"	0.500	ND	95.6	62-138	2.38	20	
Trichloroethene	0.472	0.0100	"	0.500	ND	94.4	49-148	1.85	20	
Tetrachloroethene	0.483	0.0100	"	0.500	ND	96.6	57-141	3.08	20	
Chlorobenzene	0.462	0.0100	"	0.500	ND	92.3	70-130	1.91	20	
1,4-Dichlorobenzene	0.470	0.0100	"	0.500	ND	94.0	70-130	2.96	20	
Surrogate: 1,2-Dichloroethane-d4	*0.0960*		"	*0.100*		*96.0*	*70-130*			
Surrogate: Toluene-d8	*0.103*		"	*0.100*		*103*	*70-130*			
Surrogate: Bromofluorobenzene	*0.109*		"	*0.100*		*109*	*70-130*			

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879

envirotech
Analytical Laboratory

Enterprise Products	Project Name:	Water Sampling @ Dolores Plant	
614 Reilly Ave	Project Number:	97057-0904	**Reported:**
Farmington NM, 87401	Project Manager:	Felipe Aragon	24-Apr-18 10:00

TCLP Metals - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1816001 - Metals Water Hotblock Digestion EPA 3010A/200.2										
Blank (1816001-BLK1)				Prepared: 16-Apr-18 Analyzed: 17-Apr-18						
Arsenic	ND	0.02	mg/L							
Barium	ND	0.25	"							
Cadmium	ND	0.01	"							
Chromium	ND	0.02	"							
Lead	ND	0.01	"							
Selenium	ND	0.05	"							
Silver	ND	0.01	"							
LCS (1816001-BS1)				Prepared: 16-Apr-18 Analyzed: 17-Apr-18						
Arsenic	0.91	0.02	mg/L	1.00		90.8	80-120			
Barium	20.5	0.25	"	25.0		82.0	80-120			
Cadmium	0.91	0.01	"	1.00		91.3	80-120			
Chromium	0.96	0.02	"	1.00		96.3	80-120			
Lead	0.91	0.01	"	1.00		90.8	80-120			
Selenium	0.89	0.05	"	1.00		89.1	80-120			
Silver	0.09	0.01	"	0.100		91.3	80-120			
Matrix Spike (1816001-MS1)	**Source: P804025-01**			Prepared: 16-Apr-18 Analyzed: 17-Apr-18						
Arsenic	9.65	0.20	mg/L	10.0	ND	96.5	75-125			
Barium	216	2.50	"	250	ND	86.6	75-125			
Cadmium	9.54	0.10	"	10.0	ND	95.4	75-125			
Chromium	9.93	0.20	"	10.0	ND	99.3	75-125			
Lead	9.36	0.10	"	10.0	ND	93.6	75-125			
Selenium	9.42	0.50	"	10.0	ND	94.2	75-125			
Silver	0.95	0.10	"	1.00	ND	95.0	75-125			
Matrix Spike Dup (1816001-MSD1)	**Source: P804025-01**			Prepared: 16-Apr-18 Analyzed: 17-Apr-18						
Arsenic	10.0	0.20	mg/L	10.0	ND	100	75-125	3.80	20	
Barium	222	2.50	"	250	ND	88.8	75-125	2.51	20	
Cadmium	9.87	0.10	"	10.0	ND	98.7	75-125	3.37	20	
Chromium	10.2	0.20	"	10.0	ND	102	75-125	3.05	20	
Lead	9.60	0.10	"	10.0	ND	96.0	75-125	2.44	20	
Selenium	9.73	0.50	"	10.0	ND	97.3	75-125	3.23	20	
Silver	0.97	0.10	"	1.00	ND	97.2	75-125	2.29	20	

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879

envirotech
Analytical Laboratory

Enterprise Products	Project Name:	Water Sampling @ Dolores Plant	
614 Reilly Ave	Project Number:	97057-0904	**Reported:**
Farmington NM, 87401	Project Manager:	Felipe Aragon	24-Apr-18 10:00

Corrosivity - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1816009 - Wet Chemistry Preparation										
LCS (1816009-BS1)				Prepared & Analyzed: 17-Apr-18						
pH	7.99		pH Units	8.00		99.9	98.75-101.25			
Duplicate (1816009-DUP1)		**Source: P804023-01**		Prepared & Analyzed: 17-Apr-18						
pH	7.70		pH Units		7.66			0.521	20	

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879

envirotech
Analytical Laboratory

Enterprise Products	Project Name:	Water Sampling @ Dolores Plant	
614 Reilly Ave	Project Number:	97057-0904	**Reported:**
Farmington NM, 87401	Project Manager:	Felipe Aragon	24-Apr-18 10:00

Waste Characteristic - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1816021 - Wet Chemistry Preparation										
LCS (1816021-BS1)				Prepared & Analyzed: 19-Apr-18						
Flash Point	88		°C	86.0		103	95-105			
Duplicate (1816021-DUP1)	**Source: P804028-01**			Prepared & Analyzed: 19-Apr-18						
Flash Point	0		°C		>95				20	

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879

envirotech
Analytical Laboratory

Enterprise Products	Project Name:	Water Sampling @ Dolores Plant	
614 Reilly Ave	Project Number:	97057-0904	**Reported:**
Farmington NM, 87401	Project Manager:	Felipe Aragon	24-Apr-18 10:00

TCLP Mercury by EPA 7470A - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1816013 - Mercury Water Digestion KMNO4										
Blank (1816013-BLK1)				Prepared: 18-Apr-18 Analyzed: 19-Apr-18						
Mercury	ND	0.00020	mg/L							
LCS (1816013-BS1)				Prepared: 18-Apr-18 Analyzed: 19-Apr-18						
Mercury	0.00210	0.00020	mg/L	0.00200		105	80-120			
Matrix Spike (1816013-MS1)		**Source: P804025-01**		Prepared: 18-Apr-18 Analyzed: 19-Apr-18						
Mercury	0.00194	0.00020	mg/L	0.00200	0.00020	86.9	75-125			
Matrix Spike Dup (1816013-MSD1)		**Source: P804025-01**		Prepared: 18-Apr-18 Analyzed: 19-Apr-18						
Mercury	0.00188	0.00020	mg/L	0.00200	0.00020	83.9	75-125	3.17	20	

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879

envirotech
Analytical Laboratory

Enterprise Products	Project Name:	Water Sampling @ Dolores Plant	
614 Reilly Ave	Project Number:	97057-0904	**Reported:**
Farmington NM, 87401	Project Manager:	Felipe Aragon	24-Apr-18 10:00

Notes and Definitions

H1	Sample was received after regulatory hold-time exceeded for target analyte.
FP2	Halted - Boiled at 90 deg C
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
**	Methods marked with ** are non-accredited methods.

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879

Project Information

Chain of Custody

Page ______ of ___

Page 12 of 23

Project Information	Report Attention	Lab Use Only		TAT		EPA Program		
Client: Enterprise	Report due by:	Lab WO# P	Job Number 9707 ...	1D	3D	RCRA	CWA	SDWA
Project: Water sampling Dolores Plant	Attention:							
Project Manager:	Address:	Analysis and Method				State		
Address:	City, State, Zip					NM	CO	UT	AZ
City, State, Zip	Phone:						X		
Phone:	Email:								
Email: Matt Ethan Grabber Admin									

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TPH 418.1	8270	ECT				Remarks
1424	4/12/18	A	9	Dolores Station					X	X			X	X				2-1L amber 3 VOA ... HCl, 1-250 poly

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Brittany Kau

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
Brittany Kau	4/12/18	1630				Received on ice: Y / N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 ____ T2 ____ T3 ____ AVG Temp °C ____

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other ________

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboraotry is limited to the amount paid for on the report.

ANALYTICAL REPORT

April 23, 2018

EnviroTech- NM

Sample Delivery Group:	L985875
Samples Received:	04/14/2018
Project Number:	97057-0904
Description:	Water Sampling Delores Plant
Site:	P804028
Report To:	Tim Cain and Lynn Estes 5796 US. Highway 64 Farmington, NM 87401

Entire Report Reviewed By:

Daphne Richards
Technical Service Representative

TABLE OF CONTENTS

SAMPLE SUMMARY

DELORES STATION L985875-01 Waste

	Collected by	Collected date/time	Received date/time
	B. Hall	04/12/18 14:26	04/14/18 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Preparation by Method 1311	WG1098807	1	04/16/18 12:05	04/16/18 12:05	RT
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1099359	1	04/18/18 23:14	04/19/18 21:38	AO

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Daphne Richards
Technical Service Representative

DELORES STATION
Collected date/time: 04/12/18 14:26

SAMPLE RESULTS - 01
L985875

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		4/16/2018 12:05:20 PM	WG1098807
Fluid	1		4/16/2018 12:05:20 PM	WG1098807
Initial pH	6.50		4/16/2018 12:05:20 PM	WG1098807
Final pH	5.04		4/16/2018 12:05:20 PM	WG1098807

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	ND		0.100	7.50	1	04/19/2018 21:38	
2,4-Dinitrotoluene	ND		0.100	0.13	1	04/19/2018 21:38	
Hexachlorobenzene	ND		0.100	0.13	1	04/19/2018 21:38	
Hexachloro-1,3-butadiene	ND		0.100	0.50	1	04/19/2018 21:38	
Hexachloroethane	ND		0.100	3	1	04/19/2018 21:38	
Nitrobenzene	ND		0.100	2	1	04/19/2018 21:38	
Pyridine	ND		0.100	5	1	04/19/2018 21:38	
3&4-Methyl Phenol	ND		0.100	400	1	04/19/2018 21:38	
2-Methylphenol	ND		0.100	200	1	04/19/2018 21:38	
Pentachlorophenol	ND		0.100	100	1	04/19/2018 21:38	
2,4,5-Trichlorophenol	ND		0.100	400	1	04/19/2018 21:38	
2,4,6-Trichlorophenol	ND		0.100	2	1	04/19/2018 21:38	
(S) 2-Fluorophenol	*48.6*		*10.0-120*	*120*		*04/19/2018 21:38*	
(S) Phenol-d5	*36.2*		*10.0-120*	*120*		*04/19/2018 21:38*	
(S) Nitrobenzene-d5	*60.5*		*10.0-126*	*126*		*04/19/2018 21:38*	
(S) 2-Fluorobiphenyl	*61.0*		*22.0-127*	*127*		*04/19/2018 21:38*	
(S) 2,4,6-Tribromophenol	*67.3*		*10.0-153*	*153*		*04/19/2018 21:38*	
(S) p-Terphenyl-d14	*86.7*		*29.0-141*	*141*		*04/19/2018 21:38*	

WG1099359

QUALITY CONTROL SUMMARY

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

(MB) R3303266-1 04/19/18 16:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,4-Dichlorobenzene	U		0.0333	0.100
2,4-Dinitrotoluene	U		0.0333	0.100
Hexachlorobenzene	U		0.0333	0.100
Hexachloro-1,3-butadiene	U		0.0333	0.100
Hexachloroethane	U		0.0333	0.100
Nitrobenzene	U		0.0333	0.100
Pyridine	U		0.0333	0.100
2-Methylphenol	U		0.0333	0.100
3&4-Methyl Phenol	U		0.0333	0.100
Pentachlorophenol	U		0.0333	0.100
2,4,5-Trichlorophenol	U		0.0333	0.100
2,4,6-Trichlorophenol	U		0.0333	0.100
(S) Nitrobenzene-d5	*56.8*			*10.0-126*
(S) 2-Fluorobiphenyl	*58.1*			*22.0-127*
(S) p-Terphenyl-d14	*75.0*			*29.0-141*
(S) Phenol-d5	*37.8*			*10.0-120*
(S) 2-Fluorophenol	*51.5*			*10.0-120*
(S) 2,4,6-Tribromophenol	*65.1*			*10.0-153*

(LCS) R3303266-2 04/19/18 15:04 • (LCSD) R3303266-3 04/19/18 15:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,4-Dichlorobenzene	0.0500	0.0305	0.0317	61.0	63.3	26.0-120			3.77	30
2,4-Dinitrotoluene	0.0500	0.0418	0.0417	83.6	83.3	47.0-127			0.293	21
Hexachlorobenzene	0.0500	0.0370	0.0396	74.0	79.1	41.0-124			6.62	21
Hexachloro-1,3-butadiene	0.0500	0.0287	0.0292	57.4	58.4	26.0-120			1.66	31
Hexachloroethane	0.0500	0.0315	0.0325	63.0	64.9	22.0-120			3.02	34
Nitrobenzene	0.0500	0.0318	0.0321	63.6	64.2	31.0-120			0.863	28
Pyridine	0.0500	0.0134	0.0138	26.8	27.5	10.0-120			2.58	39
2-Methylphenol	0.0500	0.0324	0.0339	64.9	67.9	26.0-120			4.47	27
3&4-Methyl Phenol	0.0500	0.0363	0.0387	72.6	77.4	27.0-120			6.32	28
Pentachlorophenol	0.0500	0.0357	0.0374	71.4	74.7	20.0-126			4.55	32
2,4,5-Trichlorophenol	0.0500	0.0400	0.0413	80.0	82.7	44.0-124			3.24	24
2,4,6-Trichlorophenol	0.0500	0.0398	0.0390	79.6	78.1	40.0-122			2.02	24
(S) Nitrobenzene-d5				*63.4*	*65.7*	*10.0-126*				
(S) 2-Fluorobiphenyl				*72.8*	*73.0*	*22.0-127*				
(S) p-Terphenyl-d14				*82.7*	*83.0*	*29.0-141*				

WG1099359

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

QUALITY CONTROL SUMMARY

(LCS) R3303266-2 04/19/18 15:04 • (LCSD) R3303266-3 04/19/18 15:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
(S) Phenol-d5				*41.8*	*42.9*	*10.0-120*				
(S) 2-Fluorophenol				*58.6*	*58.7*	*10.0-120*				
(S) 2,4,6-Tribromophenol				*77.5*	*84.1*	*10.0-153*				

(OS) L985050-02 04/19/18 17:32 • (MS) R3303266-4 04/19/18 17:56 • (MSD) R3303266-5 04/19/18 18:21

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,4-Dichlorobenzene	0.500	ND	0.270	0.258	54.0	51.6	1	12.0-125			4.56	23
2,4-Dinitrotoluene	0.500	ND	0.424	0.362	84.9	72.3	1	30.0-156			16.0	29
Hexachlorobenzene	0.500	ND	0.385	0.325	77.0	65.0	1	29.0-144			16.9	33
Hexachloro-1,3-butadiene	0.500	ND	0.267	0.238	53.4	47.7	1	18.0-122			11.3	35
Hexachloroethane	0.500	ND	0.271	0.258	54.1	51.7	1	12.0-120			4.56	36
Nitrobenzene	0.500	ND	0.292	0.261	58.4	52.1	1	14.0-134			11.3	32
Pyridine	0.500	ND	0.134	0.123	26.8	24.7	1	10.0-120			8.15	40
2-Methylphenol	0.500	ND	0.301	0.273	60.2	54.6	1	14.0-120			9.86	29
3&4-Methyl Phenol	0.500	ND	0.345	0.315	69.0	62.9	1	13.0-124			9.14	26
Pentachlorophenol	0.500	ND	0.399	0.325	79.8	65.0	1	10.0-160			20.4	40
2,4,5-Trichlorophenol	0.500	ND	0.408	0.357	81.6	71.5	1	15.0-160			13.2	27
2,4,6-Trichlorophenol	0.500	ND	0.397	0.338	79.4	67.6	1	10.0-153			16.0	29
(S) Nitrobenzene-d5					*57.7*	*52.2*		*10.0-126*				
(S) 2-Fluorobiphenyl					*65.4*	*58.9*		*22.0-127*				
(S) p-Terphenyl-d14					*83.6*	*72.9*		*29.0-141*				
(S) Phenol-d5					*40.3*	*36.9*		*10.0-120*				
(S) 2-Fluorophenol					*51.8*	*49.9*		*10.0-120*				
(S) 2,4,6-Tribromophenol					*82.9*	*67.0*		*10.0-153*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1,6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1,4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.

Chain of Custody Page 1 of 1

ESC LAB SCIENCES

EnviroTech- NM 5796 US. Highway 64 Farmington, NM 87401	Billing Information: Doris Moore 5796 US. Highway 64 Farmington, NM 87401
Report to:	Email To:
Project Description:	City/State Collected:
Phone: 505-632-0615 Fax:	Client Project #	Lab Project #
Collected by (print):	Site/Facility ID #	P.O. #
Collected by (Signature): Immediately Packed on Ice N ___ Y ___	Rush? (Lab MUST Be Notified) ___ Same Day 200% ___ Next Day 100% ___ Two Day 50% ___ Three Day 25%	Date Results Needed Email? No ___ Yes Fax? No ___ Yes

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	# of cntrs

Analysis / Container / Preservative

L# 965875

G146

Acctnum: ENVIROFNM

Template:

Prelogin:

TSR: 288 - Daphne Richards

PB:

Shipped Via:

Remarks Container	Sample # (lab only)
	-01

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks:

pH ___ Temp ___

Flow ___ Other ___

Hold #

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ Fedex ☐ Courier ☐ ___	Condition: (lab use only)
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.6°C Bottles Received: 2	COC Seal Intact: ___ Y ___ N ___ NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/19/18 Time: 9:00	pH Checked: NCF:

ESC LAB SCIENCES
Cooler Receipt Form

Client: ENVIROTECH	SDG#	875
Cooler Received/Opened On: 8/4/23	Temperature:	
Received By: Kelsey Rich		
Signature:		

Receipt Check List	NP	Yes	No
COC Seal Present / Intact?			
COC Signed / Accurate?			
Bottles arrive intact?			
Correct bottles used?			
Sufficient volume sent?			
If Applicable			
VOA Zero headspace?			
Preservation Correct / Checked?			

5 SEPT 2019

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: _____ TITLE: _____ DATE: _____
SIGNATURE: _____ TELEPHONE NO.: _____
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

September 05, 2018

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

RE: Kutz CS OrderNo.: 1808836

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 1 sample(s) on 8/14/2018 for the analyses presented in the following report.

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

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1808836**
Date Reported: **9/5/2018**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Project: Kutz CS
Lab ID: 1808836-001 **Matrix:** AQUEOUS

Client Sample ID: Non Exempt
Collection Date: 8/13/2018 8:48:00 AM
Received Date: 8/14/2018 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 7470: MERCURY						Analyst: **rde**	
Mercury	ND	0.20		mg/L	1	8/29/2018 12:18:03 PM	40028
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **pmf**	
Arsenic	ND	5.0		mg/L	1	8/29/2018 2:15:34 PM	40021
Barium	ND	100		mg/L	1	8/20/2018 11:58:35 AM	39852
Cadmium	ND	1.0		mg/L	1	8/20/2018 11:58:35 AM	39852
Chromium	ND	5.0		mg/L	1	8/20/2018 11:58:35 AM	39852
Lead	ND	5.0		mg/L	1	8/22/2018 4:11:55 PM	39852
Selenium	ND	1.0		mg/L	1	8/29/2018 6:50:14 PM	40021
Silver	ND	5.0		mg/L	1	8/20/2018 11:58:35 AM	39852
EPA METHOD 8270C: PAHS						Analyst: **JDC**	
Naphthalene	3.3	2.5		µg/L	1	8/17/2018 2:00:59 PM	39844
1-Methylnaphthalene	ND	2.5		µg/L	1	8/17/2018 2:00:59 PM	39844
2-Methylnaphthalene	ND	2.5		µg/L	1	8/17/2018 2:00:59 PM	39844
Acenaphthylene	ND	2.5		µg/L	1	8/17/2018 2:00:59 PM	39844
Acenaphthene	ND	2.5		µg/L	1	8/17/2018 2:00:59 PM	39844
Fluorene	ND	2.5		µg/L	1	8/17/2018 2:00:59 PM	39844
Phenanthrene	ND	2.5		µg/L	1	8/17/2018 2:00:59 PM	39844
Anthracene	ND	2.5		µg/L	1	8/17/2018 2:00:59 PM	39844
Fluoranthene	ND	2.5		µg/L	1	8/17/2018 2:00:59 PM	39844
Pyrene	ND	2.5		µg/L	1	8/17/2018 2:00:59 PM	39844
Benz(a)anthracene	ND	2.5		µg/L	1	8/17/2018 2:00:59 PM	39844
Chrysene	ND	2.5		µg/L	1	8/17/2018 2:00:59 PM	39844
Benzo(b)fluoranthene	ND	2.5		µg/L	1	8/17/2018 2:00:59 PM	39844
Benzo(k)fluoranthene	ND	2.5		µg/L	1	8/17/2018 2:00:59 PM	39844
Benzo(a)pyrene	ND	2.5		µg/L	1	8/17/2018 2:00:59 PM	39844
Dibenz(a,h)anthracene	ND	2.5		µg/L	1	8/17/2018 2:00:59 PM	39844
Benzo(g,h,i)perylene	ND	2.5		µg/L	1	8/17/2018 2:00:59 PM	39844
Indeno(1,2,3-cd)pyrene	ND	2.5		µg/L	1	8/17/2018 2:00:59 PM	39844
Surr: N-hexadecane	74.5	35.2-113		%Rec	1	8/17/2018 2:00:59 PM	39844
Surr: Benzo(e)pyrene	93.9	48.3-123		%Rec	1	8/17/2018 2:00:59 PM	39844
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.50		mg/L	200	8/17/2018 9:09:00 PM	R53547
Toluene	0.47	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
Ethylbenzene	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
Methyl tert-butyl ether (MTBE)	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
1,2,4-Trimethylbenzene	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
1,3,5-Trimethylbenzene	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
1,2-Dichloroethane (EDC)	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547

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
PQL	Practical Quanitative Limit	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 **1808836**
Date Reported: **9/5/2018**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Project: Kutz CS
Lab ID: 1808836-001 **Matrix:** AQUEOUS

Client Sample ID: Non Exempt
Collection Date: 8/13/2018 8:48:00 AM
Received Date: 8/14/2018 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,2-Dibromoethane (EDB)	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
Naphthalene	ND	0.40		mg/L	200	8/17/2018 9:09:00 PM	R53547
1-Methylnaphthalene	ND	0.80		mg/L	200	8/17/2018 9:09:00 PM	R53547
2-Methylnaphthalene	ND	0.80		mg/L	200	8/17/2018 9:09:00 PM	R53547
Acetone	ND	2.0		mg/L	200	8/17/2018 9:09:00 PM	R53547
Bromobenzene	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
Bromodichloromethane	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
Bromoform	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
Bromomethane	ND	0.60		mg/L	200	8/17/2018 9:09:00 PM	R53547
2-Butanone	ND	2.0		mg/L	200	8/17/2018 9:09:00 PM	R53547
Carbon disulfide	ND	2.0		mg/L	200	8/17/2018 9:09:00 PM	R53547
Carbon Tetrachloride	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
Chlorobenzene	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
Chloroethane	ND	0.40		mg/L	200	8/17/2018 9:09:00 PM	R53547
Chloroform	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
Chloromethane	ND	0.60		mg/L	200	8/17/2018 9:09:00 PM	R53547
2-Chlorotoluene	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
4-Chlorotoluene	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
cis-1,2-DCE	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
cis-1,3-Dichloropropene	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
1,2-Dibromo-3-chloropropane	ND	0.40		mg/L	200	8/17/2018 9:09:00 PM	R53547
Dibromochloromethane	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
Dibromomethane	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
1,2-Dichlorobenzene	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
1,3-Dichlorobenzene	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
1,4-Dichlorobenzene	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
Dichlorodifluoromethane	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
1,1-Dichloroethane	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
1,1-Dichloroethene	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
1,2-Dichloropropane	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
1,3-Dichloropropane	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
2,2-Dichloropropane	ND	0.40		mg/L	200	8/17/2018 9:09:00 PM	R53547
1,1-Dichloropropene	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
Hexachlorobutadiene	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
2-Hexanone	ND	2.0		mg/L	200	8/17/2018 9:09:00 PM	R53547
Isopropylbenzene	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
4-Isopropyltoluene	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
4-Methyl-2-pentanone	ND	2.0		mg/L	200	8/17/2018 9:09:00 PM	R53547
Methylene Chloride	ND	0.60		mg/L	200	8/17/2018 9:09:00 PM	R53547

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
PQL	Practical Quanitative Limit	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 **1808836**
Date Reported: **9/5/2018**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Project: Kutz CS
Lab ID: 1808836-001 **Matrix:** AQUEOUS

Client Sample ID: Non Exempt
Collection Date: 8/13/2018 8:48:00 AM
Received Date: 8/14/2018 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
n-Butylbenzene	ND	0.60		mg/L	200	8/17/2018 9:09:00 PM	R53547
n-Propylbenzene	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
sec-Butylbenzene	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
Styrene	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
tert-Butylbenzene	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
1,1,1,2-Tetrachloroethane	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
1,1,2,2-Tetrachloroethane	ND	0.40		mg/L	200	8/17/2018 9:09:00 PM	R53547
Tetrachloroethene (PCE)	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
trans-1,2-DCE	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
trans-1,3-Dichloropropene	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
1,2,3-Trichlorobenzene	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
1,2,4-Trichlorobenzene	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
1,1,1-Trichloroethane	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
1,1,2-Trichloroethane	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
Trichloroethene (TCE)	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
Trichlorofluoromethane	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
1,2,3-Trichloropropane	ND	0.40		mg/L	200	8/17/2018 9:09:00 PM	R53547
Vinyl chloride	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R53547
Xylenes, Total	ND	0.30		mg/L	200	8/17/2018 9:09:00 PM	R53547
Surr: 1,2-Dichloroethane-d4	96.2	70-130		%Rec	200	8/17/2018 9:09:00 PM	R53547
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	200	8/17/2018 9:09:00 PM	R53547
Surr: Dibromofluoromethane	101	70-130		%Rec	200	8/17/2018 9:09:00 PM	R53547
Surr: Toluene-d8	90.1	70-130		%Rec	200	8/17/2018 9:09:00 PM	R53547

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
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	180822040
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1808836
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	180822040-001	**Sampling Date**	8/13/2018	**Date/Time Received**	8/21/2018 11:10 AM
Client Sample ID	1808836-001D / NON EXEMPT	**Sampling Time**	8:48 AM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide (reactive)	ND	mg/L	0.1	8/28/2018 11:45:00 AM	RPU	SW846 CH7	
Flashpoint	>200	°F		8/30/2018 12:24:00 PM	GPB	EPA 1010	
pH	5.05	ph Units		8/23/2018 3:15:00 PM	RPU	SM 4500pH-B	
Reactive sulfide	ND	mg/L	0.19	8/27/2018 3:00:00 PM	ETL	SW846 CH7	

Authorized Signature

Todd Taruscio, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013;NV:ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 180822040
Project Name: 1808836

Analytical Results Report

Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Cyanide (reactive)	0.496	mg/L	0.5	99.2	80-120	8/28/2018	8/28/2018
Reactive sulfide	0.180	mg/L	0.2	90.0	70-130	8/27/2018	8/27/2018

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
180821051-004A	Reactive sulfide	ND	0.356	mg/L	0.395	90.1	70-130	8/27/2018	8/27/2018
180822040-001	Cyanide (reactive)	ND	5.15	mg/L	5	103.0	80-120	8/28/2018	8/28/2018

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Cyanide (reactive)	5.19	mg/L	5	103.8	0.8	0-25	8/28/2018	8/28/2018

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Cyanide (reactive)	ND	mg/L	1	8/28/2018	8/28/2018
Reactive sulfide	ND	mg/L	0.1	8/27/2018	8/27/2018

AR	Acceptable Range
ND	Not Detected
PQL	Practical Quantitation Limit
RPD	Relative Percentage Difference

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013;NV:ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1808836
05-Sep-18

Client: Souder, Miller and Associates
Project: Kutz CS

Sample ID 100ng lcs	SampType: LCS	TestCode: EPA Method 8260B: VOLATILES
Client ID: LCSW	Batch ID: R53547	RunNo: 53547
Prep Date:	Analysis Date: 8/17/2018	SeqNo: 1764896 Units: µg/L

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	23	1.0	20.00	0	117	70	130			
Toluene	20	1.0	20.00	0	101	70	130			
Chlorobenzene	21	1.0	20.00	0	103	70	130			
1,1-Dichloroethene	24	1.0	20.00	0	120	70	130			
Trichloroethene (TCE)	22	1.0	20.00	0	108	70	130			
Surr: 1,2-Dichloroethane-d4	9.8		10.00		98.0	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		101	70	130			
Surr: Dibromofluoromethane	10		10.00		103	70	130			
Surr: Toluene-d8	9.1		10.00		91.5	70	130			

Sample ID rb	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES
Client ID: PBW	Batch ID: R53547	RunNo: 53547
Prep Date:	Analysis Date: 8/17/2018	SeqNo: 1764901 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
PQL	Practical Quanitative Limit	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#: 1808836
05-Sep-18

Client: Souder, Miller and Associates
Project: Kutz CS

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **R53547**	RunNo: **53547**
Prep Date:	Analysis Date: **8/17/2018**	SeqNo: **1764901** 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
PQL	Practical Quanitative Limit	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#: 1808836
05-Sep-18

Client: Souder, Miller and Associates
Project: Kutz CS

Sample ID rb	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES							
Client ID: PBW	Batch ID: R53547	RunNo: 53547							
Prep Date:	Analysis Date: 8/17/2018	SeqNo: 1764901	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	9.6		10.00		96.0	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		102	70	130			
Surr: Dibromofluoromethane	10		10.00		102	70	130			
Surr: Toluene-d8	9.2		10.00		92.0	70	130			

Sample ID 1808836-001ams	SampType: MS	TestCode: EPA Method 8260B: VOLATILES							
Client ID: Non Exempt	Batch ID: R53547	RunNo: 53547							
Prep Date:	Analysis Date: 8/17/2018	SeqNo: 1764915	Units: µg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	5.0	0.20	4.000	0.2828	117	60.5	137			
Toluene	4.4	0.20	4.000	0.4672	98.4	70	130			
Chlorobenzene	3.9	0.20	4.000	0	97.3	70	130			
1,1-Dichloroethene	4.9	0.20	4.000	0	122	70	130			
Trichloroethene (TCE)	4.3	0.20	4.000	0	109	70	130			
Surr: 1,2-Dichloroethane-d4	1.9		2.000		96.5	70	130			
Surr: 4-Bromofluorobenzene	2.1		2.000		103	70	130			
Surr: Dibromofluoromethane	2.1		2.000		104	70	130			
Surr: Toluene-d8	1.8		2.000		91.0	70	130			

Sample ID 1808836-001amsd	SampType: MSD	TestCode: EPA Method 8260B: VOLATILES							
Client ID: Non Exempt	Batch ID: R53547	RunNo: 53547							
Prep Date:	Analysis Date: 8/17/2018	SeqNo: 1764916	Units: µg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	4.7	0.20	4.000	0.2828	110	60.5	137	5.49	20	
Toluene	4.3	0.20	4.000	0.4672	95.0	70	130	3.18	20	
Chlorobenzene	3.8	0.20	4.000	0	94.4	70	130	3.04	20	
1,1-Dichloroethene	4.6	0.20	4.000	0	115	70	130	5.65	20	
Trichloroethene (TCE)	4.1	0.20	4.000	0	103	70	130	5.32	20	
Surr: 1,2-Dichloroethane-d4	1.9		2.000		96.8	70	130	0	0	
Surr: 4-Bromofluorobenzene	2.1		2.000		103	70	130	0	0	
Surr: Dibromofluoromethane	2.0		2.000		102	70	130	0	0	
Surr: Toluene-d8	1.8		2.000		91.8	70	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
PQL	Practical Quanitative Limit	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#: 1808836

05-Sep-18

Client: Souder, Miller and Associates
Project: Kutz CS

Sample ID mb-39844	SampType: MBLK	TestCode: EPA Method 8270C: PAHs							
Client ID: PBW	Batch ID: 39844	RunNo: 53534							
Prep Date: 8/16/2018	Analysis Date: 8/17/2018	SeqNo: 1764420	Units: µg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	ND	0.50								
1-Methylnaphthalene	ND	0.50								
2-Methylnaphthalene	ND	0.50								
Acenaphthylene	ND	0.50								
Acenaphthene	ND	0.50								
Fluorene	ND	0.50								
Phenanthrene	ND	0.50								
Anthracene	ND	0.50								
Fluoranthene	ND	0.50								
Pyrene	ND	0.50								
Benz(a)anthracene	ND	0.50								
Chrysene	ND	0.50								
Benzo(b)fluoranthene	ND	0.50								
Benzo(k)fluoranthene	ND	0.50								
Benzo(a)pyrene	ND	0.50								
Dibenz(a,h)anthracene	ND	0.50								
Benzo(g,h,i)perylene	ND	0.50								
Indeno(1,2,3-cd)pyrene	ND	0.50								
Surr: N-hexadecane	83		87.60		95.0	35.2	113			
Surr: Benzo(e)pyrene	21		20.00		105	48.3	123			

Sample ID lcs-39844	SampType: LCS	TestCode: EPA Method 8270C: PAHs							
Client ID: LCSW	Batch ID: 39844	RunNo: 53534							
Prep Date: 8/16/2018	Analysis Date: 8/17/2018	SeqNo: 1764421	Units: µg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	18	0.50	20.00	0	87.5	28.6	113			
1-Methylnaphthalene	20	0.50	20.00	0	99.5	27	113			
2-Methylnaphthalene	19	0.50	20.00	0	94.3	26.3	112			
Acenaphthylene	19	0.50	20.00	0	97.1	36.2	114			
Acenaphthene	18	0.50	20.00	0	91.1	35.6	116			
Fluorene	19	0.50	20.00	0	93.4	38.4	116			
Phenanthrene	19	0.50	20.00	0	94.7	42.3	118			
Anthracene	19	0.50	20.00	0	93.8	42.2	117			
Fluoranthene	21	0.50	20.00	0	104	42.5	118			
Pyrene	21	0.50	20.00	0	103	40.8	121			
Benz(a)anthracene	20	0.50	20.00	0	99.0	43	118			
Chrysene	19	0.50	20.00	0	95.9	39.4	119			
Benzo(b)fluoranthene	22	0.50	20.00	0	111	47.8	115			

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
PQL	Practical Quanitativc Limit	RL	Rcporting Dctcction 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#: 1808836
05-Sep-18

Client: Souder, Miller and Associates
Project: Kutz CS

Sample ID	lcs-39844	SampType:	LCS	TestCode:	EPA Method 8270C: PAHs					
Client ID:	LCSW	Batch ID:	39844	RunNo:	53534					
Prep Date:	8/16/2018	Analysis Date:	8/17/2018	SeqNo:	1764421	Units:	µg/L			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	22	0.50	20.00	0	108	40.5	120			
Benzo(a)pyrene	20	0.50	20.00	0	101	41.5	115			
Dibenz(a,h)anthracene	18	0.50	20.00	0	87.9	48.6	115			
Benzo(g,h,i)perylene	19	0.50	20.00	0	94.0	42	119			
Indeno(1,2,3-cd)pyrene	22	0.50	20.00	0	108	42.9	118			
Surr: N-hexadecane	91		87.60		104	35.2	113			
Surr: Benzo(e)pyrene	24		20.00		118	48.3	123			

Sample ID	lcsd-39844	SampType:	LCSD	TestCode:	EPA Method 8270C: PAHs					
Client ID:	LCSS02	Batch ID:	39844	RunNo:	53534					
Prep Date:	8/16/2018	Analysis Date:	8/17/2018	SeqNo:	1764422	Units:	µg/L			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	15	0.50	20.00	0	75.0	28.6	113	15.4	40.7	
1-Methylnaphthalene	18	0.50	20.00	0	90.0	27	113	10.0	38.4	
2-Methylnaphthalene	17	0.50	20.00	0	85.1	26.3	112	10.3	25.5	
Acenaphthylene	18	0.50	20.00	0	89.5	36.2	114	8.15	34.1	
Acenaphthene	16	0.50	20.00	0	80.0	35.6	116	13.0	32.1	
Fluorene	17	0.50	20.00	0	83.9	38.4	116	10.7	28	
Phenanthrene	18	0.50	20.00	0	92.3	42.3	118	2.57	37.4	
Anthracene	19	0.50	20.00	0	93.5	42.2	117	0.320	36.2	
Fluoranthene	20	0.50	20.00	0	98.8	42.5	118	5.61	26.6	
Pyrene	21	0.50	20.00	0	103	40.8	121	0.389	26.8	
Benz(a)anthracene	19	0.50	20.00	0	96.9	43	118	2.14	25.1	
Chrysene	18	0.50	20.00	0	92.0	39.4	119	4.15	23.3	
Benzo(b)fluoranthene	21	0.50	20.00	0	106	47.8	115	3.96	22.5	
Benzo(k)fluoranthene	20	0.50	20.00	0	102	40.5	120	5.34	30.9	
Benzo(a)pyrene	20	0.50	20.00	0	100	41.5	115	0.199	23.2	
Dibenz(a,h)anthracene	17	0.50	20.00	0	85.8	48.6	115	2.42	26.5	
Benzo(g,h,i)perylene	18	0.50	20.00	0	91.3	42	119	2.91	30.7	
Indeno(1,2,3-cd)pyrene	21	0.50	20.00	0	104	42.9	118	3.11	25.4	
Surr: N-hexadecane	84		87.60		96.0	35.2	113	0	0	
Surr: Benzo(e)pyrene	22		20.00		110	48.3	123	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
PQL	Practical Quanitative Limit	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#: 1808836
05-Sep-18

Client: Souder, Miller and Associates
Project: Kutz CS

Sample ID	MB-40028	SampType:	MBLK		TestCode:	EPA Method 7470: Mercury				
Client ID:	PBW	Batch ID:	40028		RunNo:	53784				
Prep Date:	8/28/2018	Analysis Date:	8/29/2018		SeqNo:	1775035	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.00020								

Sample ID	LCS-40028	SampType:	LCS		TestCode:	EPA Method 7470: Mercury				
Client ID:	LCSW	Batch ID:	40028		RunNo:	53784				
Prep Date:	8/28/2018	Analysis Date:	8/29/2018		SeqNo:	1775036	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0053	0.00020	0.005000	0	106	80	120			

Sample ID	1808836-001CMS	SampType:	MS		TestCode:	EPA Method 7470: Mercury				
Client ID:	Non Exempt	Batch ID:	40028		RunNo:	53784				
Prep Date:	8/28/2018	Analysis Date:	8/29/2018		SeqNo:	1775038	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0043	0.00020	0.005000	0.0003480	79.1	75	125			

Sample ID	1808836-001CMSD	SampType:	MSD		TestCode:	EPA Method 7470: Mercury				
Client ID:	Non Exempt	Batch ID:	40028		RunNo:	53784				
Prep Date:	8/28/2018	Analysis Date:	8/29/2018		SeqNo:	1775039	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0045	0.00020	0.005000	0.0003480	83.9	75	125	5.50	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
PQL	Practical Quanitative Limit	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#: 1808836
05-Sep-18

Client: Souder, Miller and Associates
Project: Kutz CS

Sample ID	MB-39852	SampType:	MBLK		TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	PBW	Batch ID:	39852		RunNo:	53550				
Prep Date:	8/16/2018	Analysis Date:	8/20/2018		SeqNo:	1765745	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								
Silver	ND	0.0050								

Sample ID	LCS-39852	SampType:	LCS		TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	LCSW	Batch ID:	39852		RunNo:	53550				
Prep Date:	8/16/2018	Analysis Date:	8/20/2018		SeqNo:	1765747	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	0.52	0.020	0.5000	0	104	80	120			
Cadmium	0.50	0.0020	0.5000	0	99.5	80	120			
Chromium	0.52	0.0060	0.5000	0	104	80	120			
Silver	0.10	0.0050	0.1000	0	104	80	120			

Sample ID	MB-39852	SampType:	MBLK		TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	PBW	Batch ID:	39852		RunNo:	53642				
Prep Date:	8/16/2018	Analysis Date:	8/22/2018		SeqNo:	1768995	Units:	mg/L		

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

Sample ID	LCS-39852	SampType:	LCS		TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	LCSW	Batch ID:	39852		RunNo:	53642				
Prep Date:	8/16/2018	Analysis Date:	8/22/2018		SeqNo:	1768997	Units:	mg/L		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead	0.49	0.0050	0.5000	0	98.5	80	120			

Sample ID	MB-40021	SampType:	MBLK		TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	PBW	Batch ID:	40021		RunNo:	53785				
Prep Date:	8/28/2018	Analysis Date:	8/29/2018		SeqNo:	1775201	Units:	mg/L		

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

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
PQL	Practical Quanitative Limit	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#: 1808836

05-Sep-18

Client: Souder, Miller and Associates
Project: Kutz CS

Sample ID	LCS-40021	SampType:	LCS		TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	LCSW	Batch ID:	40021		RunNo:	53785				
Prep Date:	8/28/2018	Analysis Date:	8/29/2018		SeqNo:	1775203	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.49	0.020	0.5000	0	98.4	80	120			

Sample ID	MB-40021	SampType:	MBLK		TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	PBW	Batch ID:	40021		RunNo:	53804				
Prep Date:	8/28/2018	Analysis Date:	8/29/2018		SeqNo:	1775493	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Selenium	ND	0.050								

Sample ID	LCS-40021	SampType:	LCS		TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	LCSW	Batch ID:	40021		RunNo:	53804				
Prep Date:	8/28/2018	Analysis Date:	8/29/2018		SeqNo:	1775495	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Selenium	0.48	0.050	0.5000	0	95.0	80	120			

Sample ID	MB-40021	SampType:	MBLK		TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	PBW	Batch ID:	40021		RunNo:	53804				
Prep Date:	8/28/2018	Analysis Date:	8/29/2018		SeqNo:	1775530	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.020								

Sample ID	LCS-40021	SampType:	LCS		TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	LCSW	Batch ID:	40021		RunNo:	53804				
Prep Date:	8/28/2018	Analysis Date:	8/29/2018		SeqNo:	1775532	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.52	0.020	0.5000	0	105	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
PQL	Practical Quanitative Limit	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

Sample Log-In Check List

Client Name: SMA-FARM Work Order Number: 1808836 RcptNo: 1

Received By: Anne Thorne 8/14/2018 7:00:00 AM Anne Thorne

Completed By: Ashley Gallegos 8/14/2018 3:23:31 PM

Reviewed By: JAB 08/15/18 Labeled by: MW 8/15/18

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ MW 8/15/18 No ☑
8. Was preservative added to bottles? Yes ☐ No ☑ MW 8/15/18 NA ☐
9. VOA vials have zero headspace? Yes ☑ No ☐ No VOA Vials ☐
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: 1/1 (<2 or >12 unless noted)
Adjusted? NA
Checked by: MW 8/15/18

Special Handling (if applicable)

15. 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:

16. Additional remarks: For metals-total, added approx. 0.5mL HNO3 to 60mL for acceptable pH. held for 24 hrs prior to analysis. MW 8/15/18 1515

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.6	Good	Yes			

Chain-of-Custody Record

Client: SumA
401 W. Broadway
Mailing Address: Farmington NM 87401

Phone #: 505 325-7535
email or Fax#: Ashley.maxwell@ souder miller.com
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
Accreditation
☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: Kutz CS
Project #:
Project Manager: Ashley maxwell
Sampler: RW
On Ice: ☒ Yes ☐ No
Sample Temperature: 2.6-CF=1.0=1.6
2 coolers

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. 1808836	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)	RCI					Air Bubbles (Y or N)
8-13-18	8:48	H2O	Non Exempt	Various	Various	-001						X	X			X		+					

Date:	Time:	Relinquished by:	Received by:	Date	Time
8-13-18	1710	[signature]	[signature]	8/13/18	1710
8/13/18	1812	[signature]	[signature]	08/14/18	0720

Remarks: 8260 Full List
TCLP Compounds At TCLP Limits
Invoice - Enterprise CC: Tom Long

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.

Good Till 8/28/2019

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 August 1, 2011

*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:**

HEAVY OIL SOLUTIONS, 531 ROVER BLVD, LOS ALAMOS NM 87547

2. **Originating Site:**

HEAVY OIL SOLUTIONS, 5101 COLLEGE BLVD, FARMINGTON, NM 87402

3. **Location of Material (Street Address, City, State or ULSTR):**

HEAVY OIL SOLUTIONS, 5101 COLLEGE BLVD, FARMINGTON NM 87402

4. **Source and Description of Waste:**

PRODUCED WATER FROM OIL UPGRADING PROCESS DEVELOPMENT PILOT

Estimated Volume 4/21 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, STEVE YARBRO, representative or authorized agent for HEAVY OIL SOLUTIONS do hereby 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, STEVE YARBRO, representative for HEAVY OIL SOLUTIONS 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:**

M&R Trucking

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Sunco Disposal #1 UICI-5-0

Address of Facility: SW/4 NW/4 Section 2, T29N, R12W San Juan County, Crouch Mesa Facility

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: Philana Thompson TITLE: Regulatory Compliance Specialist DATE: 9/6/18

SIGNATURE: _____ TELEPHONE NO.: 505-486-1171

Surface Waste Management Facility Authorized Agent

envirotech
Analytical Laboratory

Analytical Report

Report Summary

Client: Heavy Oil Solutions
Chain Of Custody Number:
Samples Received: 8/21/2018 2:45:00PM
Job Number: 17014-0001
Work Order: P808039
Project Name/Location: No Recycle

Report Reviewed By: Walter Hinchman Date: 8/28/18

Walter Hinchman, Laboratory Director

Date: 8/28/18

Tim Cain, Project Manager

NELAP ACCREDITED TNI LABORATORY

Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.
Envirotech, Inc, currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com
laboratory@envirotech-inc.com

envirotech
Analytical Laboratory

Heavy Oil Solutions	Project Name:	No Recycle	
531 Rover BLVD	Project Number:	17014-0001	**Reported:**
Los Alamos NM, 87547	Project Manager:	Steve Yarbro	08/28/18 14:55

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
0921-01	P808039-01A	Aqueous	08/21/18	08/21/18	Poly 500mL

envirotech
Analytical Laboratory

Heavy Oil Solutions	Project Name:	No Recycle	
531 Rover BLVD	Project Number:	17014-0001	**Reported:**
Los Alamos NM, 87547	Project Manager:	Steve Yarbro	08/28/18 14:55

0921-01
P808039-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Corrosivity									
pH @25°C	**7.94**		pH Units	1	1834019	08/24/18 10:20	08/24/18 12:36	9045D/9040 C	H1
Waste Characteristic									
Flash Point	>95		°C	1	1833022	08/24/18	08/24/18	ASTM D93-10a	
Reactivity	Negative		N/A	1	1834021	08/24/18	08/24/18	Reactivity**	

envirotech
Analytical Laboratory

Heavy Oil Solutions	Project Name:	No Recycle	
531 Rover BLVD	Project Number:	17014-0001	**Reported:**
Los Alamos NM, 87547	Project Manager:	Steve Yarbro	08/28/18 14:55

Corrosivity - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1834019 - Wet Chemistry Preparation										
LCS (1834019-BS1)				Prepared & Analyzed: 08/24/18 1						
pH	8.01		pH Units	8.00		100	98.75-101.25			
Duplicate (1834019-DUP1)		**Source: P808039-01**		Prepared & Analyzed: 08/24/18 1						
pH	7.99		pH Units		7.94			0.628	20	

envirotech
Analytical Laboratory

Heavy Oil Solutions	Project Name:	No Recycle	
531 Rover BLVD	Project Number:	17014-0001	**Reported:**
Los Alamos NM, 87547	Project Manager:	Steve Yarbro	08/28/18 14:55

Waste Characteristic - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1833022 - Wet Chemistry Preparation										
LCS (1833022-BS1)				Prepared & Analyzed: 08/17/18 1						
Flash Point	66		°C	65.0		102	95-105			
Duplicate (1833022-DUP1)		**Source: P808032-03**		Prepared & Analyzed: 08/17/18 1						
Flash Point	>95		°C		0				20	

envirotech
Analytical Laboratory

Heavy Oil Solutions	Project Name:	No Recycle	
531 Rover BLVD	Project Number:	17014-0001	**Reported:**
Los Alamos NM, 87547	Project Manager:	Steve Yarbro	08/28/18 14:55

Notes and Definitions

H1	Sample was received after regulatory hold-time exceeded for target analyte.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
**	Methods marked with ** are non-accredited methods.

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com
laboratory@envirotech-inc.com

Project Information | Chain of Custody | Page 1 of 1

Client: Heavy Oil Solutions	**Report Attention**
Project: No Recycle	Report due by:
Project Manager: Steve Yarbro	Attention:
Address: 5101 College Blve - QCB 5314	Address:
City, State, Zip Farmington, NM 87402	City, State, Zip
Phone: 505.412.2934	Phone:
Email: steve.yarbro@heavyoilsolutions.com	Email:

Lab Use Only: Lab WO# P808039 | Job Number 1794-0001

TAT: 1D | 3D

EPA Program: RCRA | CWA | SDWA

State: NM | CO | UT | AZ

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	Karl Fischer Water Analysis	Density	Viscosity	C,N,H	total sulfur	BS&W	Bromine #	RCRA					Remarks
1030	08/21	A	1	0921-1	1								X					TO INCLUDE PH, IGNITABILITY, CORROSISION ANDREACTIVITY

Per Steve 8/22/18 TL

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: NB

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Kennedy Hall	8/21/18	1445		8/21/18	1445
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 2.3.0

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above boratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 | Ph (970) 259-0615 Fx (800) 362-1879

envirotech
Analytical Laboratory

Analytical Report

Report Summary

Client: Heavy Oil Solutions
Chain Of Custody Number:
Samples Received: 9/9/2018 11:57:00AM
Job Number: 17014-0001
Work Order: P809014
Project Name/Location: No Recycle

Report Reviewed By: Walter Hinchman Date: 9/13/18

Walter Hinchman, Laboratory Director

Date: 9/13/18

Tim Cain, Project Manager

NELAP ACCREDITED TNI LABORATORY

Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.
Envirotech, Inc, currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com
laboratory@envirotech-inc.com

envirotech
Analytical Laboratory

Heavy Oil Solutions	Project Name:	No Recycle	
531 Rover BLVD	Project Number:	17014-0001	**Reported:**
Los Alamos NM, 87547	Project Manager:	Steve Yarbro	09/13/18 16:48

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Paint Filter - Prod Water	P809014-01A	Aqueous	09/10/18	09/09/18	Poly 500mL

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com
laboratory@envirotech-inc.com

envirotech
Analytical Laboratory

Heavy Oil Solutions	Project Name:	No Recycle	
531 Rover BLVD	Project Number:	17014-0001	**Reported:**
Los Alamos NM, 87547	Project Manager:	Steve Yarbro	09/13/18 16:48

Paint Filter - Prod Water

P809014-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Wet Chemistry									
Paint Filter Test	**100**		ml	1	1837027	09/13/18	09/13/18	EPA 9095B	

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com
laboratory@envirotech-inc.com

Project Information | Chain of Custody | Page 1 of 1

Client: Heavy Oil Solutions	**Report Attention**
Project: No Recycle	Report due by:
Project Manager: Steve Yarbro	Attention:
Address: 5101 College Blve - QCB 5314	Address:
City, State, Zip Farmington, NM 87402	City, State, Zip
Phone: 505.412.2934	Phone:
Email: steve.yarbro@heavyoilsolutions.com	Email:

Lab Use Only: Lab WO# P809814 | Job Number 17014-0001

TAT: 1D | 3D

EPA Program: RCRA | CWA | SDWA

State: NM | CO | UT | AZ

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	C7 Insolubles	Density	High Temp SimDist	C,N,H	Bromine Number	Water In Oil	TSS	TDS	Oil & Grease	Silica	Hardness	PAINT TEST	Remarks
9am	9/10/18	A		Paint Test - Prod Water	1												X	
				Per Ron 9/10/18 TL														

Analysis and Method

Additional Instructions: V.I ice in cooler

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Mike Brown

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ron Haeland	9/9/18	11:57	[signature]	9/9/18	1157

Lab Use Only: Received on ice: (Y) / N; T1 ____ T2 ____ T3 ____; AVG Temp °C 4.0

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above [illegible] laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Page 5 of 5

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 | Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com | Laboratory@envirotech-inc.com

UICI - 5

QUARTERLY REPORT INFO

2018

Good Till 10/2/2019

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:
MAPL Lyborrk Pumping Station

3. Location of Material (Street Address, City, State or ULSTR):
UL C Section 14 Township 23 North Range 7 West; 36.232901, -107.545978

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) _____ yd^3 / bbls

5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, 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, 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: 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: _____ TITLE: _____ DATE: _____
SIGNATURE: _____ TELEPHONE NO.: _____
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

October 02, 2018

Ashley Maxwell
Souder, Miller and Associates
401 W. Broadway
Farmington, NM 87401
TEL: (505) 325-7535
FAX

RE: Lybrook OrderNo.: 1809431

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 1 sample(s) on 9/7/2018 for the analyses presented in the following report.

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

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1809431**
Date Reported: **10/2/2018**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Project: Lybrook
Lab ID: 1809431-001 **Matrix:** AQUEOUS

Client Sample ID: BGT
Collection Date: 9/5/2018 11:42:00 AM
Received Date: 9/7/2018 6:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 7470: MERCURY						Analyst: **JLF**
Mercury	ND	0.020		mg/L	1	9/13/2018 12:14:13 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **ELS**
Arsenic	ND	5.0		mg/L	1	9/15/2018 10:54:24 AM
Barium	ND	100		mg/L	1	9/15/2018 10:54:24 AM
Cadmium	ND	1.0		mg/L	1	9/15/2018 10:54:24 AM
Chromium	ND	5.0		mg/L	1	9/15/2018 10:54:24 AM
Lead	ND	5.0		mg/L	1	9/15/2018 12:27:53 PM
Selenium	ND	1.0		mg/L	1	9/15/2018 10:54:24 AM
Silver	ND	5.0		mg/L	1	9/15/2018 10:54:24 AM
EPA METHOD 8270C: PAHS						Analyst: **DAM**
Naphthalene	ND	5.0	D	µg/L	10	9/18/2018 9:50:10 PM
1-Methylnaphthalene	ND	5.0	D	µg/L	10	9/18/2018 9:50:10 PM
2-Methylnaphthalene	ND	5.0	D	µg/L	10	9/18/2018 9:50:10 PM
Acenaphthylene	ND	5.0	D	µg/L	10	9/18/2018 9:50:10 PM
Acenaphthene	ND	5.0	D	µg/L	10	9/18/2018 9:50:10 PM
Fluorene	ND	5.0	D	µg/L	10	9/18/2018 9:50:10 PM
Phenanthrene	ND	5.0	D	µg/L	10	9/18/2018 9:50:10 PM
Anthracene	ND	5.0	D	µg/L	10	9/18/2018 9:50:10 PM
Fluoranthene	ND	5.0	D	µg/L	10	9/18/2018 9:50:10 PM
Pyrene	ND	5.0	D	µg/L	10	9/18/2018 9:50:10 PM
Benz(a)anthracene	ND	5.0	D	µg/L	10	9/18/2018 9:50:10 PM
Chrysene	ND	5.0	D	µg/L	10	9/18/2018 9:50:10 PM
Benzo(b)fluoranthene	ND	5.0	D	µg/L	10	9/18/2018 9:50:10 PM
Benzo(k)fluoranthene	ND	5.0	D	µg/L	10	9/18/2018 9:50:10 PM
Benzo(a)pyrene	ND	5.0	D	µg/L	10	9/18/2018 9:50:10 PM
Dibenz(a,h)anthracene	ND	5.0	D	µg/L	10	9/18/2018 9:50:10 PM
Benzo(g,h,i)perylene	ND	5.0	D	µg/L	10	9/18/2018 9:50:10 PM
Indeno(1,2,3-cd)pyrene	ND	5.0	D	µg/L	10	9/18/2018 9:50:10 PM
Surr: N-hexadecane	79.5	35.2-113	D	%Rec	10	9/18/2018 9:50:10 PM
Surr: Benzo(e)pyrene	69.0	48.3-123	D	%Rec	10	9/18/2018 9:50:10 PM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.50		mg/L	200	9/12/2018 4:57:00 PM
Toluene	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
Ethylbenzene	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
1,2,4-Trimethylbenzene	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
1,3,5-Trimethylbenzene	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
1,2-Dichloroethane (EDC)	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM

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
PQL	Practical Quanitative Limit	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 **1809431**
Date Reported: **10/2/2018**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Project: Lybrook
Lab ID: 1809431-001 **Matrix:** AQUEOUS

Client Sample ID: BGT
Collection Date: 9/5/2018 11:42:00 AM
Received Date: 9/7/2018 6:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
1,2-Dibromoethane (EDB)	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
Naphthalene	ND	0.40		mg/L	200	9/12/2018 4:57:00 PM
1-Methylnaphthalene	ND	0.80		mg/L	200	9/12/2018 4:57:00 PM
2-Methylnaphthalene	ND	0.80		mg/L	200	9/12/2018 4:57:00 PM
Acetone	ND	2.0		mg/L	200	9/12/2018 4:57:00 PM
Bromobenzene	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
Bromodichloromethane	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
Bromoform	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
Bromomethane	ND	0.60		mg/L	200	9/12/2018 4:57:00 PM
2-Butanone	ND	2.0		mg/L	200	9/12/2018 4:57:00 PM
Carbon disulfide	ND	2.0		mg/L	200	9/12/2018 4:57:00 PM
Carbon Tetrachloride	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
Chlorobenzene	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
Chloroethane	ND	0.40		mg/L	200	9/12/2018 4:57:00 PM
Chloroform	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
Chloromethane	ND	0.60		mg/L	200	9/12/2018 4:57:00 PM
2-Chlorotoluene	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
4-Chlorotoluene	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
cis-1,2-DCE	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
cis-1,3-Dichloropropene	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
1,2-Dibromo-3-chloropropane	ND	0.40		mg/L	200	9/12/2018 4:57:00 PM
Dibromochloromethane	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
Dibromomethane	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
1,2-Dichlorobenzene	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
1,3-Dichlorobenzene	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
1,4-Dichlorobenzene	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
Dichlorodifluoromethane	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
1,1-Dichloroethane	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
1,1-Dichloroethene	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
1,2-Dichloropropane	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
1,3-Dichloropropane	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
2,2-Dichloropropane	ND	0.40		mg/L	200	9/12/2018 4:57:00 PM
1,1-Dichloropropene	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
Hexachlorobutadiene	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
2-Hexanone	ND	2.0		mg/L	200	9/12/2018 4:57:00 PM
Isopropylbenzene	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
4-Isopropyltoluene	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
4-Methyl-2-pentanone	ND	2.0		mg/L	200	9/12/2018 4:57:00 PM
Methylene Chloride	ND	0.60		mg/L	200	9/12/2018 4:57:00 PM

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
PQL	Practical Quanitative Limit	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 **1809431**
Date Reported: **10/2/2018**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates
Project: Lybrook
Lab ID: 1809431-001 **Matrix:** AQUEOUS

Client Sample ID: BGT
Collection Date: 9/5/2018 11:42:00 AM
Received Date: 9/7/2018 6:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
n-Butylbenzene	ND	0.60		mg/L	200	9/12/2018 4:57:00 PM
n-Propylbenzene	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
sec-Butylbenzene	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
Styrene	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
tert-Butylbenzene	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
1,1,1,2-Tetrachloroethane	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
1,1,2,2-Tetrachloroethane	ND	0.40		mg/L	200	9/12/2018 4:57:00 PM
Tetrachloroethene (PCE)	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
trans-1,2-DCE	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
trans-1,3-Dichloropropene	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
1,2,3-Trichlorobenzene	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
1,2,4-Trichlorobenzene	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
1,1,1-Trichloroethane	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
1,1,2-Trichloroethane	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
Trichloroethene (TCE)	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
Trichlorofluoromethane	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
1,2,3-Trichloropropane	ND	0.40		mg/L	200	9/12/2018 4:57:00 PM
Vinyl chloride	ND	0.20		mg/L	200	9/12/2018 4:57:00 PM
Xylenes, Total	ND	0.30		mg/L	200	9/12/2018 4:57:00 PM
Surr: 1,2-Dichloroethane-d4	97.4	70-130		%Rec	200	9/12/2018 4:57:00 PM
Surr: 4-Bromofluorobenzene	97.5	70-130		%Rec	200	9/12/2018 4:57:00 PM
Surr: Dibromofluoromethane	100	70-130		%Rec	200	9/12/2018 4:57:00 PM
Surr: Toluene-d8	93.1	70-130		%Rec	200	9/12/2018 4:57:00 PM

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
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9240 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	180911033
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1809431
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	180911033-001	**Sampling Date**	9/5/2018	**Date/Time Received**	9/11/2018 11:28 AM
Client Sample ID	1809431-001D / BGT	**Sampling Time**	11:42 AM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide (reactive)	ND	mg/L	0.1	9/14/2018 10:40:00 AM	BKP	SW846 CH7	
Flashpoint	>200	°F		9/13/2018 4:40:00 PM	GPB	EPA 1010	
pH	6.45	ph Units		9/12/2018 11:00:00 AM	LAC	SM 4500pH-B	
Reactive sulfide	0.236	mg/L	0.2	9/11/2018 1:30:00 PM	ETL	SW846 CH7	

Authorized Signature

Todd Taruscio, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013;NV:ID00013; OR:ID200001-002; WA:C585
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0085; FL(NELAP): E871099

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	180911033
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1809431
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Cyanide (reactive)	0.561	mg/L	0.5	112.2	80-120	9/13/2018	9/14/2018
Reactive sulfide	0.180	mg/L	0.2	90.0	70-130	9/11/2018	9/11/2018

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
180911034-001	Reactive sulfide	0.505	0.816	mg/L	0.389	79.9	70-130	9/11/2018	9/11/2018
180911033-001	Cyanide (reactive)	ND	0.544	mg/L	0.5	108.8	80-120	9/13/2018	9/14/2018

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Cyanide (reactive)	0.540	mg/L	0.5	108.0	0.7	0-25	9/13/2018	9/14/2018

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Cyanide (reactive)	ND	mg/L	1	9/13/2018	9/14/2018
Reactive sulfide	ND	mg/L	0.1	9/11/2018	9/11/2018

AR	Acceptable Range
ND	Not Detected
PQL	Practical Quantitation Limit
RPD	Relative Percentage Difference

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013,NV:ID00013, OR:ID200001-002; WA:C585
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1809431

02-Oct-18

Client: Souder, Miller and Associates

Project: Lybrook

Sample ID **100ng lcs**	SampType: **LCS**			TestCode: **EPA Method 8260B: VOLATILES**					
Client ID: **LCSW**	Batch ID: **A54097**			RunNo: **54097**					
Prep Date:	Analysis Date: **9/12/2018**			SeqNo: **1789046**		Units: **µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	104	70	130			
Toluene	19	1.0	20.00	0	94.3	70	130			
Chlorobenzene	19	1.0	20.00	0	97.2	70	130			
1,1-Dichloroethene	21	1.0	20.00	0	107	70	130			
Trichloroethene (TCE)	20	1.0	20.00	0	98.8	70	130			
Surr: 1,2-Dichloroethane-d4	9.8		10.00		98.4	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		97.8	70	130			
Surr: Dibromofluoromethane	10		10.00		103	70	130			
Surr: Toluene-d8	9.3		10.00		93.1	70	130			

Sample ID **rb**	SampType: **MBLK**			TestCode: **EPA Method 8260B: VOLATILES**					
Client ID: **PBW**	Batch ID: **A54097**			RunNo: **54097**					
Prep Date:	Analysis Date: **9/12/2018**			SeqNo: **1789047**		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
PQL	Practical Quanitative Limit	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#: 1809431

02-Oct-18

Client: Souder, Miller and Associates
Project: Lybrook

Sample ID **rb**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBW**	Batch ID: **A54097**	RunNo: **54097**
Prep Date:	Analysis Date: **9/12/2018**	SeqNo: **1789047** 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
PQL	Practical Quanitative Limit	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#: 1809431

02-Oct-18

Client: Souder, Miller and Associates
Project: Lybrook

Sample ID rb	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES							
Client ID: PBW	Batch ID: A54097	RunNo: 54097							
Prep Date:	Analysis Date: 9/12/2018	SeqNo: 1789047	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	9.6		10.00		95.8	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		99.4	70	130			
Surr: Dibromofluoromethane	10		10.00		101	70	130			
Surr: Toluene-d8	9.4		10.00		94.3	70	130			

Sample ID 1809431-001ams	SampType: MS	TestCode: EPA Method 8260B: VOLATILES							
Client ID: BGT	Batch ID: A54097	RunNo: 54097							
Prep Date:	Analysis Date: 9/12/2018	SeqNo: 1789053	Units: mg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	4.1	0.20	4.000	0	101	60.5	137			
Toluene	3.7	0.20	4.000	0	93.4	70	130			
Chlorobenzene	3.8	0.20	4.000	0	94.1	70	130			
1,1-Dichloroethene	4.2	0.20	4.000	0	104	70	130			
Trichloroethene (TCE)	3.8	0.20	4.000	0	95.6	70	130			
Surr: 1,2-Dichloroethane-d4	1.9		2.000		93.7	70	130			
Surr: 4-Bromofluorobenzene	2.0		2.000		99.3	70	130			
Surr: Dibromofluoromethane	2.0		2.000		101	70	130			
Surr: Toluene-d8	1.8		2.000		92.1	70	130			

Sample ID 1809431-001amsd	SampType: MSD	TestCode: EPA Method 8260B: VOLATILES							
Client ID: BGT	Batch ID: A54097	RunNo: 54097							
Prep Date:	Analysis Date: 9/12/2018	SeqNo: 1789054	Units: mg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	4.0	0.20	4.000	0	99.1	60.5	137	2.33	20	
Toluene	3.6	0.20	4.000	0	89.6	70	130	4.16	20	
Chlorobenzene	3.6	0.20	4.000	0	90.4	70	130	4.01	20	
1,1-Dichloroethene	4.0	0.20	4.000	0	100	70	130	3.80	20	
Trichloroethene (TCE)	3.7	0.20	4.000	0	92.5	70	130	3.39	20	
Surr: 1,2-Dichloroethane-d4	2.0		2.000		98.6	70	130	0	0	
Surr: 4-Bromofluorobenzene	1.9		2.000		96.8	70	130	0	0	
Surr: Dibromofluoromethane	2.0		2.000		101	70	130	0	0	
Surr: Toluene-d8	1.8		2.000		89.8	70	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
PQL	Practical Quanitative Limit	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#: 1809431
02-Oct-18

Client: Souder, Miller and Associates
Project: Lybrook

Sample ID lcs-40295	SampType: LCS	TestCode: EPA Method 8270C: PAHs							
Client ID: LCSW	Batch ID: 40295	RunNo: 54237							
Prep Date: 9/12/2018	Analysis Date: 9/18/2018	SeqNo: 1794213	Units: µg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	12	0.50	20.00	0	60.2	28.6	113			
1-Methylnaphthalene	14	0.50	20.00	0	71.0	27	113			
2-Methylnaphthalene	13	0.50	20.00	0	62.8	26.3	112			
Acenaphthylene	13	0.50	20.00	0	65.7	36.2	114			
Acenaphthene	12	0.50	20.00	0	58.9	35.6	116			
Fluorene	13	0.50	20.00	0	62.8	38.4	116			
Phenanthrene	13	0.50	20.00	0	66.3	42.3	118			
Anthracene	13	0.50	20.00	0	65.6	42.2	117			
Fluoranthene	14	0.50	20.00	0	71.9	42.5	118			
Pyrene	16	0.50	20.00	0	77.6	40.8	121			
Benz(a)anthracene	15	0.50	20.00	0	74.5	43	118			
Chrysene	14	0.50	20.00	0	69.9	39.4	119			
Benzo(b)fluoranthene	14	0.50	20.00	0	67.5	47.8	115			
Benzo(k)fluoranthene	15	0.50	20.00	0	75.0	40.5	120			
Benzo(a)pyrene	14	0.50	20.00	0	68.1	41.5	115			
Dibenz(a,h)anthracene	11	0.50	20.00	0	55.8	48.6	115			
Benzo(g,h,i)perylene	12	0.50	20.00	0	62.2	42	119			
Indeno(1,2,3-cd)pyrene	14	0.50	20.00	0	69.6	42.9	118			
Surr: N-hexadecane	65		87.60		73.9	35.2	113			
Surr: Benzo(e)pyrene	18		20.00		90.8	48.3	123			

Sample ID lcsd-40295	SampType: LCSD	TestCode: EPA Method 8270C: PAHs							
Client ID: LCSS02	Batch ID: 40295	RunNo: 54237							
Prep Date: 9/12/2018	Analysis Date: 9/18/2018	SeqNo: 1794214	Units: µg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	11	0.50	20.00	0	55.1	28.6	113	8.85	40.7	
1-Methylnaphthalene	13	0.50	20.00	0	64.0	27	113	10.4	38.4	
2-Methylnaphthalene	12	0.50	20.00	0	57.7	26.3	112	8.46	25.5	
Acenaphthylene	13	0.50	20.00	0	66.3	36.2	114	0.909	34.1	
Acenaphthene	12	0.50	20.00	0	61.6	35.6	116	4.48	32.1	
Fluorene	13	0.50	20.00	0	65.9	38.4	116	4.82	28	
Phenanthrene	14	0.50	20.00	0	68.1	42.3	118	2.68	37.4	
Anthracene	13	0.50	20.00	0	65.6	42.2	117	0	36.2	
Fluoranthene	15	0.50	20.00	0	74.8	42.5	118	3.95	26.6	
Pyrene	14	0.50	20.00	0	69.0	40.8	121	11.7	26.8	
Benz(a)anthracene	13	0.50	20.00	0	64.7	43	118	14.1	25.1	
Chrysene	12	0.50	20.00	0	61.1	39.4	119	13.4	23.3	
Benzo(b)fluoranthene	14	0.50	20.00	0	69.7	47.8	115	3.21	22.5	

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
PQL	Practical Quanitative Limit	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#: 1809431
02-Oct-18

Client: Souder, Miller and Associates
Project: Lybrook

Sample ID	lcsd-40295	SampType:	LCSD		TestCode:	EPA Method 8270C: PAHs				
Client ID:	LCSS02	Batch ID:	40295		RunNo:	54237				
Prep Date:	9/12/2018	Analysis Date:	9/18/2018		SeqNo:	1794214	Units:	µg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	15	0.50	20.00	0	73.3	40.5	120	2.29	30.9	
Benzo(a)pyrene	14	0.50	20.00	0	69.4	41.5	115	1.89	23.2	
Dibenz(a,h)anthracene	11	0.50	20.00	0	55.1	48.6	115	1.26	26.5	
Benzo(g,h,i)perylene	12	0.50	20.00	0	62.1	42	119	0.161	30.7	
Indeno(1,2,3-cd)pyrene	14	0.50	20.00	0	68.5	42.9	118	1.59	25.4	
Surr: N-hexadecane	61		87.60		70.0	35.2	113	0	0	
Surr: Benzo(e)pyrene	15		20.00		76.5	48.3	123	0	0	

Sample ID	mb-40295	SampType:	MBLK		TestCode:	EPA Method 8270C: PAHs				
Client ID:	PBW	Batch ID:	40295		RunNo:	54237				
Prep Date:	9/12/2018	Analysis Date:	9/18/2018		SeqNo:	1794215	Units:	µg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	ND	0.50								
1-Methylnaphthalene	ND	0.50								
2-Methylnaphthalene	ND	0.50								
Acenaphthylene	ND	0.50								
Acenaphthene	ND	0.50								
Fluorene	ND	0.50								
Phenanthrene	ND	0.50								
Anthracene	ND	0.50								
Fluoranthene	ND	0.50								
Pyrene	ND	0.50								
Benz(a)anthracene	ND	0.50								
Chrysene	ND	0.50								
Benzo(b)fluoranthene	ND	0.50								
Benzo(k)fluoranthene	ND	0.50								
Benzo(a)pyrene	ND	0.50								
Dibenz(a,h)anthracene	ND	0.50								
Benzo(g,h,i)perylene	ND	0.50								
Indeno(1,2,3-cd)pyrene	ND	0.50								
Surr: N-hexadecane	64		87.60		72.9	35.2	113			
Surr: Benzo(e)pyrene	16		20.00		81.5	48.3	123			

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
PQL	Practical Quanitative Limit	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#: 1809431

02-Oct-18

Client: Souder, Miller and Associates
Project: Lybrook

Sample ID	MB-40321	SampType:	MBLK	TestCode:	EPA Method 7470: Mercury					
Client ID:	PBW	Batch ID:	40321	RunNo:	54130					
Prep Date:	9/12/2018	Analysis Date:	9/13/2018	SeqNo:	1789572	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.00020								

Sample ID	LCS-40321	SampType:	LCS	TestCode:	EPA Method 7470: Mercury					
Client ID:	LCSW	Batch ID:	40321	RunNo:	54130					
Prep Date:	9/12/2018	Analysis Date:	9/13/2018	SeqNo:	1789573	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			

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
PQL	Practical Quanitative Limit	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#: 1809431
02-Oct-18

Client: Souder, Miller and Associates
Project: Lybrook

Sample ID	MB-40282	SampType:	MBLK	TestCode:	EPA 6010B: Total Recoverable Metals					
Client ID:	PBW	Batch ID:	40282	RunNo:	54168					
Prep Date:	9/11/2018	Analysis Date:	9/15/2018	SeqNo:	1791212	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								
Selenium	ND	0.050								
Silver	ND	0.0050								

Sample ID	LCS-40282	SampType:	LCS	TestCode:	EPA 6010B: Total Recoverable Metals					
Client ID:	LCSW	Batch ID:	40282	RunNo:	54168					
Prep Date:	9/11/2018	Analysis Date:	9/15/2018	SeqNo:	1791214	Units:	mg/L			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.49	0.020	0.5000	0	98.6	80	120			
Barium	0.51	0.020	0.5000	0	102	80	120			
Cadmium	0.52	0.0020	0.5000	0	103	80	120			
Chromium	0.49	0.0060	0.5000	0	98.6	80	120			
Selenium	0.50	0.050	0.5000	0	99.9	80	120			
Silver	0.11	0.0050	0.1000	0	107	80	120			

Sample ID	1809431-001CMS	SampType:	MS	TestCode:	EPA 6010B: Total Recoverable Metals					
Client ID:	BGT	Batch ID:	40282	RunNo:	54168					
Prep Date:	9/11/2018	Analysis Date:	9/15/2018	SeqNo:	1791226	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	99.4	75	125			
Barium	0.59	0.020	0.5000	0.07543	103	75	125			
Cadmium	0.51	0.0020	0.5000	0	103	75	125			
Chromium	0.49	0.0060	0.5000	0.002330	97.3	75	125			
Selenium	0.47	0.050	0.5000	0	94.7	75	125			
Silver	0.11	0.0050	0.1000	0	107	75	125			

Sample ID	1809431-001CMSD	SampType:	MSD	TestCode:	EPA 6010B: Total Recoverable Metals					
Client ID:	BGT	Batch ID:	40282	RunNo:	54168					
Prep Date:	9/11/2018	Analysis Date:	9/15/2018	SeqNo:	1791227	Units:	mg/L			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.49	0.020	0.5000	0	97.4	75	125	2.05	20	
Barium	0.59	0.020	0.5000	0.07543	102	75	125	0.413	20	
Cadmium	0.51	0.0020	0.5000	0	102	75	125	0.193	20	
Chromium	0.49	0.0060	0.5000	0.002330	96.8	75	125	0.502	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
PQL	Practical Quanitative Limit	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#: 1809431
02-Oct-18

Client: Souder, Miller and Associates
Project: Lybrook

Sample ID	1809431-001CMSD	SampType:	MSD		TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	BGT	Batch ID:	40282		RunNo:	54168				
Prep Date:	9/11/2018	Analysis Date:	9/15/2018		SeqNo:	1791227	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Selenium	0.48	0.050	0.5000	0	96.5	75	125	1.95	20	
Silver	0.11	0.0050	0.1000	0	107	75	125	0.149	20	

Sample ID	LCS-40282	SampType:	LCS		TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	LCSW	Batch ID:	40282		RunNo:	54168				
Prep Date:	9/11/2018	Analysis Date:	9/15/2018		SeqNo:	1791247	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead	0.50	0.0050	0.5000	0	100	80	120			

Sample ID	MB-40282	SampType:	MBLK		TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	PBW	Batch ID:	40282		RunNo:	54168				
Prep Date:	9/11/2018	Analysis Date:	9/15/2018		SeqNo:	1791248	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead	ND	0.0050								

Sample ID	1809431-001CMS	SampType:	MS		TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	BGT	Batch ID:	40282		RunNo:	54168				
Prep Date:	9/11/2018	Analysis Date:	9/15/2018		SeqNo:	1791260	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead	0.51	0.0050	0.5000	0	102	75	125			

Sample ID	1809431-001CMSD	SampType:	MSD		TestCode:	EPA 6010B: Total Recoverable Metals				
Client ID:	BGT	Batch ID:	40282		RunNo:	54168				
Prep Date:	9/11/2018	Analysis Date:	9/15/2018		SeqNo:	1791261	Units:	mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead	0.51	0.0050	0.5000	0	101	75	125	0.576	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
PQL	Practical Quanitative Limit	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

Sample Log-In Check List

Client Name: SMA-FARM Work Order Number: 1809431 RcptNo: 1

Received By: Anne Thorne 9/7/2018 6:30:00 AM Anne Thorne

Completed By: Anne Thorne 9/10/2018 8:47:08 AM Anne Thorne

Reviewed By: ENM 9/10/18

Labeled by: JAB 09/10/18

Chain of Custody

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

Log In

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

# of preserved bottles checked for pH: 2 (<2 or >12 unless noted)
Adjusted? No
Checked by: JAB 09/10/18

Special Handling (if applicable)

15. 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:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
2	1.2	Good	Yes			

Chain-of-Custody Record

Client: SMA

Mailing Address: 401 W Broadway
Farmington NM 87401

Phone #: 505-325 7535

email or Fax#: Ashley Maxwell

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

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name:
Lybrook

Project #:

Project Manager:
Ashley Maxwell

Sampler:

On Ice: ☒ Yes ☐ No

Sample Temperature: 2 cooler 1-2

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. 1609431	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)	X RCI				Air Bubbles (Y or N)
9-5-18	1142	Aqus	BGT	Various	Various	001						X	X			X		X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
9/6/18	1530			9/6/18	1530
9/6/18	1748			09/07/18	0730

Remarks: 8260 Full List
Report TCLP compound at TCLP limit
Invoice Enterprise CC: Tom Long

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.

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 284144

COMMENTS

Operator: AGUA MOSS, LLC P.O. Box 600 Farmington, NM 87499	OGRID: 247130
	Action Number: 284144
	Action Type: [UF-DP] Discharge Permit (DISCHARGE PERMIT)

COMMENTS

Created By	Comment	Comment Date
cchavez	Quarterly Waste Analyses Information 2018	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
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

CONDITIONS

Action 284144

CONDITIONS

Operator: AGUA MOSS, LLC P.O. Box 600 Farmington, NM 87499	OGRID: 247130
	Action Number: 284144
	Action Type: [UF-DP] Discharge Permit (DISCHARGE PERMIT)

CONDITIONS

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