UICI - 5

WASTE ANALYSES INFO

2018

11-17-17

EXP IT NOUIS

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-138 Revised 08/01/11

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

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE
1. Generator Name and Address: Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401
2. Originating Site: Kutz Compressor Station
3. Location of Material (Street Address, City, State or ULSTR): UL N Section 31 Township 29 North Range 12 West; 36.723088, -108.088655, San Juan County, NM
4. Source and Description of Waste: Source: Water/Oil from the Non Exempt WasteWater Tanks and from the compressor skid drains. Description: Non Exempt/Non Hazardous Water from the compressor skids. Estimated Volume 100 yd3 bbls Known Volume (to be entered by the operator at the end of the haul) 47/ yd3/bbls
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS
I, Thomas Long , representative or authorized agent for Enterprise Products Operating do hereby Generator Signature Operation and Products Operating of the US Environmental Protection Agency's July 1988
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,
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: □ DENIED (Must Be Maintained As Permanent Record)
SIGNATURE: TELEPHONE NO.:
Surface Waste Management Facility Authorized Agent



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

Only

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1710E55

Client Sample ID: Kutz BGT

Date Reported: 11/16/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

 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						Analys	t: JLF
Mercury	ND	0.00020		mg/L	1	11/9/2017 5:00:36 PM	34923
EPA 6010B: TOTAL RECOVERABLE	METALS					Analys	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						Analys	t: DAM
Naphthalene	ND	25	D	μg/L	10	11/14/2017 12:04:21 P	
1-Methylnaphthalene	ND	25	D	μg/L	10	11/14/2017 12:04:21 P	
2-Methylnaphthalene	ND	25	D	μg/L	10	11/14/2017 12:04:21 P	
Acenaphthylene	ND	25	D	μg/L	10	11/14/2017 12:04:21 P	
Acenaphthene	ND	25	D	µg/L	10	11/14/2017 12:04:21 P	
Fluorene	ND	25	D	µg/L	10	11/14/2017 12:04:21 P	
Phenanthrene	ND	50	D	µg/L	10	11/14/2017 12:04:21 P	M 34769
Anthracene	ND	25	D	μg/L	10	11/14/2017 12:04:21 P	M 34769
Fluoranthene	ND	25	D	µg/L	10	11/14/2017 12:04:21 P	M 34769
Pyrene	ND	25	D	μg/L	10	11/14/2017 12:04:21 P	M 34769
Benz(a)anthracene	ND	25	D	μg/L	10	11/14/2017 12:04:21 P	M 34769
Chrysene	ND	25	D	µg/L	10	11/14/2017 12:04:21 P	M 34769
Benzo(b)fluoranthene	ND	25	D	μg/L	10	11/14/2017 12:04:21 P	M 34769
Benzo(k)fluoranthene	ND	25	D	µg/L	10	11/14/2017 12:04:21 P	M 34769
Benzo(a)pyrene	ND	25	D	µg/L	10	11/14/2017 12:04:21 P	M 34769
Dibenz(a,h)anthracene	ND	25	D	µg/L	10	11/14/2017 12:04:21 P	M 34769
Benzo(g,h,i)perylene	ND	25	D	µg/L	10	11/14/2017 12:04:21 P	M 34769
Indeno(1,2,3-cd)pyrene	ND	25	D	µg/L	10	11/14/2017 12:04:21 P	M 34769
Surr: N-hexadecane	0	34.2-111	SD	%Rec	10	11/14/2017 12:04:21 P	M 34769
Surr: Benzo(e)pyrene	0	39.3-124	SD	%Rec	10	11/14/2017 12:04:21 P	M 34769
EPA METHOD 8260B: VOLATILES						Analys	t: RAA
Benzene	240	50		µg/L	50	10/31/2017 6:20:00 AN	A4675
Toluene	470	50		μg/L	50	10/31/2017 6:20:00 AM	1 A4675
Ethylbenzene	ND	50		µg/L	50	10/31/2017 6:20:00 AN	1 A4675
Methyl tert-butyl ether (MTBE)	ND	50		µg/L	50	10/31/2017 6:20:00 AN	A467
1,2,4-Trimethylbenzene	ND	50		µg/L	50	10/31/2017 6:20:00 AM	A467
1,3,5-Trimethylbenzene	ND	50		µg/L	50	10/31/2017 6:20:00 AN	A A4675
1,2-Dichloroethane (EDC)	ND	50		μg/L	50	10/31/2017 6:20:00 AN	A4675

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 11
- P Sample pH Not In Range
- RL Reporting Detection Limit
- 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 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 Qua	l Units	DF	Date Analyzed	Batch		
EPA METHOD 8260B: VOLATILES		Andrew F	1911	1111	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	A4675		
1-Methylnaphthalene	ND	200	μg/L	50	10/31/2017 6:20:00 AM	A4675		
2-Methylnaphthalene	ND	200	μg/L	50	10/31/2017 6:20:00 AM	A4675		
Acetone	ND	500	μg/L	50	10/31/2017 6:20:00 AM	A4675		
Bromobenzene	ND	50	μg/L	50	10/31/2017 6:20:00 AM	A4675		
Bromodichloromethane	ND	50	μg/L	50	10/31/2017 6:20:00 AM	A4675		
Bromoform	ND	50	μg/L	50	10/31/2017 6:20:00 AM	A4675		
Bromomethane	ND	150	μg/L	50	10/31/2017 6:20:00 AM	A4675		
2-Butanone	ND	500	μg/L	50	10/31/2017 6:20:00 AM	A4675		
Carbon disulfide	ND	500	μg/L	50	10/31/2017 6:20:00 AM	A4675		
Carbon Tetrachloride	ND	50	μg/L	50	10/31/2017 6:20:00 AM	A4675		
Chlorobenzene	ND	50	μg/L	50	10/31/2017 6:20:00 AM	A4675		
Chloroethane	ND	100	μg/L	50	10/31/2017 6:20:00 AM	A4675		
Chloroform	ND	50	μg/L	50	10/31/2017 6:20:00 AM	A4675		
Chloromethane	ND	150	μg/L	50	10/31/2017 6:20:00 AM	A4675		
2-Chlorotoluene	ND	50	μg/L	50	10/31/2017 6:20:00 AM	A4675		
4-Chlorotoluene	ND	50	µg/L	50	10/31/2017 6:20:00 AM	A4675		
cis-1,2-DCE	ND	50	μg/L	50	10/31/2017 6:20:00 AM	A4675		
cis-1,3-Dichloropropene	ND	50	μg/L	50	10/31/2017 6:20:00 AM	A4675		
1,2-Dibromo-3-chloropropane	ND	100	μg/L	50	10/31/2017 6:20:00 AM	A4675		
Dibromochloromethane	ND	50	μg/L	50	10/31/2017 6:20:00 AM	A4675		
Dibromomethane	ND	50	μg/L	50	10/31/2017 6:20:00 AM	A4675		
1,2-Dichlorobenzene	ND	50	μg/L	50	10/31/2017 6:20:00 AM	A4675		
1,3-Dichlorobenzene	ND	50	µg/L	50	10/31/2017 6:20:00 AM	A4675		
1,4-Dichlorobenzene	ND	50	μg/L	50	10/31/2017 6:20:00 AM	A4675		
Dichlorodifluoromethane	ND	50	µg/L	50	10/31/2017 6:20:00 AM	A4675		
1,1-Dichloroethane	ND	50	μg/L	50	10/31/2017 6:20:00 AM	A4675		
1,1-Dichloroethene	ND	50	μg/L	50	10/31/2017 6:20:00 AM	A4675		
1,2-Dichloropropane	ND	50	μg/L	50	10/31/2017 6:20:00 AM	A4675		
1,3-Dichloropropane	ND	50	μg/L	50	10/31/2017 6:20:00 AM	A4675		
2,2-Dichloropropane	ND	100	μg/L	50	10/31/2017 6:20:00 AM	A4675		
1,1-Dichloropropene	ND	50	μg/L	50	10/31/2017 6:20:00 AM	A4675		
Hexachlorobutadiene	ND	50	μg/L	50	10/31/2017 6:20:00 AM	A4675		
2-Hexanone	ND	500	μg/L	50	10/31/2017 6:20:00 AM	A4675		
Isopropylbenzene	ND	50	µg/L	50	10/31/2017 6:20:00 AM	A4675		
4-Isopropyltoluene	ND	50	μg/L	50	10/31/2017 6:20:00 AM	A4675		
4-Methyl-2-pentanone	ND	500	μg/L	50	10/31/2017 6:20:00 AM	A4675		
Methylene Chloride	ND	150	µg/L	50	10/31/2017 6:20:00 AM	A4675		

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 2 of 11
- P Sample pH Not In Range
- RL Reporting Detection Limit
- 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

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 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	A4675
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.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 3 of 11
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1710E55

16-Nov-17

Client:

Souder, Miller and Associates

Project: Kutz CS

Sample ID 100ng lcs2	Samp	SampType: LCS TestCode: EPA Me						d 8260B: VOLATILES					
Client ID: LCSW	Batc	h ID: A4	6753	F	RunNo: 46753								
Prep Date:	Analysis [Date: 10	0/31/2017	8	SeqNo: 1	489928	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	100		MANUE T			
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	SampT	ype: ME	BLK	TestCode: EPA Method 8260B: VOLATILES						
Client ID: PBW	Batcl	h ID: A4	6753	F	RunNo: 4	6753				
Prep Date:	Analysis [Date: 10	0/31/2017		SeqNo: 1	489929	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0						VALUE OF THE		THE VE
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.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Page 4 of 11

Hall Environmental Analysis Laboratory, Inc.

WO#: 1710E55

16-Nov-17

Client: Souder, Miller and Associates

Project: Kutz CS

Sample ID rb2	Samp	Type: ME	BLK	Tes	tCode: El	PA Method	8260B: VOL	ATILES		
Client ID: PBW	Batc	h ID: A4	6753	F	RunNo: 4	6753				
Prep Date:	Analysis [Date: 10	/31/2017		SeqNo: 1	489929	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-Chlorotoluene	ND	1.0	Maria Tra		School					
is-1,2-DCE	ND	1.0								
is-1,3-Dichloropropene	ND	1.0								
,2-Dibromo-3-chloropropane	ND	2.0								
ibromochloromethane	ND	1.0								
ibromomethane	ND	1.0								
2-Dichlorobenzene	ND	1.0								
3-Dichlorobenzene	ND	1.0								
4-Dichlorobenzene	ND	1.0								
ichlorodifluoromethane	ND	1.0								
,1-Dichloroethane	ND	1.0								
,1-Dichloroethene	ND	1.0								
,2-Dichloropropane	ND	1.0								
,3-Dichloropropane	ND	1.0								
,2-Dichloropropane	ND	2.0								
1-Dichloropropene	ND	1.0								
exachlorobutadiene	ND	1.0								
Hexanone	ND	10								
opropylbenzene	ND	1.0								
Isopropyltoluene	ND	1.0								
Methyl-2-pentanone	ND	10								
lethylene Chloride	ND	3.0								
-Butylbenzene	ND	3.0								
-Propylbenzene	ND	1.0								
ec-Butylbenzene	ND	1.0								
tyrene	ND	1.0								
ert-Butylbenzene	ND	1.0								
,1,1,2-Tetrachloroethane	ND	1.0								
1,2,2-Tetrachloroethane	ND	2.0								
etrachloroethene (PCE)	ND	1.0								
ans-1,2-DCE	ND	1.0								
ans-1,3-Dichloropropene	ND	1.0								
2,3-Trichlorobenzene	ND	1.0								
2,4-Trichlorobenzene	ND	1.0								
1,1-Trichloroethane	ND	1.0								
1,2-Trichloroethane	ND	1.0								
ichloroethene (TCE)	ND	1.0								
richlorofluoromethane	ND	1.0								
2,3-Trichloropropane	ND	2.0								

Qualifiers:

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

Page 5 of 11

Hall Environmental Analysis Laboratory, Inc.

WO#: 1710E55

16-Nov-17

Client: Souder, Miller and Associates

Project: Kutz CS

Sample ID rb2	SampType: MBLK Batch ID: A46753			Tes	TestCode: EPA Method 8260B: VOLATILES						
Client ID: PBW				F	RunNo: 4	6753					
Prep Date:	Analysis D	Date: 10	0/31/2017	S	SeqNo: 1	489929	Units: µg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Vinyl chloride	ND	1.0	HAT THE	THE TAX TO A TO A							
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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

ation limits Page 6 of 11

Hall Environmental Analysis Laboratory, Inc.

WO#: 1710E55

16-Nov-17

Client:

Souder, Miller and Associates

Project:

Kutz CS

Sample ID Ics-34769	SampT	ype: LC	S	Tes	tCode: El	PA Method	8270C: PAHs			
Client ID: LCSW	Batcl	h ID: 34	769	F	RunNo: 4	7113				
Prep Date: 11/2/2017	Analysis E	Date: 11	/14/2017	S	SeqNo: 1	503152	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			-04
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			
ndeno(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 Icsd-34769	Samp	Type: LC	SD	Tes	tCode: E	PA Method	8270C: PAHs			
Client ID: LCSS02	Batc	h ID: 34	769	F	RunNo: 47113					
Prep Date: 11/2/2017	Analysis [Date: 1	1/14/2017	5	SeqNo: 1	503153	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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Page 7 of 11

Hall Environmental Analysis Laboratory, Inc.

1710E55 WO#:

16-Nov-17

Client: Souder, Miller and Associates

Project: Kutz CS

Sample ID Icsd-34769	SampType: LCSD Batch ID: 34769 Analysis Date: 11/14/2017			Tes	TestCode: EPA Method 8270C: PAHs						
Client ID: LCSS02				F	RunNo: 4	7113					
Prep Date: 11/2/2017				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		
ndeno(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			Tes	tCode: E	PA Method	8270C: PAH			
Client ID: PBW	Batc	n ID: 34	769	F	RunNo: 4	7113				
Prep Date: 11/2/2017	Analysis D	Date: 11	1/14/2017	5	SeqNo: 1	503154	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	ND	0.50						187167		
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.
- Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded H
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits
- P Sample pH Not In Range
- Reporting Detection Limit
- Sample container temperature is out of limit as specified

Page 8 of 11

Hall Environmental Analysis Laboratory, Inc.

WO#: 1710E55

Page 9 of 11

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 POL 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 SegNo: 1500291 Units: mg/L

Analyte %REC Result PQL SPK value SPK Ref Val LowLimit **HighLimit** %RPD **RPDLimit** Qual

0.0052 0.00020 Mercury 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 %REC Result POL SPK value SPK Ref Val LowLimit HighLimit %RPD **RPDLimit** Qual

Mercury 0.0040 0.00020 0.005000 0.0001159 78.3 125

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 SegNo: 1500294 Units: mg/L

Analyte

PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Mercury 0.0040 0.00020 0.005000 0.0001159 78.5 75 0.227

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- POL Practical Quanitative Limit

- B Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Detection Limit

Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1710E55 16-Nov-17

Client:

Souder, Miller and Associates

Project: Kutz CS

Sample ID MB-34816 Client ID: PBW		Type: ME			TestCode: EPA 6010B: Total Recoverable Metals RunNo: 46888						
Prep Date: 11/4/2017	Analysis				SeqNo: 1		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									
_ead	ND	0.0050									
Selenium	ND	0.050									
Silver	ND	0.0050									

Sample ID LLLCS-34816	Samp	Type: LC	SLL	Tes	TestCode: EPA 6010B: Total Recoverable Metals							
Client ID: BatchQC	Batch ID: 34816			F	RunNo: 4	6888						
Prep Date: 11/4/2017	Analysis	Date: 11	1/6/2017	8	SeqNo: 1	495803	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		100			
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	Samp	Type: LC	S	Tes	tCode: El	PA 6010B:	Total Recove	rable Met	als	
Client ID: LCSW	Bato	h ID: 34	816	F	RunNo: 46888					
Prep Date: 11/4/2017	Analysis	Date: 11	1/6/2017	\$	SeqNo: 1	495804	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			
_ead	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	3	Tes	tCode:	EPA 6010B:	Total Recove	rable Met	als	
Client ID:	Kutz BGT	Batch ID	: 34	816	F	RunNo:	46888				
Prep Date:	11/4/2017	Analysis Date	: 11	1/6/2017		SeqNo:	1495834	Units: mg/L			
Analyte		Result F	QL	SPK value	SPK Ref Val	%REC	C LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic		0.57 0	.020	0.5000	0.02075	10	9 75	125	-1-1		7

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
 - Sample pH Not In Range

Page 10 of 11

RL Reporting Detection Limit

P

W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1710E55 16-Nov-17

Client:

Souder, Miller and Associates

Project:

Kutz CS

Sample ID 1710E55-001CMS	Samp	Type: MS	3	TestCode: EPA 6010B: Total Recoverable Metals							
Client ID: Kutz BGT	Bato	h ID: 34	816	F	RunNo: 4	6888					
Prep Date: 11/4/2017	Analysis	Date: 11	1/6/2017	\$	SeqNo: 1	495834	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				
ead	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 1710E55-001CMS	SD Samp	Type: MS	SD	Tes	tCode: E	PA 6010B:	Total Recove	rable Met	als		
Client ID: Kutz BGT	Bato	ch ID: 34	816	F	RunNo: 4	6888					
Prep Date: 11/4/2017	Analysis	Date: 11	1/6/2017		SeqNo: 1	495835	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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Page 11 of 11



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

Received By: Completed By: Reviewed By:	Sophia Cam Erin Melendr		10/27/20						
	Erin Melendr		1012/120	17 8:00:00	AM		Joshii Co-ga-	-	
Reviewed By:	1-1	rez	10/27/20	17 9:22:48	MA		Sophi Organ		
			10/27/	17					
Chain of Custo	od <u>v</u>								
1. Custody seals	s intact on sam	ple bottles?			Yes		No 🗆	Not Present	
2. Is Chain of Cu	ustody complet	te?			Yes	V	No 🗆	Not Present	
3. How was the	sample deliver	ed?			Cour	ier			
Log In									
4. Was an attern	npt made to co	ol the samp	les?		Yes	V	No 🗆	NA 🗆	
5. Were all samp	ples received a	it a tempera	ture of >0° C	to 6.0°C	Yes	V	No 🗆	NA 🗆	
6. Sample(s) in p	proper contain	er(s)?			Yes	V	No 🗆		
7. Sufficient sam	ple volume for	indicated te	est(s)?		Yes	V	No 🗆		
8. Are samples (except VOA ar	nd ONG) pro	perly preserv	ed?	Yes	V	No 🗌		
9. Was preservat	tive added to b	ottles?			Yes		No 🗹	NA 🗆	
10.VOA vials have	e zero headsp	ace?			Yes		No 🗆	No VOA Vials	
11. Were any san	nple containers	s received b	roken?		Yes		No 🔽	# of preserved	
12. Does paperwo (Note discrepa)		Yes	•	No 🗆	bottles checked for pH:	r >12 unless noted)
13. Are matrices of					Yes	~	No 🗆	Adjusted?	no
14. Is it clear what			?		Yes	~	No 🗆		DOC
15. Were all holdin (If no, notify cu					Yes	V	No 🗌	Checked by:	סחס
Special Handli	no (if applie	cable)							
16. Was client not			ith this order?		Yes		No 🗆	NA 🗹	
Person N	Notified:			Date:			2741-1400 (Laborator Special S		
By Whon	n: [Via:	еМа	ii 🔲	Phone Fax	☐ In Person	
Regardin	in the second se								
	structions:								
17. Additional rem									
18. Cooler Inform				Language					
Cooler No		Condition ood	Seal Intact Yes	Seal No .	Seal Da	ite	Signed By		

HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request	BTEX + MTBE + TMB's (8021) BTEX + MTBE + TPH (Gas only) TPH 8015B (GRO / DRO / MRO) TPH 8015B (GRO / DRO / MRO) TPH 8015B (GRO / DRO / MRO) EDB (Method 504.1) RCRA 8 Metals	X X	Memoritied laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly noticed on the analytical report.
Turn-Around Time: B-Standard Rush Project Name: Lutc CS Project #:	Project Manager: Sampler: [A X X X X Z] Sampler: [A X X X X Z] On fee	1/20 1/20 1/20 1/20 1/20 1/20 1/20 1/20	Received by: MAL Mount Time Received by: Date Time Date Time Date Time And C 10/27/17 0800 Innacted to other accredited laboratories. This serves as notice of this
Chain-of-Custody Record Client: Soussy Miller Assoc. Walling Address: 401 W. Rugdowsky Fram: Later Jun 87451 Phone #: 505 225 - 7525	Level 4 (Full Validation) 1 Other Alatrix Sample Request ID	126/17/4:30 Hz0 Lutz BGT	Time: Relinquished by: 1043

Page 17 of 170

District 1
1625 N. French Dr., Hobbs, NM 88240
District M
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

*Surface Waste Mana and Generator sh documentation availal

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 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 , 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 Protecti regulatory determination, the above described waste is: (Check the appropriate classification)	on Agency's July 1988
☐ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are exempt waste. Operator Use Only: Waste Acceptance Frequency ☐ Monthly ☐ Weekly ☐ Per Loa	
RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is the appropriate items)	in 40 CFR, part 261,
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide des	cription in Box 4)
GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDF.	ARMS
I, Thomas Long , representative for Enterprise Products Operating authorize <u>Gandy Corporation, Inc.</u> to <u>Generator Signature</u> the required testing/sign the Generator Waste Testing Certification.	o complete
I,	6 NMAC. The results
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-7 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:	The second second
☐ APPROVED ☐ DENIED (Must Be Maintaine	ed As Permanent Record)
PRINT NAME: TITLE: TELEPHONE NO.:	DATE:



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

andyl

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		μg/L	1	5/16/2018 11:53:55 AM	38085
2-Methylnaphthalene	ND	50		μg/L	1	5/16/2018 11:53:55 AM	38085
Acenaphthylene	ND	50		μg/L	1	5/16/2018 11:53:55 AM	38085
Acenaphthene	ND	50		μg/L	1	5/16/2018 11:53:55 AM	38085
Fluorene	ND	50	100	μg/L	1	5/16/2018 11:53:55 AM	38085
Phenanthrene	ND	50		μg/L	1	5/16/2018 11:53:55 AM	38085
Anthracene	ND	50		μg/L	1	5/16/2018 11:53:55 AM	38085
Fluoranthene	ND	50		μg/L	1	5/16/2018 11:53:55 AM	38085
Pyrene	ND	50		µg/L	1	5/16/2018 11:53:55 AM	38085
Benz(a)anthracene	ND	50		μg/L	1	5/16/2018 11:53:55 AM	38085
Chrysene	ND	50		μg/L	1	5/16/2018 11:53:55 AM	38085
Benzo(b)fluoranthene	ND	1000		µg/L	20	5/16/2018 1:38:36 PM	38085
Benzo(k)fluoranthene	ND	1000		μg/L	20	5/16/2018 1:38:36 PM	38085
Benzo(a)pyrene	ND	1000		μg/L	20	5/16/2018 1:38:36 PM	38085
Dibenz(a,h)anthracene	ND	1000		µg/L	20	5/16/2018 1:38:36 PM	38085
Benzo(g,h,i)perylene	ND	1000		µg/L	20	5/16/2018 1:38:36 PM	38085
Indeno(1,2,3-cd)pyrene	ND	1000		µg/L	20	5/16/2018 1:38:36 PM	38085
Surr: N-hexadecane	63.5	18.7-145		%Rec	1	5/16/2018 11:53:55 AM	38085
Surr: Benzo(e)pyrene	0	28.2-137		%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	B5114
Toluene	ND	0.20		mg/L		5/10/2018 1:46:00 AM	B5114
Ethylbenzene	ND	0.20		mg/L		5/10/2018 1:46:00 AM	B5114
Methyl tert-butyl ether (MTBE)	ND	0.20		mg/L		5/10/2018 1:46:00 AM	B5114
1,2,4-Trimethylbenzene	ND	0.20		mg/L		5/10/2018 1:46:00 AM	B5114
1,3,5-Trimethylbenzene	ND	0.20		mg/L		5/10/2018 1:46:00 AM	B5114
1,2-Dichloroethane (EDC)	ND	0.20		mg/L		5/10/2018 1:46:00 AM	B5114

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 10
- P Sample pH Not In Range
- RL Reporting Detection Limit
- 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 Qua	d 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.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 2 of 10
- P Sample pH Not In Range
- RL Reporting Detection Limit
- 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 Qua	l 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.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 3 of 10
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Result

deg F

DNF at 170

Analyte

Flashpoint

Qualifier

Dilution

Analysis

date / time

05/15/2018 12:55

1805469-001D HUEI Collected date/time: 05/08/18 15			SAM	PLE RE	SULTS - (D1	ONE LAB NATIONWI	
Wet Chemistry by Metho	d 4500 CN	V E-2011						li.
Analyte	Result mg/i	Qualifier	RDL mg/l	Dilution	Analysis date / time		Batch	- [ci
Reactive Cyanide	ND		0.00500	1	05/11/2018 13:43	*	<u>WG1109881</u> .	To
Wet Chemistry by Metho	d 4500H+	B-2011		v +				3 Ss
Analyte	Result .	Qualifier	Dilution	Analysis date / time	Batch	-		4
Corrosivity by pH	5.79	<u>T8</u>	1	05/11/2018 10:30	WG110993	37	41:	Cr
Sample Narrative: L992739-01 WG1109937: 5,79 at 10.50				30				Sr Is
Wet Chemistry by Metho	d 9034-90	308						°Q(
Analyte	Result	Qualifier	RDL mg/l	Dilution	Analysis date / time		Batch	⁷ Gl
Reactive Sulfide	0.949	e redució e espírio	0.0500	1	05/10/2018 22:26	***************************************	WG109629	A)
Wet Chemistry by Method	d D93/1010)A						

Batch

WG1110144

I/Bm

0.100 Ngm

Reactive Cyanide

Analyte

Page 23 of 170

05/15/18 13:51 DATE/TIME:

PROJECT: \$500:

Hall Environmental Analysis Laboratory

ACCOUNT

Reactive Cyanide

Analyte

MB Result

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

Wet Chemistry by Me

Ng/

PROJECT

Page 24 of 170

|DATE/TIME:

5DG:

Hall Environmental Analysis Laboratory ACCOUNT

Released to Imaging: 11/8/2023 4:41:28 PM

LCSD: 9.97 at 19.5C LCS: 9.97 at 19.4C Sample Narrative:

Spike Amount LCS Result

Wellows/

9.97

0.0T

Corrosivity by pH Analyte

DATE/TIME: 05/5/8 13:51

SDG. L992739

PROJECT

Half Environmental Analysis Laboratory ACCOUNT:

(MB) R3308826-1 05/10/18 22:15 MB Re Analyte	5/10/18 22:15 MB Result		-	-	the same of the last of the la	-					-			
unalyte	Mon	MB Qualifier	MB MDL	MB RDL										
Mindred arrangement are an arrangement	Analysis of the second second second		-	l/gm	The second second second									
Reactive Suifide	Ð		0.00650	0.0500									1	
aboratory Cor	Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)	CS) · Labo	oratory Con	trol Sample	e Duplicate	(CSD)				19.				
CS) R3308826-2 ((LCS) R3308826-2 05/10/18 22:15 • (LCSD) R3308826-3 05/10/18 22:16	SD) R3308826	-3 05/10/18 22	216							-			-
	Spike Amount	Spike Amount LCS Result	LCSD Result LCS Rec.	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier		LCSD Qualifier RPD	RPD Limits	nits			
Analyte	Ngm	l/6w	MgM	36	96	98			38	K				
Reactive Sulfide	0.500	0.511	0.515	102	103	85.0-115	NA PARAMETER AND ADDRESS OF THE PARAMETER AND	Wichight care or other contractions	0.780	92		The state of the s		
.991900-01 Or	L991900-01 Original Sample (OS) • Matrix Spike (MS) • Matrix	(OS) · Matr	ix Spilke (M		Spike Dup	Spike Duplicate (MSD)	(C							
25) L991900-01 05	(OS) L991900-01 05/10/18 22:21 • (N/S) R3308826-5 05/10/18 22:24 • (MSD) R3308	3308826-5 0	5/10/18 22:24	(MSD) R33088	826-6 05/10/18 22:24	22:24						-	-	
Analyto	Spike Amount	Spike Amount Original Result MS Result	It MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Ollution Rec. Limits	MS Qualifler	MSD Qualifier	RPD	RPD Limits	D	
ulary to	IIII	I A	IIII	5	R	70	destruction or other productions	R	STREET, STREET, STREET, STR.	The party of the last of the l	R	,c	Annual Comment	and of Fill Statements
Reactive Suffide	1.00	Q	0.525	0.502	48.7	46.4	-	80.0-120	97	97	4.48	. 20		

LCSD Rec.

LCS Rec.

LCSD Result deg F 82.8

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

Spike Amount LCS Result

deg F 828

deg F 82.0

Flashpoint Analyte

10

101

PROJECT: ACCOUNT: Hell Environmented Analysis Leboratory

Page 26 of 170

05/15/18 13:51 DATE/TIME

SDG. 1992739

Released to Imaging: 11/8/2023 4:41:28 PM

DUP Qualifier

Dilution DUP RPD

Original Result DUP Result

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

Wet Chemistry by Method D93/1010A

WGITIU144

0.000

DNF at 170

DNF at 170 deg F

Flashpoint

Analyte

Quality Control Summary (Qc)

Sample Chain of Custody (Sc)

Sample Results (Sr)

Sample Summary (Ss)

GLOSSARY OF TERMS

ONE LAB. NATIONWIDE.



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.

Cp

Tc

Ss

Cn

Sr

Qc

Abbreviations and Definitions

. To bre the thorns an	Na Delimiterio
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.

10		
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1		
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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.

samples from the time of collection until delivery to the laboratory for analysis.

times of preparation and/or analysis.

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.

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

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.

This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and

THE RESERVE OF THE PROPERTY OF	The business of the second	THE PARTY OF THE PARTY AND ADDRESS.			Participated of Exchange	COMPANSATION AND ADDRESS.	disconstant.
ACCOUNT:	TO THE REAL PROPERTY OF	PROJECT		SDG:		DATE/TIME:	32215
		Service Control of the Land					CONTRACTOR OF
Hall Environmental Analysis L	phoreton	PART TO PROPERTY AND ADDRESS.	THE OWNER OF THE PARTY OF THE P	L992739		5/15/18 13:51	SEE

Hall Environmental Analysis Laboratory, Inc.

WO#:

1805469

17-May-18

Client:

Souder, Miller and Associates

Project:

Huerfano

Sample ID 100ng lcs2	Samp	Type: LC	S	Tes	Code: El	PA Method	8260B: VOL	ATILES		
Client ID: LCSW	Batc	h ID: B5	1142	F	RunNo: 5	1142				
Prep Date:	Analysis I	Date: 5/	10/2018	8	SeqNo: 1	662299	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	Samp	Type: MI	BLK	Tes	tCode: El	PA Method	8260B: VOL	ATILES		
Client ID: PBW	Batc	h ID: B5	1142	F	RunNo: 5	1142				
Prep Date:	Analysis [Date: 5/	10/2018	8	SeqNo: 1	662300	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0						-		100
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.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

Value above quantitation range

Analyte detected below quantitation limits

Sample pH Not In Range Reporting Detection Limit

Sample container temperature is out of limit as specified

Page 4 of 10

Hall Environmental Analysis Laboratory, Inc.

WO#:

1805469

17-May-18

Client:

Souder, Miller and Associates

Project:

Huerfano

Sample ID rb2	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8260B: VOL	ATILES		
Client ID: PBW	Batch	n ID: B5	1142	F	RunNo: 5	1142				
Prep Date:	Analysis D	Date: 5/	10/2018	5	SeqNo: 1	662300	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-Chlorotoluene	ND	1.0					7.2			
is-1,2-DCE	ND	1.0								
is-1,3-Dichloropropene	ND	1.0								
,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
,2-Dichlorobenzene	ND	1.0								
,3-Dichlorobenzene	ND	1.0								
,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
,1-Dichloroethane	ND	1.0								
,1-Dichloroethene	ND	1.0								
,2-Dichloropropane	ND	1.0								
,3-Dichloropropane	ND	1.0								
,2-Dichloropropane	ND	2.0								
,1-Dichloropropene	ND	1.0								
lexachlorobutadiene	ND	1.0								
-Hexanone	ND	10								
sopropylbenzene	ND	1.0								
-Isopropyltoluene	ND	1.0								
-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
ec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
ert-Butylbenzene	ND	1.0								
,1,1,2-Tetrachloroethane	ND	1.0								
,1,2,2-Tetrachloroethane	ND	2.0								
Fetrachloroethene (PCE)	ND	1.0								
rans-1,2-DCE	ND	1.0								
rans-1,3-Dichloropropene	ND	1.0								
,2,3-Trichlorobenzene	ND	1.0								
2,4-Trichlorobenzene	ND	1.0								
,1,1-Trichloroethane	ND	1.0								
,1,2-Trichloroethane	ND	1.0								
richloroethene (TCE)	ND	1.0								
richlorofluoromethane	ND	1.0								
,2,3-Trichloropropane	ND	2.0								

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits

P Sample pH Not In Range

- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Page 5 of 10

Hall Environmental Analysis Laboratory, Inc.

WO#: 1805469

17-May-18

Client:

Souder, Miller and Associates

Project:

Huerfano

Sample ID rb2	Samp	ype: ME	BLK	Tes	tCode: E	PA Method	8260B: VOL	ATILES		
Client ID: PBW	Batc	h ID: B5	1142	F	RunNo: 5	1142				
Prep Date:	Analysis I	Date: 5/	10/2018	8	SeqNo: 1	662300	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.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 6 of 10

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1805469

17-May-18

Client:

Souder, Miller and Associates

Project:

Huerfano

Sample ID Ics-38085	Samp	Type: LC	S	Tes	tCode: E	PA Method	8270C: PAHs			
Client ID: LCSW	Batc	h ID: 38	085	F	RunNo: 8	51313				
Prep Date: 5/14/2018	Analysis I	Date: 5/	16/2018	5	SeqNo: 1	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 Icsd-38085	Samp	Type: LC	SD	Tes	tCode: E	PA Method	8270C: PAHs			
Client ID: LCSS02	Batc	h ID: 38	085	F	RunNo: 5	1313				
Prep Date: 5/14/2018	Analysis E	Date: 5/	16/2018	8	SeqNo: 1	668507	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vaphthalene	16	0.50	20.00	0	78.6	28.6	113	5.76	40.7	
-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	
cenaphthylene	18	0.50	20.00	0	88.0	36.2	114	10.3	34.1	
cenaphthene	18	0.50	20.00	0	87.8	35.6	116	7.81	32.1	
luorene	19	0.50	20.00	0	95.2	38.4	116	12.4	28	
henanthrene	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	
luoranthene	20	0.50	20.00	0	99.8	42.5	118	6.20	26.6	
yrene	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

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 7 of 10

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1805469

17-May-18

Client:

Souder, Miller and Associates

SampType: MBLK

Project:

Sample ID mb-38085

Huerfano

Sample ID Icsd-38085	SampType: LCSD Batch ID: 38085			TestCode: EPA Method 8270C: PAHs						
Client ID: LCSS02				F	RunNo: 5	1313				
Prep Date: 5/14/2018	Analysis D	Date: 5/	16/2018	8	SeqNo: 1	668507	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	

TestCode: EPA Method 8270C: PAHs

Secretary in the second		3 1					02.00.1741			
Client ID: PBW	Batch ID: 38085 Analysis Date: 5/16/2018			F	RunNo: 5	1313				
Prep Date: 5/14/2018				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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits

Page 8 of 10

- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1805469

17-May-18

Client:

Souder, Miller and Associates

Result

Project:

Huerfano

Sample ID MB-38054

SampType: MBLK

TestCode: EPA Method 7470: Mercury

Client ID: PBW

Batch ID: 38054

PQL

RunNo: 51205

Prep Date: 5/10/2018

Analysis Date: 5/11/2018

SeqNo: 1664313

SPK value SPK Ref Val %REC LowLimit

Units: mg/L HighLimit

%RPD **RPDLimit**

%RPD

Qual

Analyte Mercury

0.00020

Sample ID LCS-38054

5/10/2018

Client ID: LCSW

SampType: LCS Batch ID: 38054 TestCode: EPA Method 7470: Mercury

RunNo: 51205

Units: mg/L

Analyte

Prep Date:

Analysis Date: 5/11/2018

%REC

SeqNo: 1664314

RPDLimit Qual

SPK value SPK Ref Val 0.005000

Mercury

PQL 0.0050 0.00020

99.8

LowLimit

HighLimit

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix D

Holding times for preparation or analysis exceeded H

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

E Value above quantitation range

Analyte detected below quantitation limits

Page 9 of 10

Sample pH Not In Range

RL Reporting Detection Limit

Sample container temperature is out of limit as specified

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: 1	664542	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								

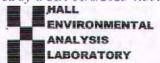
Sample ID LCS-38044	Samp	Type: LC	S	Tes	tCode: El	PA 6010B:	Total Recove	rable Met	als	
Client ID: LCSW	Bato	Batch ID: 38044			RunNo: 51217					
Prep Date: 5/10/2018	Analysis I	Date: 5/	11/2018	5	SeqNo: 1	664544	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	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			
ead	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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits

Page 10 of 10

- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified



tiali 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	er: 1805469		RcptNo	p: 1
14 , 1			*	4	2 1
Received By: Anne Thorne	5/9/2018 7:00:00 AM		ann II.		3 8 34 6
Completed By: Anne Thome	5/9/2018 8:24:47 AM		an An		F - 9 - 9
Reviewed By: My	05/09/18		um su		
Labeled by! Anot 109	118	***			
Chain of Custody					100
1. Is Chain of Custody complete?		Yes 🗹	No 🗆	Not Present	
2. How was the sample delivered?		Courier -			100
11-					
Log In 3. Was an attempt made to cool the samp	loe?	Yes 🗸	No 🗆	NA 🗆	
o. Was an attempt made to cool the samp	ies :	Tes 🖳	140	NA	
4. Were all samples received at a temperat	ture 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 to	est(s)?	Yes 🗹	No 🗆		
7. Are samples (except VOA and ONG) pro	operly preserved?	Yes 🗸	No 🗆		
8. Was preservative added to bottles?	21. \$20.000	Yes 🗌	No 🗸	NA 🗆	
9. VOA vials have zero headspace?		v . 🖸	No 🗆	No VOA Vials	
		Yes 🗸	No 🗹	NO VOA VIZIS	
Were any sample containers received by	roken?	Yes -	NO LE	# of preserved	
11. Does paperwork match bottle labels?		Yes 🗸	No 🗆	bottles checked for pH:	2
(Note discrepancies on chain of custody))			620	of >12 Inless noted)
Are matrices correctly identified on Chair		Yes 🗸	No L	Adjusted?	
13. Is it clear what analyses were requested	?	Yes 🗸	No 📙	Observed him	Moskara
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗸	No 🔲	Checked by:	1490210414
Special Handling (if applicable)					
15. Was client notified of all discrepancies v	with this order?	Yes L	No 🗆	NA 🗹	
Person Notified:	Date			_	
By Whom:	Via:	eMail P	hone Fax	In Person	
Regarding:					1
Client Instructions:					
16. Additional remarks:					
17. Cooler Information					
	Charles Commercial Com	and the same of th	the transfer between the		
Cooler No Temp °C Condition	Seal Intact Seal No Yes	Seal Date	Signed By		

Page 1 of 1

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

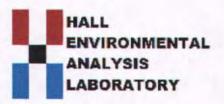
State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

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 Lexempt Water Tanks and from the compressor skids. Estimated Volume 160 _yd \(^1\) boly Known Volume (to be entered by the operator at the end of the haul) yd \(^3\) bbls 5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS 1, Thomas Long	1. Generator Name and Address: Enterprise Field Services, LLC, 61	4 Reilly Ave, Farmin	gton NM 87401		
4. Source and Description of Waste: Source: Water from the Non Exempt Water Tanks and from the compressor skid drains. Description: Non Exempt/Non Legardous Water from the compressor skid drains. Description: Non Exempt/Non Legardous Water from the compressor skid drains. Description: Non Exempt/Non Legardous Water from the compressor skid drains. S. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS I, Thomas Long		n			
Source: Water from the Non Exempt Water Tanks and from the compressor skid drains. Description: Non Exempt/Non Hearardous Water from the compressor skids. Estimated Volume 160 yd bold Known Volume (to be entered by the operator at the end of the haul) yd bold Nonwn Volume (to be entered by the operator at the end of the haul) yd bold Nonwn Volume (to be entered by the operator at the end of the haul) yd bold Nonwn Volume (to be entered by the operator at the end of the haul) yd bold Nonwn Volume (to be entered by the operator at the end of the haul) yd bold Nonwn Volume (to be entered by the operator at the end of the haul) yd bold Nonwn Volume (to be entered by the operator at the end of the haul) yd bold Nonwn Volume (to be entered by the operator at the end of the haul) yd bold Nonwn Volume (to be entered by the operator Use of the entered Nonwn Nonwn Volume (to Per Load Wester Schold) (to be entered by the entered Nonwn No	3. Location of Material (Street Ad UL H Section 16, T32N, R9W	ldress, City, State or 7; 36.987603, -107.77	ULSTR): 771		
I, Thomas Long Generator Signature certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 198 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 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. (Chec 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 1, Thomas Long representative for Enterprise Products Operating authorize to complete Generator Signature the required testing/sign the Generator Waste Testing Certification. 1, representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the sample 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. Transporter: To Be Determine OCO 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: Permoter Permit Source: Water from the Non Exempt Description: Non Exempt/Non Haza	t Water Tanks and fro	compressor skids.	nd of the haul)	yd³/bbls	
Generator Signature ctrify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 198 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 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 Prepresentative for Enterprise Products Operating authorize to complete Generator Signature the required testing/sign the Generator Waste Testing Certification. I, representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the sample 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. 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: Papproved Denied (Must Be Maintained As Permanent Reco	5. GEN	ERATOR CERTIFIC	CATION STATEMENT OF WA	STE STATUS	
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 to 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 samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the sample 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/A NW/4 Section 2, Township 29N, Range Crouch Mesa, NM Method of Treatment and/or Disposal: Permit Machine Permit Ma	Generator Signature certify that according to the Resource	Conservation and Re	covery Act (RCRA) and the US E	nvironmental Protection	n Agency's July 1988
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 1, Thomas Long Phane Land Phane LandFarms 1, Thomas Long Phane LandFarms 2, 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 sample 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: Perpoved Development Denies Determine Landfill Determine Control Department and Partment and					
GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS 1, Thomas Long	characteristics established in RC subpart D, as amended. The foll	RA regulations, 40 CI	FR 261.21-261.24, or listed hazard	ous waste as defined in	40 CFR, part 261,
I, Thomas Long Generator Signature the required testing/sign the Generator Waste Testing Certification. I,	☐ MSDS Information ☐ RCRA	Hazardous Waste Ana	alysis Process Knowledge	☐ Other (Provide desc	ription in Box 4)
Title: Generator Signature Comparison of the required testing/sign the Generator Waste Testing Certification.	GENERATOR 19.15.36	.15 WASTE TESTIN	NG CERTIFICATION STATEM	MENT FOR LANDFA	RMS
representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the sample 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 Reco	Generator Signature			omplete	
representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the sample 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 Reco	I. repre	sentative for	Agua Moss, LLC	do hereby ce	ertify that
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: DENIED (Must Be Maintained As Permanent Reco	representative samples of the oil field have been found to conform to the sp of the representative samples are atta	waste have been subjectific requirements ap	ected to the paint filter test and te	sted for chloride conter Section 15 of 19.15.36	nt and that the samples NMAC. The results
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: DENIED (Must Be Maintained As Permanent Reco	5. Transporter: To Be Determine				
Waste Acceptance Status: APPROVED DENIED (Must Be Maintained As Permanent Reco	Name and Facility Permit #: *Aguated Address of Facility: SW/4 NW/4 Somethood of Treatment and/or Disposal:	Moss, LLC - Permi ection 2, Township 29	9N, Range Crouch Mesa, NM	Landfill Other	
					d As Permanent Record
	PRINT NAME:		TITLE:	D	ATE:
SIGNATURE: TELEPHONE NO.: Surface Waste Management Facility Authorized Agent	SIGNATURE:		TELEPHONE NO.:		



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

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1803C56

Date Reported: 4/17/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Project: Rattlesnake

Lab ID: 1803C56-001 Client Sample ID: Rattlesnake Non Exempt

Collection Date: 3/21/2018 10:37:00 AM

Received Date: 3/22/2018 6:50:00 AM Matrix: AQUEOUS

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	B500
Toluene	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B500
Ethylbenzene	ND	0.20		μg/L	200	3/24/2018 7:26:00 AM	B500
Methyl tert-butyl ether (MTBE)	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B500
1,2,4-Trimethylbenzene	ND	0.20		μg/L	200	3/24/2018 7:26:00 AM	B500
1,3,5-Trimethylbenzene	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B500
1,2-Dichloroethane (EDC)	ND	0.20		µg/L	200	3/24/2018 7:26:00 AM	B500

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

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits Page 1 of 11
- Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Lab Order 1803C56

Date Reported: 4/17/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Client Sample ID: Rattlesnake Non Exempt

 Project:
 Rattlesnake
 Collection Date: 3/21/2018 10:37:00 AM

 Lab ID:
 1803C56-001
 Matrix: AQUEOUS
 Received Date: 3/22/2018 6:50:00 AM

Analyses	Result	PQL Q	ual 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.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 2 of 11
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1803C56

Date Reported: 4/17/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Project: Rattlesnake

Lab ID: 1803C56-001

Client Sample ID: Rattlesnake Non Exempt

Collection Date: 3/21/2018 10:37:00 AM

Matrix: AQUEOUS Received Date: 3/22/2018 6:50:00 AM

Analyses	Result	PQL Qua	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.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 3 of 11
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

1803C56-D01D RATTLESNAKE NON EXEMPT

Collected date/time: 03/21/18 10:37

SAMPLE RESULTS - 01

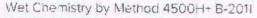
ONE LAB. NATIONWIDE.

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Wet Chemistry by Method 4500 CN E-2011

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



	Result	Qualifier	Dilution	Analysis	Batch
Analyte	Su			date / time	
Corrosivity by pH	5.51	<u>T8</u>	1	03/24/2018 09:51	WG1083515

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

Wet Chemistry by Method 9034-9030B

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

Wet Chemistry by Method D93/1010A

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

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ACCOUNT:

QUALITY CONTROL SUMMARY

1979336-01

ONE LAB, NATIONWIDE.

03/30/18 11:59 DATE/TIME: RPD Limits 20 LCSD Qualifier RPD 1.98 1979836 SDG LCS Qualifier Rec. Limits Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD) 85.0-115 LCSD Rec. 100 36 PROJECT: 0.00500 LCS Rec. 1/6m 102 35 (LCS) R3297645-2 03/30/18 07:47 • (LCSD) R3297645-3 03/30/18 07:48 LCSD Result 0.00180 0.100 mg/l Mg/l Spike Amount LCS Result 0.102 I/ôm Hall Environmental Analysis Laboratory

Analyte

Reactive Cyanide

MB RDL

MB MDL

MB Qualifier

MB Result

l/gm

0.100

Reactive Cyanide Analyte

l/gm

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

Method Blank (MB)

Wet Chemistry by Method 4500 CN E-2011

WG1090812

RPD Limits

5

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QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.

Wet Chemistry by Method 4500H+ B-2011

WG1088915

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

0.000 LCSD Qualifier RPD LCS Qualifier Rec. Limits 101-0.66 LCSD Rec. 8.66 LCSD Result LCS Rec. 8.66 (LCS) R3296058-1 03/24/18 09:51 • (LCSD) R3296058-2 03/24/18 09:51 9.98 NO. Spike Amount LCS Result 86.6 10.01 Su Corrosivity by pH Analyte

LCSD: 9.98 at 20C LCS: 9.98 at 20C Sample Narrative:

Released to Imaging: 11/8/2023 4:41:28 PM

Hall Environmental Analysis Laboratory

03/30/18 11:59 DATE/TIME:

1979836

SDG:

PROJECT:

ACCOUNT:

DATE/TIME: 03/30/18 11:59

SDG: L979836

PROJECT:

5 Ss Sc is Ū A ONE LAB. NATIONWIDE. RPD Limits 0.377 LCS Qualifier LCSD Qualifier RPD QUALITY CONTROL SUMMARY 1979836-01 Rec. Limits Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD) 85.0-115 LCSD Rec. 901 LCS Rec. MB RDL 0.0500 mg/l 36 901 (LCS) R3296823-2 03/27/18 17:39 • (LCSD) R3296823-3 03/27/18 17:39 LCSD Result MB MDL 0.00650 0.531 II/6m Mg/l MB Qualifier Spike Amount LCS Result 0.529 1/6m Wet Chemistry by Method 9034-9030B MB Result 0.500 (MB) R3296823-1 03/27/18 17:38 I/Gm l/gm Method Blank (MB) WG1089663 Reactive Sulfide Reactive Sulfide Analyte

ACCOUNT:
Hall Environmental Analysis Laboratory

DATE/TIME: 03/30/18 11:59

SDG: 1979836

PROJECT:

Wet Chemistry by Method D93/1010A	10A			JUALITY	QUALITY CONTROL SUMMARY	OL SUN	IMARY			ONE LAB, NATIONWIDE.	ived by
Sample (OS	15	L979838-01 Original Sample (OS) • Duplicate (DUP)	Ţ								and the same of the same
14:22 · (DUP) R3	296	(OS) L979838-01 03/27/18 14:22 • (DUP) R3296725-3 03/27/18 14:22	22								5
Original Result	DUP	Original Result DUP Result · Dilution DUP RPD	OUP RPD	DUP Qualifier Li	DUP RPD Limits						7
deg F	deg F		Sp.	96							U
DNF at 170	DNF	DNF at 170 1 0	0.000	10							1 50 C
Sample (I	CS	Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)	introl Sam	ple Duplicat	e (LCSD)						٦
3 14:22 · (LC	SD) R32	(LCS) R3296725-1 03/27/18 14:22 • (LCSD) R3296725-2 03/27/18 14:22	4:22						The special section of the section o		
Spike Amount LCS Result	IL LCS R	Result LCSD Result	t LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits		4.0
deg F	deg F	J bap	38	96	96			3€	38		'n
82.0	82.4	82.4	100	001	96.0-104			0.000	10		000
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Released to Imaging: 11/8/2023 4:41:28 PM

GLOSSARY OF TERMS

ONE LAB. NATIONWIDE.

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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.

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Sample Summary (Ss)

Description

T8

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

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.

Hall Environmental Analysis Laboratory, Inc.

WO#:

1803C56

17-Apr-18

Client:

Souder, Miller and Associates

Project:

Rattlesnake

Sample ID 100ng lcs2	SampT	ype: LC	S	Tes	tCode: El	PA Method	8260B: VOL	ATILES		
Client ID: LCSW	Batcl	h ID: B5	0039	F	RunNo: 5	0039				
Prep Date:	Analysis D	Date: 3/	24/2018	S	SeqNo: 1	620229	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	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8260B: VOL	ATILES		
Sample ID rb2 Client ID: PBW		Type: ME		2-57	tCode: El		8260B: VOL	ATILES		
		h ID: B5	60039	F		0039	8260B: VOL	ATILES		
Client ID: PBW	Batcl	h ID: B5	50039 (24/2018	F	RunNo: 5 SeqNo: 1	0039		ATILES %RPD	RPDLimit	Qual
Client ID: PBW Prep Date:	Batcl Analysis D	h ID: B5 Date: 3 /	50039 (24/2018	F S	RunNo: 5 SeqNo: 1	0039 620307	Units: µg/L		RPDLimit	Qual
Client ID: PBW Prep Date: Analyte	Batcl Analysis D Result	h ID: B5 Date: 3/ PQL	50039 (24/2018	F S	RunNo: 5 SeqNo: 1	0039 620307	Units: µg/L		RPDLimit	Qual
Client ID: PBW Prep Date: Analyte Benzene	Batcl Analysis D Result ND	PQL 1.0	50039 (24/2018	F S	RunNo: 5 SeqNo: 1	0039 620307	Units: µg/L		RPDLimit	Qual
Client ID: PBW Prep Date: Analyte Benzene Toluene	Batcl Analysis D Result ND ND	PQL 1.0 1.0	50039 (24/2018	F S	RunNo: 5 SeqNo: 1	0039 620307	Units: µg/L		RPDLimit	Qual
Client ID: PBW Prep Date: Analyte Benzene Toluene Ethylbenzene	Analysis D Result ND ND ND	PQL 1.0 1.0	50039 (24/2018	F S	RunNo: 5 SeqNo: 1	0039 620307	Units: µg/L		RPDLimit	Qual
Client ID: PBW Prep Date: Analyte Benzene Toluene Ethylbenzene Methyl tert-butyl ether (MTBE)	Analysis D Result ND ND ND ND	PQL 1.0 1.0 1.0 1.0	50039 (24/2018	F S	RunNo: 5 SeqNo: 1	0039 620307	Units: µg/L		RPDLimit	Qual
Client ID: PBW Prep Date: Analyte Benzene Toluene Ethylbenzene Methyl tert-butyl ether (MTBE) 1,2,4-Trimethylbenzene	Result ND	PQL 1.0 1.0 1.0 1.0 1.0	50039 (24/2018	F S	RunNo: 5 SeqNo: 1	0039 620307	Units: µg/L		RPDLimit	Qual
Client ID: PBW Prep Date: Analyte Benzene Toluene Ethylbenzene Methyl tert-butyl ether (MTBE) 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene	Result ND	PQL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	50039 (24/2018	F S	RunNo: 5 SeqNo: 1	0039 620307	Units: µg/L		RPDLimit	Qual
Client ID: PBW Prep Date: Analyte Benzene Toluene Ethylbenzene Methyl tert-butyl ether (MTBE) 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene 1,2-Dichloroethane (EDC)	Result ND	PQL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	50039 (24/2018	F S	RunNo: 5 SeqNo: 1	0039 620307	Units: µg/L		RPDLimit	Qual
Client ID: PBW Prep Date: Analyte Benzene Toluene Ethylbenzene Methyl tert-butyl ether (MTBE) 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene 1,2-Dichloroethane (EDC) 1,2-Dibromoethane (EDB)	Result ND ND ND ND ND ND ND ND ND N	PQL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	50039 (24/2018	F S	RunNo: 5 SeqNo: 1	0039 620307	Units: µg/L		RPDLimit	Qual
Client ID: PBW Prep Date: Analyte Benzene Toluene Ethylbenzene Methyl tert-butyl ether (MTBE) 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene 1,2-Dichloroethane (EDC) 1,2-Dibromoethane (EDB) Naphthalene	Result ND ND ND ND ND ND ND ND ND N	PQL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 2.0	50039 (24/2018	F S	RunNo: 5 SeqNo: 1	0039 620307	Units: µg/L		RPDLimit	Qual
Client ID: PBW Prep Date: Analyte Benzene Toluene Ethylbenzene Methyl tert-butyl ether (MTBE) 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene 1,2-Dichloroethane (EDC) 1,2-Dibromoethane (EDB) Naphthalene 1-Methylnaphthalene 2-Methylnaphthalene	Result ND	PQL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	50039 (24/2018	F S	RunNo: 5 SeqNo: 1	0039 620307	Units: µg/L		RPDLimit	Qual
Client ID: PBW Prep Date: Analyte Benzene Toluene Ethylbenzene Methyl tert-butyl ether (MTBE) 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene 1,2-Dichloroethane (EDC) 1,2-Dibromoethane (EDB) Naphthalene 1-Methylnaphthalene	Result ND	PQL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	50039 (24/2018	F S	RunNo: 5 SeqNo: 1	0039 620307	Units: µg/L		RPDLimit	Qual

Qualifiers:

Bromoform

2-Butanone

Bromomethane

Carbon disulfide

Chlorobenzene

Chloromethane

2-Chlorotoluene

Chloroethane

Chloroform

Carbon Tetrachloride

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND

1.0

3.0

10

10

1.0

1.0

2.0

1.0

3.0

1.0

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Page 4 of 11

Hall Environmental Analysis Laboratory, Inc.

WO#:

1803C56

17-Apr-18

Client: Souder, Miller and Associates

Project: Rattlesnake

Sample ID rb2	SampT	ype: ME	BLK	TestCode: EPA Method 8260B: VOLATILES								
Client ID: PBW	Batch	ID: B5	0039	F	RunNo: 50039							
Prep Date:	Analysis D	ate: 3/	24/2018	5	SeqNo: 1	620307	Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
-Chlorotoluene	ND	1.0	1889				ALC: NO					
sis-1,2-DCE	ND	1.0										
cis-1,3-Dichloropropene	ND	1.0										
,2-Dibromo-3-chloropropane	ND	2.0										
Dibromochloromethane	ND	1.0										
Dibromomethane	ND	1.0										
,2-Dichlorobenzene	ND	1.0										
,3-Dichlorobenzene	ND	1.0										
,4-Dichlorobenzene	ND	1.0										
Dichlorodifluoromethane	ND	1.0										
,1-Dichloroethane	ND	1.0										
,1-Dichloroethene	ND	1.0										
,2-Dichloropropane	ND	1.0										
,3-Dichloropropane	ND	1.0										
,2-Dichloropropane	ND	2.0										
,1-Dichloropropene	ND	1.0										
lexachlorobutadiene	ND	1.0										
-Hexanone	ND	10										
sopropylbenzene	ND	1.0										
-Isopropyltoluene	ND	1.0										
-Methyl-2-pentanone	ND	10										
Methylene Chloride	ND	3.0										
-Butylbenzene	ND	3.0										
-Propylbenzene	ND	1.0										
ec-Butylbenzene	ND	1.0										
Styrene	ND	1.0										
ert-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										
rans-1,2-DCE	ND	1.0										
rans-1,3-Dichloropropene	ND	1.0										
,2,3-Trichlorobenzene	ND	1.0										
,2,4-Trichlorobenzene	ND	1.0										
,1,1-Trichloroethane	ND	1.0										
,1,2-Trichloroethane	ND	1.0										
richloroethene (TCE)	ND	1.0										
richlorofluoromethane												
	ND	1.0										
1,2,3-Trichloropropane	ND	2.0										

Qualifiers:

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

Page 5 of 11

Hall Environmental Analysis Laboratory, Inc.

WO#:

1803C56

17-Apr-18

Client:

Souder, Miller and Associates

Project:

Rattlesnake

Sample ID rb2	SampT	ype: ME	BLK	Tes						
Client ID: PBW	Batch	Batch ID: B50039			RunNo: 50039					
Prep Date:	Analysis D	ate: 3/	24/2018	5	SeqNo: 1	620307	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0	-0.5363			YOUR STREET			Traves Traves	10-11-
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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Page 6 of 11

Hall Environmental Analysis Laboratory, Inc.

WO#:

1803C56

17-Apr-18

Client:

Souder, Miller and Associates

Project:

Rattlesnake

Sample ID Ics-37250	SampT	ype: LC	S	Tes	tCode: El	PA Method	8270C: PAHs			
Client ID: LCSW	Batcl	n ID: 37:	250	F	RunNo: 5	0184				
Prep Date: 3/27/2018	Analysis D	Date: 3/	29/2018		SeqNo: 1625683					
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 Icsd-37250	ole ID Icsd-37250 SampType: LCSD			TestCode: EPA Method 8270C: PAHs						
Client ID: LCSS02	Batcl	n ID: 37	250	F	RunNo: 5	0184				
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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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Page 7 of 11

Hall Environmental Analysis Laboratory, Inc.

SampType: MBLK

WO#:

1803C56

17-Apr-18

Client: Souder, Miller and Associates

Project: Rattlesnake

Sample ID mb-37250

Sample ID Icsd-37250	SampT	ype: LC	SD	Tes	tCode: El	PA Method	8270C: PAHs			
Client ID: LCSS02	Batcl	Batch ID: 37250			RunNo: 5					
Prep Date: 3/27/2018	Analysis D	Date: 3/	29/2018	\$	SeqNo: 1	625684	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
ndeno(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	

TestCode: EPA Method 8270C: PAHs

Client ID: PBW	Batc	h ID: 37	250	F	RunNo: 5	0184				
Prep Date: 3/27/2018	Analysis [Date: 3/	29/2018	8	SeqNo: 1	625685	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	ND	0.50					A Carren			
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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Page 8 of 11

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

SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Analyte PQL HighLimit 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

%RPD **RPDLimit** Qual Analyte SPK value SPK Ref Val **HighLimit** PQL %REC LowLimit

0.0058 0.00020 Mercury 0.005000

Sample ID LCSD-37260 SampType: LCSD TestCode: EPA Method 7470: Mercury

LCSS02 Client ID: Batch ID: 37260 RunNo: 50109

Analysis Date: 3/27/2018 Prep Date: 3/27/2018 Units: mg/L SeqNo: 1622637

SPK value SPK Ref Val %RPD **RPDLimit** Analyte %REC Qual **HighLimit** 0.0058 0.00020 116 1.01 Mercury 0.005000

Qualifiers:

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

Page 9 of 11

17-Apr-18

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1803C56

Client: Souder, Miller and Associates

Project: Rattlesnake

Sample ID MB-37317	Samp	SampType: MBLK TestCode: EPA 6010B: Total Recoverable Metals								
Client ID: PBW	Bate	ch ID: 37	317	F	RunNo: 5	0221				
Prep Date: 3/29/2018	Analysis	Date: 4/	1/2018	\$	SeqNo: 1	626784	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	ND	0.020						111	100	
Cadmium	ND	0.0020								
Chromium	ND	0.0060								
Selenium	ND	0.050								
Silver	ND	0.0050								
Sample ID LCS-37317	Samp	Type: LC	s	Tes	tCode: E	PA 6010B:	Total Recove	rable Met	als	
Client ID: LCSW	Bate	ch ID: 37	317	F	RunNo: 5	0221				
Prep Date: 3/29/2018	Analysis	Date: 4	1/2018	\$	SeqNo: 1	626785	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	Samr	Туре: М	RIK	Tes	tCode: F	PA 6010R-	Total Recove	rahle Met	ale	-
		The second second						rabio mot		
Client ID: PBW	Bat	ch ID: 37	31/	1	RunNo: 5	0385				

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

SPK value SPK Ref Val %REC LowLimit

SeqNo: 1632771

Units: mg/L

HighLimit

%RPD

RPDLimit

Page 10 of 11

100000000		A ID	0.000								
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Prep Date:	3/29/2018	Analysis D	ate: 4/	10/2018	8	SeqNo: 1	635288	Units: mg/L			
Client ID:	PBW	Batch	ID: 37	317	F	RunNo: 5	0427				
Sample ID	MB-37317	SampT	ype: ME	BLK	Tes	tCode: E	PA 6010B:	Total Recove	rable Meta	als	

Arsenic

Qualifiers:

Prep Date:

Analyte

3/29/2018

Analysis Date: 4/8/2018

PQL

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1803C56

17-Apr-18

Qual

Client:

Souder, Miller and Associates

Project:

Rattlesnake

Sample ID LCS-37317

SampType: LCS

TestCode: EPA 6010B: Total Recoverable Metals

Client ID: LCSW

RunNo: 50427

Prep Date: 3/29/2018 Batch ID: 37317

Units: mg/L

Analyte

Analysis Date: 4/10/2018

SeqNo: 1635289

%RPD **RPDLimit**

Result PQL SPK value SPK Ref Val %REC Arsenic 0.52 0.020 0.5000

104

LowLimit

80

HighLimit 120

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

Reporting Detection Limit RL

Sample container temperature is out of limit as specified

Page 11 of 11



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 Num	ber: 180	3C56			RcptNo	1
Received By: Anne Thorne	3/22/2018 6:50:00	AM		an	1		
Completed By: Anne Thorne	3/22/2018 12:08:55	PM		an	1		
Reviewed By: 820 03/22/18				cane.	di un		
		L	ah	eled	By	005	
Chain of Custody							
Is Chain of Custody complete?		Yes	V	No		Not Present	
2. How was the sample delivered?		Cou					
Log In			200				
Was an attempt made to cool the samples?		Yes	Y	No	Ш	NA 🗆	
A More all complex received at a transmit				No		🗆	
 Were all samples received at a temperature 	of >0° C to 6.0°C	Yes	V	NO		NA 🗆	
5. Sample(s) in proper container(s)?		Yes	V	No			
Sufficient sample volume for indicated test(s)			~	No			
7. Are samples (except VOA and ONG) proper	rly preserved?	Yes	V	No [
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 broke	en?	Yes		No			
						# of preserved bottles checked	
11. Does paperwork match bottle labels?		Yes	V	No [for pH:	2
(Note discrepancies on chain of custody)							>(12)unless noted)
2. Are matrices correctly identified on Chain of	Custody?		Y	No L		Adjusted?	VO
3. Is it clear what analyses were requested?		Yes	V	No L		Checked by:	705
Were all holding times able to be met? (If no, notify customer for authorization.)		Yes	V	No [Criecked by.	N N
Special Handling (if applicable)			-				
15. Was client notified of all discrepancies with	this order?	Yes		No		NA ⊻	
Person Notified:	Date	T	- Company		Mire or to a		
By Whom:	Via:	_ eM	ail 🔲	Phone	Fax	_ In Person	
Regarding:							
Client Instructions:							
16. Additional remarks:							
17. Cooler Information							
	eal Intact Seal No	Seal D	ate	Signed B	у		
1 1.0 Good Ye	s						
					v=1+ ·		
Page 1 of I							

FORY	(N 10	Y) səlddu8 viA		2 %
HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request	(VC	RS70 (Semi-VO	×	Person for Limits
IALL ENVIRONN NALYSIS LABO www.hallenvironmental.com ns NE - Albuquerque, NM 87- 5-3975 Fax 505-345-4107 Analysis Request			x	111 gg P
LYSIS LAE allenvironmental.cc - Albuquerque, NI Fax 505-345-	38 / 8082 PCB's	ebioitee9 1808		37 8
ANALYSIS ANALYSIS www.hallenvironme kins NE - Albuquer A45-3975 Fax 50	(°OS"Od"ON"ON	The second second second		11168
Anna Anna	(SMIS-QTSS)		X	35.5
ANAL ANAL www.hall Hawkins NE - 505-345-3975		EDB (Method	X	BZLOG FLUX Compaura Tankrons
I ⋖ , wkin	10.10.10.11	TPH (Method		3 kg
1 50 H	SRO / DRO / MRO)			le Co
4901 Tel.	(ýlno seð) H9T + E	1		Remarks: TOLP
	(FS08) s'BMT + E	BTEX + MTB		New Year
Project #:	Sampler: RW DN look No.		arians Vavaus 70	Wat to Oate Tim
d framp	D Level 4 (Full Validation)	OstiD	\$	Time: Relinquished by: Time: Relinquished by: 1811 Mat. Lage.
NM 874	EW PO			Ag pa
Client: SMP Mailing Address: 401 w Farmingbn, Nr Phone #: 505-325-	Cemail or Fax#: (15 NIEW) OA/OC Package: In Standard Accreditation In NELAP In Other	Matrix	Silbert St. Of	Relinquished by:
Client: SMPA Mailing Address: 40 Favmundipm Phone #: 505-32	OA/OC Package. Classification Accreditation NELAP	Time	15:01	Time: 1/2/5
Mailing Phone #	OA/OC Package D Standard Accreditation D NELAP	Date		3 July 16 16 16 16 16 16 16 16 16 16 16 16 16

Received by OCD: 11/8/2023 4:35:49 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

27 mAR Page 58 of 170

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
Sou Des	Source and Description of Waste: ree: reprintion: Hydrocarbon impacted soil associated blow down pit. reated Volume 500 yd 7 bbls Known Volume (to be entered by the operator at the end of the haul) yd 7 bbls
5.	GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS
cert	nomas Long, representative or authorized agent for Enterprise Products Operating do hereby Generator Signature fy that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 latory 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
	omas Long , representative for Enterprise Products Operating authorize <u>Agua Moss, LLC</u> to complete Generator Signature equired testing/sign the Generator Waste Testing Certification.
have of th	representative for Agua Moss, Inc. do hereby certify that esentative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results e representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 5.36 NMAC.
5.	Transporter: TO BE DETERMINED
N	Permitted Surface Waste Management Facility ame and Facility Permit #: *Agua Moss, LLC - Permit #: NM-01-009 ddress of Facility: SW/4 NW/4 Section 2, Township 29N, Range Crouch Mesa, NM
Met	nod of Treatment and/or Disposal: Evaporation Injection Treating Plant Landfarm Landfill Other
Was	te Acceptance Status: APPROVED DENIED (Must Be Maintained As Permanent Record)
PRI	NT NAME: DATE:
SIC	NATURE: TELEPHONE NO.: Surface Waste Management Facility Authorized Agent



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

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Project:

Chaco

Analytical Report Lab Order 1803601

Date Reported: 3/27/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates Client Sample ID: Chaco Non Exempt

Collection Date: 3/8/2018 10:32:00 AM Lab ID: 1803601-001 Matrix: AQUEOUS 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	
Naphthalene	ND	2.5	D	μg/L	1	3/15/2018 7:42:32 PM	36978
1-Methylnaphthalene	ND	2.5	D	μg/L 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	ug/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	R4972
Toluene	ND	0.20		μg/L	200	3/12/2018 6:54:00 PM	R4972
Ethylbenzene	ND	0.20		µg/L		3/12/2018 6:54:00 PM	R4972
Methyl tert-butyl ether (MTBE)	ND	0.20		μg/L		3/12/2018 6:54:00 PM	R4972
1,2,4-Trimethylbenzene	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R4972
1,3,5-Trimethylbenzene	ND	0.20		μg/L	200	3/12/2018 6:54:00 PM	R4972
1,2-Dichloroethane (EDC)	ND	0.20		µg/L	200	3/12/2018 6:54:00 PM	R4972

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 1 of 10 J
- Sample pH Not In Range
- Reporting Detection Limit
- Sample container temperature is out of limit as specified

Lab Order 1803601

Date Reported: 3/27/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Client Sample ID: Chaco Non Exempt

 Project:
 Chaco
 Collection Date: 3/8/2018 10:32:00 AM

 Lab ID:
 1803601-001
 Matrix: AQUEOUS
 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	R4972
Naphthalene	ND	0.40	µg/L	200 3/12/2018 6:54:00 PM	R4972
1-Methylnaphthalene	ND	0.80	μg/L	200 3/12/2018 6:54:00 PM	R4972
2-Methylnaphthalene	ND	0.80	µg/L	200 3/12/2018 6:54:00 PM	R4972
Acetone	ND	2.0	μg/L	200 3/12/2018 6:54:00 PM	R4972
Bromobenzene	ND	0.20	μg/L	200 3/12/2018 6:54:00 PM	R4972
Bromodichloromethane	ND	0.20	μg/L	200 3/12/2018 6:54:00 PM	R4972
Bromoform	ND	0.20	μg/L	200 3/12/2018 6:54:00 PM	R4972
Bromomethane	ND	0.60	μg/L	200 3/12/2018 6:54:00 PM	R4972
2-Butanone	ND	2.0	µg/L	200 3/12/2018 6:54:00 PM	R4972
Carbon disulfide	ND	2.0	μg/L	200 3/12/2018 6:54:00 PM	R4972
Carbon Tetrachloride	ND	0.20	μg/L	200 3/12/2018 6:54:00 PM	R4972
Chlorobenzene	ND	0.20	µg/L	200 3/12/2018 6:54:00 PM	R4972
Chloroethane	ND	0.40	μg/L	200 3/12/2018 6:54:00 PM	R4972
Chloroform	ND	0.20	μg/L	200 3/12/2018 6:54:00 PM	R4972
Chloromethane	ND	0.60	µg/L	200 3/12/2018 6:54:00 PM	R4972
2-Chlorotoluene	ND	0.20	μg/L	200 3/12/2018 6:54:00 PM	R4972
4-Chlorotoluene	ND	0.20	µg/L	200 3/12/2018 6:54:00 PM	R4972
cis-1,2-DCE	ND	0.20	µg/L	200 3/12/2018 6:54:00 PM	R4972
cis-1,3-Dichloropropene	ND	0.20	µg/L	200 3/12/2018 6:54:00 PM	R4972
1,2-Dibromo-3-chloropropane	ND	0.40	μg/L	200 3/12/2018 6:54:00 PM	R4972
Dibromochloromethane	ND	0.20	µg/L	200 3/12/2018 6:54:00 PM	R4972
Dibromomethane	ND	0.20	µg/L	200 3/12/2018 6:54:00 PM	R4972
1,2-Dichlorobenzene	ND	0.20	μg/L	200 3/12/2018 6:54:00 PM	R4972
1,3-Dichlorobenzene	ND	0.20	µg/L	200 3/12/2018 6:54:00 PM	R4972
1,4-Dichlorobenzene	ND	0.20	µg/L	200 3/12/2018 6:54:00 PM	R4972
Dichlorodifluoromethane	ND	0.20	μg/L	200 3/12/2018 6:54:00 PM	R4972
1,1-Dichloroethane	ND	0.20	µg/L	200 3/12/2018 6:54:00 PM	R4972
1,1-Dichloroethene	ND	0.20	μg/L	200 3/12/2018 6:54:00 PM	R4972
1,2-Dichloropropane	ND	0.20	µg/L	200 3/12/2018 6:54:00 PM	R4972
1,3-Dichloropropane	ND	0.20	μg/L	200 3/12/2018 6:54:00 PM	R4972
2,2-Dichloropropane	ND	0.40	μg/L	200 3/12/2018 6:54:00 PM	R4972
1,1-Dichloropropene	ND	0.20	μg/L	200 3/12/2018 6:54:00 PM	R4972
Hexachlorobutadiene	ND	0.20	μg/L	200 3/12/2018 6:54:00 PM	R4972
2-Hexanone	ND	2.0	μg/L	200 3/12/2018 6:54:00 PM	R4972
Isopropylbenzene	ND	0.20	μg/L	200 3/12/2018 6:54:00 PM	R4972
4-isopropyltoluene	ND	0.20	μg/L	200 3/12/2018 6:54:00 PM	R4972
4-Methyl-2-pentanone	ND	2.0	μg/L	200 3/12/2018 6:54:00 PM	R4972
Methylene Chloride	ND	0.60	μg/L	200 3/12/2018 6:54:00 PM	R4972

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

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J $\,$ Analyte detected below quantitation limits Page 2 of 10
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1803601

Date Reported: 3/27/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Client Sample ID: Chaco Non Exempt

Project: Chaco Collection Date: 3/8/2018 10:32:00 AM

Lab ID: 1803601-001

Matrix: AQUEOUS

Received Date: 3/10/2018 8:00:00 AM

Analyses	Result	PQL Qua	al 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		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		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		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.

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- Value above quantitation range E
- Analyte detected below quantitation limits Page 3 of 10 J
- P Sample pH Not In Range
- RL Reporting Detection Limit
- 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 Comments Water

Sampling Time 10:32 AM

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

This report shall not be reproduced except in full, without the written approval of the laboratory. 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

Batch #:

180313041

Address:

4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109

Project Name:

1803601

Attn:

ANDY FREEMAN

Analytical Results Report

Quality Control Data

Lab Control Sample									W/A 1 * 1 * 1
Parameter	LCS Resul	t Units	LCS	Spike	%Rec	AR %Rec	Prep	Date	Analysis Date
Reactive sulfide	0.160	mg/L		0.2	80.0	70-130	200000000000000000000000000000000000000	/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		LCSD			AR			
	Result	Units	Spike	%Rec	%RPD	%RPD	Prep I	Date	Analysis Date
Reactive sulfide	0.180	mg/L	0.2	90.0	11.8	0-25	3/22/2	2018	3/22/2018
Matrix Spike									
Sample Number Parameter		Sample	MS	11-14	M		AR		
180316029-001A Reactive sulfide		Result	Result 0.529	Units			%Rec	a property of the second	Analysis Date
180313041-001 Cyanide (reactive)		ND	5.08	mg/L			70-130	3/22/2018	
Oyande (reactive)		ND	5,08	mg/L	. 6	101.6	80-120	3/14/2018	3/14/2018
Matrix Spike Duplicate									
Parameter	MSD	- 20 (0)	MSD	-	The Mark	AR			
Cyanide (reactive)	Result	Units	Spike	%Re		70144		p Date	Analysis Date
Cyanide (reactive)	5.13	mg/L	5	102.	.6 1.	0 0-25	3/1	4/2018	3/14/2018
Method Blank	1 18 1								
Parameter		Res	sult	Uni	its	PQL	Pr	ep Date	Analysis Date
Cyanide (reactive)		ND	Per .	mg	/L	1		4/2018	3/14/2018
Reactive sulfide		ND		mg		0.1	3/2	2/2018	3/22/2018

AR ND Acceptable Range

PQL

Not Detected

Practical Quantitation Limit

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:C595; MT:Cert0095; FL(NELAP): E871099

Monday, March 26, 2018

Page 1 of 1

Hall Environmental Analysis Laboratory, Inc.

WO#: 1

1803601

27-Mar-18

Client:

Souder, Miller and Associates

Project:

Chaco

Sample ID 100ng Ics	Sampl	ype: LC	S	Tes	tCode: El	PA Method	8260B: VOL	ATILES		
Client ID: LCSW	Batc	h ID: R4	9721	F	RunNo: 4	9721				
Prep Date:	Analysis E	Analysis Date: 3/12/2018			SeqNo: 1	608099	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		W. Della C.	
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	Sampl	ype: MI	BLK	Tes	Code: El	PA Method	8260B: VOL	ATILES		
Client ID: PBW	Batcl	h ID: R4	9721	F	unNo: 4	9721				
Prep Date:	Analysis [Date: 3	12/2018	S	SeqNo: 1	608102	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0			10 E			TVB T		
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	4							
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Detection Limit

P

W Sample container temperature is out of limit as specified

Page 4 of 10

Hall Environmental Analysis Laboratory, Inc.

WO#:

1803601

27-Mar-18

Client:

Souder, Miller and Associates

Project:

Chaco

Sample ID RB	SampT	ype: ME	BLK	Tes	tCode: EF	A Method	8260B: VOL	ATILES		
Client ID: PBW	Batch	h ID: R4	9721	F	RunNo: 49	9721				
Prep Date:	Analysis D	Date: 3/	12/2018	\$	SeqNo: 16	508102	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-Chlorotoluene	ND	1.0								
s-1,2-DCE	ND	1.0								
s-1,3-Dichloropropene	ND	1.0								
2-Dibromo-3-chloropropane	ND	2.0								
bromochloromethane	ND	1.0								
bromomethane	ND	1.0								
2-Dichlorobenzene	ND	1.0								
3-Dichlorobenzene	ND	1.0								
4-Dichlorobenzene	ND	1.0								
chlorodifluoromethane	ND	1.0								
1-Dichloroethane	ND	1.0								
1-Dichloroethene	ND	1.0								
2-Dichloropropane	ND	1.0								
3-Dichloropropane	ND	1.0								
2-Dichloropropane	ND	2.0								
1-Dichloropropene	ND	1.0								
exachlorobutadiene	ND	1.0								
Hexanone	ND	10								
propylbenzene	ND	1.0								
sopropyltoluene	ND	1.0								
Methyl-2-pentanone	ND	10								
ethylene Chloride	ND	3.0								
Butylbenzene	ND	3.0								
Propylbenzene	ND	1.0								
c-Butylbenzene	ND	1.0								
yrene	ND	1.0								
t-Butylbenzene	ND	1.0								
,1,2-Tetrachloroethane	ND	1.0								
,2,2-Tetrachloroethane	ND	2.0								
trachloroethene (PCE)	ND	1.0								
ns-1,2-DCE	ND	1.0								
ns-1,3-Dichloropropene	ND	1.0								
,3-Trichlorobenzene	ND	1.0								
,4-Trichlorobenzene	ND	1.0								
,1-Trichloroethane	ND	1.0								
,2-Trichloroethane	ND	1.0								
chloroethene (TCE)	ND	1.0								
chlorofluoromethane	ND	1.0								
,3-Trichloropropane	ND	2.0								

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Page 5 of 10

- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1

1803601

27-Mar-18

Client:

Souder, Miller and Associates

Project:

Chaco

Sample ID RB	Samp	Type: MI	BLK	Tes	Code: El	PA Method	8260B: VOL	ATILES		
Client ID: PBW	Batc	Batch ID: R49721		RunNo: 49721						
Prep Date:	Analysis [Date: 3/	12/2018	S	SeqNo: 1	608102	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Vinyl chloride	ND	1.0		THE PARTY OF THE				4.811.0		
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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Page 6 of 10

Hall Environmental Analysis Laboratory, Inc.

WO#:

1803601

27-Mar-18

Client:

Souder, Miller and Associates

Project:

Chaco

Sample ID Ics-36978	Sampl	Type: LC	S	Tes	tCode: El	PA Method	8270C: PAHs			
Client ID: LCSW	Batc	h ID: 36	978	F	RunNo: 4	9880				
Prep Date: 3/13/2018	Analysis E	Date: 3/	15/2018	\$	SeqNo: 1	614453	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			
ndeno(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 Icsd-36978	Samp	Type: LC	SD	Tes	tCode: E	PA Method	8270C: PAHs				
Client ID: LCSS02	Batc	h ID: 36	978	F	RunNo: 4	9880					
Prep Date: 3/13/2018	Analysis [Date: 3/	15/2018	5	SeqNo: 1	614454	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		
					20.0				20.0		

Qualifiers:

Benzo(b)fluoranthene

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

0.50

20.00

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

47.8

115

41.5

E Value above quantitation range

68.4

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Detection Limit

Sample container temperature is out of limit as specified

Page 7 of 10

22.5

Hall Environmental Analysis Laboratory, Inc.

WO#: 180

1803601

27-Mar-18

Client:

Souder, Miller and Associates

Project:

Chaco

Sample ID lcsd-36978 Client ID: LCSS02 Prep Date: 3/13/2018	Batc	SampType: LCSD Batch ID: 36978 Analysis Date: 3/15/2018			tCode: El RunNo: 4 SeaNo: 1	9880	8270C: PAHs 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
ndeno(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: I						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				A REE					
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.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Page 8 of 10

Hall Environmental Analysis Laboratory, Inc.

WO#:

1803601 27-Mar-18

Client:

Souder, Miller and Associates

Project:

Prep Date:

Chaco

Sample ID MB-37099 Client ID: PBW

SampType: MBLK

TestCode: EPA Method 7470: Mercury

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

ND 0.00020 Mercury

Sample ID LCS-37099 Client ID:

LCSW

3/19/2018

SampType: LCS Batch ID: 37099 TestCode: EPA Method 7470: Mercury

RunNo: 49907

SeqNo: 1615579 Analysis Date: 3/19/2018 Units: mg/L

Analyte PQL SPK value SPK Ref Val %REC %RPD LowLimit **HighLimit RPDLimit** Qual Mercury 0.0046 0.00020 0.005000 91.3 80 120

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits

Page 9 of 10

- Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1803601

27-Mar-18

Client: Souder, Miller and Associates

Project: Chaco

Sample ID MB-37055 Client ID: PBW	SampType: MBLK Batch ID: 37055				tCode: E RunNo: 4		Total Recove	rable Met	als	
Prep Date: 3/15/2018	Analysis	Date: 3/	21/2018		SeqNo: 1	617934	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	ND	0.020			4 10				30 10 10 10 10 10	
Cadmium	ND	0.0020								
Chromium	ND	0.0060								
Lead	ND	0.0050								
Selenium	ND	0.050								
Silver	ND	0.0050								

Sample ID LCS-37055	Samp	Type: LC	S	Tes	als					
Client ID: LCSW	Batch ID: 37055			F	RunNo: 4	9969				
Prep Date: 3/15/2018	Analysis	Date: 3/	21/2018	\$	SeqNo: 1	617936	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	74.25		
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	Sampl	ype: MI	BLK	Tes	tCode: E	PA 6010B:	Total Recove	rable Meta	als	
Client ID: PBW	Batcl	h ID: 37	055	F	RunNo: 4	19969				
Prep Date: 3/15/2018	Analysis D	Date: 3/	/21/2018	5	SeqNo: 1	1617983	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.020					NEW TOTAL	No. 1/11		

Client ID: LCSW	Batcl	n ID: 37	055	F	RunNo: 4	9969				
Prep Date: 3/15/2018	Analysis Date: 3/21/2018			\$	SeqNo: 1	617985	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.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 10 of 10

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified



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	1	Work	Order Nur	nber: 1803	8601		RcptNo): 1
Received By:	Isaiah Ort	iz	3/10/20	018 8:00:00	AM		工业		
Completed By:	Anne Tho	rne	3/12/20	18 11:09:3	MA 0		I am I	,	
Reviewed By:	ZMO		3/12/1	8			Cine Ji		
Chain of Cust	tody								
, Is Chain of Cu	stody compl	ete?			Yes	V	No 🗌	Not Present	
How was the	sample deliv	ered?			Cour	<u>ier</u>			
Log In									
. Was an attem	pt made to c	ool the samp	oles?		Yes	V	No 🗆	NA 🗆	
. Were all samp	les received	at a tempera	ature of >0° C	to 6.0°C	Yes	V	No 🗆	NA 🗆	
. Sample(s) in p	roper contai	ner(s)?			Yes	~	No 🗆		
Sufficient samp	ole volume fo	or Indicated t	est(s)?		Yes	V	No 🗆		
. Are samples (e				ed?	Yes	~	No 🗆		
. Was preservati					Yes		No 🗸	NA 🗆	
. VOA vials have	zero heads	pace?			Yes	~	No 🗆	No VOA Vials	
). Were any sam	ple containe	rs received t	oroken?		Yes		No 🗹	# of preserved	, tu
. Does paperwor (Note discrepar)		Yes	~	No 🗆	bottles checked for pH:	Z r x12 dniess no
Are matrices co					Yes	~	No 🗆	Adjusted?	
ls it clear what			17		Yes	~	No 🗌		, ,
. Were all holding (If no, notify cus					Yes	V	No 🗆	Checked by:	A 03/12
ecial Handlii	ng (if app	licable)							
5. Was client not	ified of all dis	crepancies	with this order)	Yes		No 🗆	NA 🗸	
Person N	Notified:		Andreas on the second	Date		ALEXANDER MARKET	**************************************		
By Whon	1			Via:	eMa	il 🗍	Phone Fax	In Person	
Regardin	4								
	structions:								
3. Additional rem	narks:								
7. Cooler Inform	nation	*							
4 (2.1	Temp °C	Condition	Seal Intact	Seal No	Seal Da	te	Signed By		
Cooler No	0.4	Good	Yes	and the second second					

	HALL ENVIRONMENTAL ANALYSTS LABORATORY					7/3			(1	A 10	(Y)	Air Bubbles									st-Report. Letter Lemits C. Tomlang notated on the analytical report.
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		nent	andae	505-	Requ		8,80)d 7	2808	3/5	eppi	8081 Pestic				1					15× 81
		ron	ndne	Fax 505-345-4107	/sis	(70	DS'*	04	105	1,EC	N'I	O,7) snoinA									Season and all seasons are all
ı		www.hallenvironmental.com	Alb	п.	Analysis Request			d	70	-		RCRA 8 Me	1	1							Remarks: 82006 Full List-TCLP Compound at Involve Enterprise, Oppossibility. Any sub-contracted data will be clearly note
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			Haw	905-3							- 15-	TPH (Metho									12 8 20
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Time:	I 🗆 Rush	:e			wace no went	ager:	Anter Maxmen		RW	₹7es	Sample Temperature: 0,4	Preservative Type	Varians								M 3
Turn-Around Time:	▼ Standard	Project Nam	Charco	Project #:	Char	Project Manager:	Rhi) -	Sampler:	On Ice:	Sample Tem	Container Type and #	Various								Received by: Received by:
Chain-of-Custody Record			Mailing Address: 401 NJ Branchwo-1	NM BTUCI J	Phone #: 505-205 - 7535	email or Fax#: (15)pleu MXWeU		☐ Level 4 (Full Validation)				Sample Request ID	Charo Chinizenot Varians								Time: Relinquished by: Nato Received by: State Time Remarks: 82 Loc Full Lust-Roport: Time: Relinquished by: Received by: State Time Remarks: 82 Loc Full Lust-Roport: Nato Full Lust-Roport Received by: State Time Remarks: 82 Loc Full Lust-Roport Lum Received by: State Time State Time Total Compound at Total Lum Total
-of-Cu			HOLY.	ho !	5-22	Ashle	,			□ Other		Matrix	Ague								Relinquished by Rainquished by samples submitted
Shain	Clientsmy) Address	Farmingho	# 56	r Fax#:	QA/QC Package:	dard	litation	AP	□ EDD (Type)	Time	10:32								Time: IMD Time: IRDV
0	Client		Mailing	西	Phone	email c	QA/QC	□ Standard	Accreditation	□ NELAP		Date	38-18	and the same of th		Chandry Control Commence (1981)	-	The state of the s			3/4/16 Darie:

Received by OCD: 11/8/2023 4:35:49 PM
District 1
1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

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

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 ½ 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 , 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 <u>Agua Moss, LLC</u> to complete <u>Generator Signature</u> the required testing/sign the Generator Waste Testing Certification.
I,, representative for
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 Waste Acceptance Status: APPROVED Landfarm Landfill Other DENIED (Must Be Maintained As Permanent Record)
PRINT NAME: Travis Gibson TITLE: Forence DATE: 12-19-18 SIGNATURE: Electronic Telephone No.: Surface Waste Management Facility Authorized Agent (505) 307-6974



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 Hinden

Date:

4/24/18

Walter Hinchman, Laboratory Director

Tim Cain, Project Manager

Date:

4/24/18



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.

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Page 1 of 23



614 Reilly Ave Project Number: 97057-0904
Farmington NM, 87401 Project Manager: Felipe Aragon

Reported: 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

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Page 2 of 23



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)

		P8040	28-01 (Wa	iter)					
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TCLP Volatile Organic Compounds b	ov 8260								
Vinyl chloride	ND	0.0100	mg/L	10	1816018	04/19/18	04/19/18	FPA 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	1-1	pH Units	1.	1816009	04/17/18 09:05	04/17/18 11:38	90450/9040	

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Page 3 of 23



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)

		Reporting	28-01 (W					-	
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Waste Characteristic	The second								
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				50.			0 11		
Mercury	ND	0.00020	mg/L	1	1816013	04/18/18	04/19/18	EPA 7470A	

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Page 4 of 23



Enterprise Products Water Sampling @ Dolores Plant Project Name:

614 Reilly Ave Project Number: 97057-0904 Reported: Farmington NM, 87401 24-Apr-18 10:00 Project Manager: Felipe Aragon

TCLP Volatile Organic Compounds by 8260 - Quality Control

Envirotech Analytical Laboratory

Analyte Result Limit Units Level Result %REC Limits RPD Limit Notes			Reporting		Spike	Source		%REC		RPD	
	Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 1816018 - Purge and Trap EP	A 5030A							
Blank (1816018-BLK1)				Prepared &	Analyzed	19-Apr-18		
Vinyl chloride	ND	0.0010	mg/L					
I,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	19					
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		1,00	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	11	0.0500		99.4	70-130	
Benzene	0.0519	0.0010	.10	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: Bromofluorohenzene	0.0106		44.77	0.0100		106	70-130	
Matrix Spike (1816018-MS1)	Sour	ce: 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	

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Page 5 of 23

5796 US Highway 64, Farmington, NM 87401

Analyte



Enterprise Products Project Name: Water Sampling @ Dolores Plant

Result

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

Spike

Level

Source

Result

%REC

%REC

Limits

RPD

RPD

Limit

Notes

Reporting

Limit

Matrix Spike (1816018-MS1)	Sour	ce: 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)	Sour	rce: P804028-	01	Prepared &	Analyzed:	19-Apr-18				
Vinvl chloride	0.464	0.0100	mail	0.500	ND	02.0	44-143	2.57	30	

Tiny i emoriae	0.101	0.0100	mg L	0.000	2455	24.2	44-1-60	and t	20	
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	H	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	18	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		-44	0.100		103	70-130			
Surrogate: Bromofluorobenzene	0.109		**	0.100		109	70-130			

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9.60

9.73

0.97

0.10

0.50

0.10

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	Units	Spike Level	Source	%REC	%REC Limits	RPD	RPD Limit	Notes
mayic	Result	Linne	Cins	Level	Result	- MALLA	Limits	IG D	Limit	110000
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			
Arsenie	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)	Sot	rce: 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	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)	Sou	rce: 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	

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Lead

Silver

Selenium

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10.0

10.0

1.00

ND

ND

ND

20

20

20

75-125

75-125

75-125

96.0

97.3

97.2

2.44

3.23

2.29

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Page 7 of 23



 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

Reporting Spike Source %REC RPD

Analyte Result Limit Units Level Result %REC Limits 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
 38.75-101.25

 Duplicate (1816009-DUP1)
 Source: P804023-01
 Prepared & Analyzed: 17-Apr-18

 pH
 7.70
 pH Units
 7.66
 0.521
 20

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Page 8 of 23



Enterprise Products

Project Name:

Water Sampling @ Dolores Plant

614 Reilly Ave Farmington NM, 87401

Project Number: Project Manager:

97057-0904

Felipe Aragon

Reported: 24-Apr-18 10:00

Waste Characteristic - Quality Control

Envirotech Analytical Laboratory

Spike %REC RPD Reporting Source RPD Limit Analyte Result Limit Units Level Result %REC Limits 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
 50

 Flash Point
 0
 °C
 >95
 20

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Page 9 of 23



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	n	Reporting	***	Spike	Source	A/PIPE	%REC	DDD	RPD	N1
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1816013 - Mercury Water Digesti	ion 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)	Sou	ree: 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)	Sou	rce: 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	

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Page 10 of 23



 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.

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Released to Imaging: 11/8/2023 4:41:28 PM

City, State, Zip

Address:

8 10 to

250

Sampled

Sampled

Date

Email: Blall

Phone:

Project Information

Project Manager:



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:

Dapline R Richards

Daphne Richards

Technical Service Representative

Results relate only to the Bems tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in luboratory standard operating procedures: 06/30/2, 06/30/3, and 06/30/4.

Page 13 of 23

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

10

Sc: Sample Chain of Custody

Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	4
Sr: Sample Results	5
DELORES STATION L985875-01	5
Qc: Quality Control Summary	6
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	6
GI: Glossary of Terms	8
Al: Accreditations & Locations	9



GI

SAMPLE SUMMARY

Collected by



Collected date/time Received date/time

DELORES STATION L985875-01 Waste			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



















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

apline R Richards

Top.

Tc

















Received by OCD: 11/8/2023 4:35:49 PM Collected date/time: 04/12/18 14:26

SAMPLE RESULTS - 01

ONE LAB, NATIONWILL 9

Preparation by Method 1311

	Result	Qualifier	Prep	Batch	
Analyte			date / time		
TCLP Extraction	- 21		4/16/2018 12:05:20 PM	WG1098807	
Fluid	1		4/16/2018 12:05:20 PM	WG1098807	
nitial 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

	Result	Qualifier	RDL	Limit	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l		date / time	
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) Phenoi-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-Terphenyi-d14	86.7		29.0-141	141		04/19/2018 21:38	WG1099359



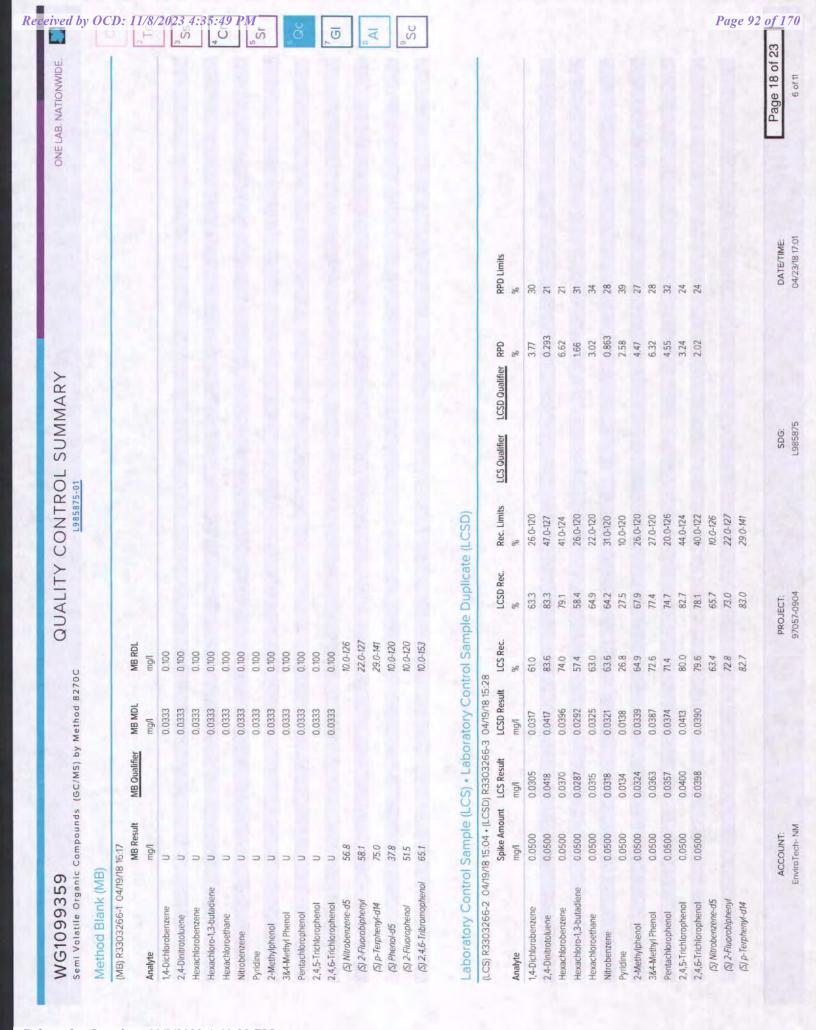












Hexachloro-1,3-butadien

Hexachloroethane

Nitrobenzene

Hexachlorobenzene

2,4-Dinitrotoluene

1.4-Dichlorobenzene

(S) Nitrobenzene-d5 (S) 2-Fluorobiphenyl

(S) p-Terphenyl-d14

(S) Phenol-d5

(S) 2-Fluorophenol

2,4,5-Trichlorophenol 2,4,6-Trichlorophenol

Pentachlorophenol

3&4-Methyl Phenol

2-Methylphenol

Pyridine

Analyte

(S) 2-Fluorophenol

(S) Phenol-d5

Qc

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.
J	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.
imits	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.

Qualifier Description

Sample Results (Sr)

Sample Summary (Ss)

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

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.

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.

ACCOUNT: EnviroTech- NM PROJECT: 97057-0904

SDG: L985875 DATE/TIME: 04/23/18 17:01

Page 20 of 23

8 of 11

ONE LAB. NATIONWIDE.

Ss

Cn

Sr

Qc

GI

Sc

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-sround 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
Alaska	17-026
Arizona	AZ0612
Arkansas	88-0469
California	2932
Colorado	TN00003
Connecticut	PH-0197
Florida	E87487
Georgia	NELAP
Georgia ^t	923
Idaho	TN00003
Illinois	200008
Indiana	C-TN-01
lowa	364
Kansas	E-10277
Kentucky 1 6	90010
Kentucky 2	16
Louisiana	Al30792
Louisiana 1	LA180010
Maine	TN0002
Maryland	324
Massachusetts	M-TN003
Michigan	9958
Minnesota	047-999-395
Mississippi	TN00003
Missouri	340
Montana	CERTO086

NE-OS-15-05
TN-03-2002-34
2975
TN002
n/a
11742
Env375
DW21704
41
R-140
CL0069
9915
TN200002
68-02979
LA000356
84004
n/a
2006
T 104704245-17-14
LAB0152
TN00003
VT2006
460132
C847
233
9980939910
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Third Party Federal Accreditations

1461.01	
1461,02	
1461.01	
TN00003	
	1461.02 1461.01

AIHA-LAP, LLC EMLAP	100789
DOD	1461.01
USDA	P330-15-00234

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.



ACCOUNT EnviroTech-NM

PROJECT: 97057-0904

SDG: L985875

DATE/TIME 04/23/18 17:01 Page 21 of 23

9 of 11

EnviroTech- NM		0 0	Doris Moore	re Bohway 64			Any-				300	F	by OC
5796 US. Highway 64 Farmington, NM 87401		n u.	armingto	Farmington, NM 87401	11		71/2				L.A.B.	8.C.1.F	
Report to:		i ii	Email To:	I & M	rene		Q+				Mount lu Mount lu Phone: 6 Phone: 8	Mount Julier, TN 37222 Phone 615-786-8854 Phone 600-767-8859	2023 4
3	Somplinge Delores Plant	3 Plant		City/State Collected;		DED SE	2.9	U SSI		57000	5#1	1000	ŽĮ.
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TOTAL STATE OF THE								1					
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Matrix; SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other	WW - WasteWa	ter DW - Drin	iking Water		agueous	4		На	Temp				
Remarks:				746	0/0 /410		1847	Flow	Other		Hold #		
Relinquished by : (Signature)		Date:	7	-	teceived by	(Signature)	1	Samples retu	irned via:	O UPS	Condition:	(labuse only)	(Ap
Relinquished by : (Signature)	18.5%	Date:	-	Time:	Received by: (Signature)	ature)		Temp:	°C Bottle	Bottles Received:	COC Seal Intact:	Z >	Page 5
Refinquished by : (Signature)		Date:	E.	Time:	Received for lab by, (Mgnature)	ve Linguatu	re) And	Date:	Ile Time:	00	pH Checked:	Page 22 of 23	

Page 23 of 23

ESC LAB SCIENCES		
Cooler Receipt Form		
Client: GNVFR0FNM SDG#	SDG# 985878	52
Cooler Received/Opened On: 4/ 1/4 /18 Temperature:		
Received By: Kelsey Rish		
Signature:		
Receipt Check List NP	Yes	No
COC Seal Present / Intact?		1
COC Signed / Accurate?	1	N. P. Barr
Bottles arrive intact?	1	
Correct bottles used?	1	The second
Sufficient volume sent?	1	
If Applicable		
VOA Zero headspace?		
Preservation Correct / Checked?		

Received by OCD: 11/8/2023 4:35:49 PM
District 1
1625 N. French Dr., Hobbs, NM 88240 District II
1301 W. Grand Avenue, Artesia, NM 88210
District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

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

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, LEC, 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 Generator Signature certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 198 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 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. (Che 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 <u>Agua Moss, LLC</u> to complete Generator Signature the required testing/sign the Generator Waste Testing Certification.
I,
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 Recor
PRINT NAME: TITLE: DATE: SIGNATURE: TELEPHONE NO.:
Surface Waste Management Facility Authorized Agent



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 Howherman

Date: 4/24/18

Walter Hinchman, Laboratory Director

Tim Cain, Project Manager

Date:

4/24/18



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.

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Envirotech, Inc, currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.

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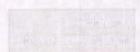


614 Reilly Ave Project Number: 97057-0904 Reported:
Farmington NM, 87401 Project Manager: Felipe Aragon 24-Apr-18 10:00

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

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Page 2 of 23



 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)

		Reporting	28-01 (Wa	iter)	_				-
Analyte	Result	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	F

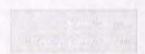
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Page 3 of 23



Enterprise Products

Project Name:

Water Sampling @ Dolores Plant

614 Reilly Ave Farmington NM, 87401 Project Number: Project Manager: 97057-0904 Felipe Aragon Reported: 24-Apr-18 10:00

Dolores Station P804028-01 (Water)

	111111111	Reporting	20 01 (11						
Analyte	Result	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		100					4.4		
Mercury	ND	0.00020	mg/L	1	1816013	04/18/18	04/19/18	EPA 7470A	

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Page 4 of 23



 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

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	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		N	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)	Sour	ce: 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	40	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	

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Page 5 of 23



Enterprise Products

Project Name:

Water Sampling @ Dolores Plant

614 Reilly Ave Farmington NM, 87401 Project Number: Project Manager: 97057-0904 Felipe Aragon

Reported: 24-Apr-18 10:00

TCLP Volatile Organic Compounds by 8260 - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 1816018 - Purge and Trap EPA 5030A

Matrix Spike (1816018-MS1)	Sour	ce: 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)	Sour	ce: 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	н:	0.500	ND	103	59-133	2.58	20
1,2-Dichloroethane	0.478	0.0100	w	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: Bromofluorohenzene	0.109		**	0.100		109	70-130		

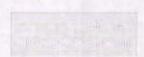
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Page 6 of 23

Barium Cadmium

Chromium

Reported:



Enterprise Products Project Name: Water Sampling @ Dolores Plant 614 Reilly Ave Project Number: 97057-0904

Farmington NM, 87401 Project Manager: Felipe Aragon 24-Apr-18 10:00

TCLP Metals - Quality Control

Envirotech Analytical Laboratory

Analyte		Reporting	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
	Result	Limit								
Batch 1816001 - Metals Water H	otblock Digestion EPA 3	010A/200.2								
Batch 1816001 - Metals Water H	otblock Digestion EPA 3	010A/200.2		_				-		
Batch 1816001 - Metals Water H Blank (1816001-BLK1)	otblock Digestion EPA 3	010A/200.2		Prepared: 1	6-Apr-18	Analyzed: 1	7-Apr-18			

0.01

0.02

Lead	ND	0.01				
Selenium	ND	0.05				
Silver	ND	0.01				
LCS (1816001-BS1)				Prepared: 16-Ap	or-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

ND

ND

Matrix Snike (1816001-MS1)	Source	e- P804025-0		Prepared: 16-Apr	-18 Analyzed	7-Apr-18
Silver	0.09	0.01	*	0.100	91.3	80-120
Selenium	0.89	0.05	*	1.00	89.1	80-120
Lead	0.91	0.01	*	1.00	90.8	80-120
Chromium	0.96	0.02	*	1.00	96.3	80-120
Cadmium	0.91	0.01		1,00	91.3	80-120
Barium	20.5	0.25		25.0	82.0	80-120

Matrix Spike (1816001-MS1)	Source	e: P804025-	01	Prepared: 1	6-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	
Cilving	0.05	0.10		1.00	ATTA	ne n	75 175	

Matrix Spike Dup (1816001-MSD1)	Source	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		

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Page 7 of 23



Enterprise Products 614 Reilly Ave Farmington NM, 87401 Project Name:

Water Sampling @ Dolores Plant

Project Number: Project Manager: 97057-0904 Felipe Aragon Reported: 24-Apr-18 10:00

Corrosivity - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 1816009 - Wet Chemistry Preparation

LCS (1816009-BS1)			Prepared & Analy	yzed: 17-Apr-1	8	*		
pH	7,99	pH Units	8.00	99.9	98.75-101.25			
Duplicate (1816009-DUP1)	Source: P804023-01 Prep		Prepared & Analy	yzed: 17-Apr-1	8			
pH	7.70	pH Units	7.6	56		0.521	20	

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Page 8 of 23



614 Reilly Ave Project Number: 97057-0904
Farmington NM, 87401 Project Manager: Felipe Aragon

Reported: 24-Apr-18 10:00

Waste Characteristic - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	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-DUPI)	Source: P8	04028-01	Prepared & Anal	yzed: 19-Apr-18					
Flash Point	0	°C	>	95		20			

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Page 9 of 23



 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

		Reporting		Spike	Source		%REC	44.4	RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1816013 - Mercury Water Digest	ion 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)	Sou	rce: 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)	Sou	rce: 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	

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Page 10 of 23



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

HI	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.

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Page 11 of 23

Analytical Laboratory envirotech

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

Time

Time

Date

Relinquished by: (Signature)

Relinquished by: (Signature)

7 0 Date

time of collection is considered fraud and may be grounds for legal action. Sampled by:

Additional Instructions:

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Ph (5d5) 672-0615 Fr (505) 632-1865 Ph (970) 259-6615 Fr (800) 362 1879

The study Cardinana constituti COMMENDATE OF

City, State, Zip

Address:

Project Information

Project Manager:

Project: Justic

Client: クルナ

Email:

Sample ID

Containers No

Matrix

Sampled

Sampled Time

Date

Email: Mart

Phone:

5

4



ANALYTICAL REPORT



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

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

Page 13 of 23

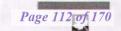
www.esclabsciences.co

65 Lebanon Rd

37120 615-758-5858 800

Sc: Sample Chain of Custody

TABLE OF CONTENTS



Ss: Sample Summary
Cn: Case Narrative

3

4

GI: Glossary of Terms 8

10

⁹Sc

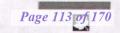
ACCOUNT: EnviroTech- NM PROJECT: 97057-0904

SDG: L985875 DATE/TIME: 04/23/18 17:01

Page 14 of 23

2 of 11

SAMPLE SUMMARY



DELORES STATION L985875-01 Waste			B. Hall	04/12/18 14:26	04/14/18 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
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

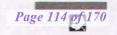








CASE NARRATIVE



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



ACCOUNT: EnviroTech- NM PROJECT: 97057-0904

SDG: L985875 DATE/TIME: 04/23/18 17:01

Page 16 of 23

4 of 11

Received by OCD: 11/8/2023 4:35:49 PM

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

SAMPLE RESULTS - 01



	Result	Qualifier	Prep	Batch
Analyte			date / time	
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



	Result	Qualifier	RDL	Limit	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l		date / time	



	Result	Qualifier	RDL	Limit	Dilution	Analysis	
Analyte	mg/l		mg/l	mg/l		date / time	
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-Trichlorophenal	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	



Page 18 of 23

DATE/TIME: 04/23/18 17:01

SDG: L985875

PROJECT: 97057-0904

ACCOUNT: EnviroTech- NM

QUALITY CONTROL SUMMARY

WG1099359 Semi Volatile Organic Compounds (GC/MS) by Method 8270C

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	Mg/I		l/gm	l/bm
1,4-Dichlorobenzene	0		0.0333	0.100
2,4-Dinitrotoluene	ם		0.0333	0.100
Hexachlorobenzene	ח		0.0333	0.100
Hexachloro-1,3-butadiene	2		0.0333	0.100
Hexachloroethane	n		0.0333	0.100
Nitrobenzene	n		0.0333	0.100
Pyridine	n		0.0333	0.100
2-Methylphenol	n		0.0333	0.100
3&4-Methyl Phenol	ס		0.0333	0.100
Pentachlorophenol	ח		0.0333	0.100
2,4,5-Trichlorophenol	ם		0.0333	0.100
2,4,6-Trichlorophenol	ם		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
VSI 2 4 6- Tribromonhenol	65.1			10.0.152

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifler	RPD	RPD Limits
Analyte	mg/l	mg/l	Mg/I	96	*	%			98	3R
4-Dichlorobenzene	0.0500	0.0305	0.0317	61.0	63.3	26,0-120			3.77	30
,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 Phenal	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				
KIn-Ternhonul-d'Id				827	050	200.141				

DATE/TIME: 04/23/18 17:01

SDG: L985875

PROJECT: 97057-0904

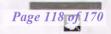
ACCOUNT: EnviroTech- NM

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QUALITY CONTROL SUMMARY	
WG1099359	Semi Volatile Organic Compounds (GC/MS) by Method 8270C

LCSD Qualifier RPD RPD Limits % %			
96	10.0-120	10.0-120	10.0-153
9	42.9	58.7	84.1
96	41.8	58.6	77.5
mg/l			
₩ Mg/I			
mg/l mg/l			
		(S) 2-Fluorophenal	(S) 2,4,6-Tribromophenol

GLOSSARY OF TERMS



Ss

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

Not detected at the Reporting Limit (or MDL where applicable). Reported Detection Limit. Recovery. Relative Percent Difference. Sample Delivery Group. Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spiker/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media. Not detected at the Reporting Limit (or MDL where applicable). The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. 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 or an ecurately report, the sample may be diffused an analysis. If a value different than it is used in this field, the result reported has already been corrected for this factor. 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 GC Sample analysis will target all analytes recovered or duplicated within these ranges. 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. 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. The actual analytical final result (corrected for any sample specific caharacteristics) reported for your sample. If there was no measurable results returned for a specific analyte, the result in this column may star? Not to Detected or "BDL" (Below Detectable Levels). The		
DL Reported Detection Limit. ec. Recovery. PD Relative Percent Difference. Sample Delivery Group. 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. Not detected at the Reporting Limit (or MDL where applicable). The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. 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. 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 GC Sample analysis will target all analytes recovered or duplicated within these ranges. 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. 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 Glossay and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. 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 Defected) or "BDL" (Reporting Defected). The intermediant in the results column-should always be accumbant	MDL	Method Detection Limit.
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The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. 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 aliceady been corrected for this factor. 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. 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. 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. 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 the 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. 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. This section of the repo	(S)	Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be
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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. 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. 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. 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 is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the 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. 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 Defected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) for RDL (Reporting Detection Limit) and the results of any non-conformances to protocol observed either at sample re	Analyte	
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sample. The Original Sample may not be included within the reported SDG. 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. 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. 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. 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. 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 or analysis. This section	Limits	for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or
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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. 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. 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. 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. 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. 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	reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and
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. 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. 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. 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. 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.	Result	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
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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. 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. 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.	Quality Control Summary (Qc)	analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not
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. 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.	Sample Chain of Custody (Sc)	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
times of preparation and/or analysis.	Sample Results (Sr)	by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section fo
North Control of the	Sample Summary (Ss)	
	Ouslifice	December

Qualifier Description

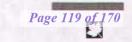
The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCOUNT: EnviroTech- NM PROJECT: 97057-0904

SDG: L985875 DATE/TIME: 04/23/18 17:01 Page 20 of 23

8 of 11

Received by OCD: 11/8/2023 4:35:49 PM 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 JerseyNELAP	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
lowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky 1 6	90010	South Carolina	84004
Kentucky 2	16	South Dakota	n/a
Louisiana	Al30792	Tennessee 14	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	AZLA
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.

ACCOUNT: EnviroTech- NM

PROJECT: 97057-0904

SDG: L985875

DATE/TIME: 04/23/18 17:01 Page 21 of 23

9 of 11

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EnviroTech- NM 5796 US. Highway 64 Farmington, NM 87401		Doris Moore 5796 US, Highway 64 Farmington, NM 8740	Doris Moore 5796 US, Highway 64 Farmington, NM 87401				The same of the sa	y OCD: 11/8/
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ESC LAB SCIENCES Cooler Receipt Form		
Chear Entra 16 FAST	82	52
Gade Accred Opined On 10 14 18		
Mercared Mr. Kersay Rich		
September 1		
Receipt Check List	Yes	No
COC Seal Present / Intact?		
COC Signed / Accurate?		
Battles arrive infact?		
Correct bottles used?	1	
Sufficient volume sent?		
If Applicable		
VOA Zero headspace ?		
Preservation Correct / Checked?		

Received by OCD: 11/8/2023 4:35:49 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

5 SEPT 2 Page 122 of 170

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	
Originating Site: Kutz Compressor Station 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 Source and Description of Waste: Ource: Water/Oil from the Non Exempt WasteWater Tanks and from the compressor skid drains. Pescription: Non Exempt/Non Leagradous Water from the compressor skids. Sistinated Volume 100 yd³ / bbls Known Volume (to be entered by the operator at the end of the haul) yd³ / bbls CENERATOR CERTIFICATION STATEMENT OF WASTE STATUS Thomas Long Terpresentative or authorized agent for Enterprise Products Operating do hereby Generator Signature retriff that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 egulatory 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 Lond 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 mended. 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 Thomas Long RCRA Hazardous Waste Testing Certification. Control of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples we 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	
4. Source and Description of Waste: Source: Water/Oil from the Non Exempt WasteWater Tanks and from the compressor skid drains. Description: Non Exempt/Non Hazardous Water from the compressor skids. Estimated Volume 100 yd3 bbls Known Volume (to be entered by the operator at the end of the haul)	yd³/bbls
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS	
	ction Agency's July 1988
characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined subpart D, as amended. The following documentation is attached to demonstrate the above-described waste	d in 40 CFR, part 261,
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide de	escription in Box 4)
GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LAND	FARMS
I, Thomas Long, representative for Enterprise Products Operating authorize to complete Generator Signature the required testing/sign the Generator Waste Testing Certification.	
representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride con have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.	atent and that the samples .36 NMAC. The results
5. Transporter: Triple S Trucking	1-1-1-1
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 Oth Waste Acceptance Status:	
☐ APPROVED ☐ DENIED (Must Be Maintai	neu As Permanent Record)
PRINT NAME: TITLE: TELEPHONE NO.:	DATE:
SIGNATURE: TELEPHONE NO.: Surface Waste Management Facility Authorized Agent	



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

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

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

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1808836

Date Reported: 9/5/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates Client Sample ID: Non Exempt

 Project:
 Kutz CS
 Collection Date: 8/13/2018 8:48:00 AM

 Lab ID:
 1808836-001
 Matrix: AQUEOUS
 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	
Cadmium	ND	1.0		mg/L	1	8/20/2018 11:58:35 AM	
Chromium	ND	5.0		mg/L	1	8/20/2018 11:58:35 AM	
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	
EPA METHOD 8270C: PAHS						Analyst:	
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	R5354
Toluene	0.47	0.20		mg/L	200	8/17/2018 9:09:00 PM	R5354
Ethylbenzene	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R5354
Methyl tert-butyl ether (MTBE)	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R5354
1,2,4-Trimethylbenzene	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R5354
1,3,5-Trimethylbenzene	ND	0.20		mg/L	200	8/17/2018 9:09:00 PM	R5354
1,2-Dichloroethane (EDC)	ND	0.20		mg/L		8/17/2018 9:09:00 PM	R5354

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

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 11
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1808836

Date Reported: 9/5/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates Client Sample ID: Non Exempt

 Project:
 Kutz CS
 Collection Date: 8/13/2018 8:48:00 AM

 Lab ID:
 1808836-001
 Matrix: AQUEOUS
 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	R5354
Acetone	ND	2.0	mg/L	200 8/17/2018 9:09:00 PM	R5354
Bromobenzene	ND	0.20	mg/L	200 8/17/2018 9:09:00 PM	R5354
Bromodichloromethane	ND	0.20	mg/L	200 8/17/2018 9:09:00 PM	R5354
Bromoform	ND	0.20	mg/L	200 8/17/2018 9:09:00 PM	R5354
Bromomethane	ND	0.60	mg/L	200 8/17/2018 9:09:00 PM	R5354
2-Butanone	ND	2.0	mg/L	200 8/17/2018 9:09:00 PM	R5354
Carbon disulfide	ND	2.0	mg/L	200 8/17/2018 9:09:00 PM	R5354
Carbon Tetrachloride	ND	0.20	mg/L	200 8/17/2018 9:09:00 PM	R5354
Chlorobenzene	ND	0.20	mg/L	200 8/17/2018 9:09:00 PM	R5354
Chloroethane	ND	0.40	mg/L	200 8/17/2018 9:09:00 PM	R5354
Chloroform	ND	0.20	mg/L	200 8/17/2018 9:09:00 PM	R5354
Chloromethane	ND	0.60	mg/L	200 8/17/2018 9:09:00 PM	R5354
2-Chlorotoluene	ND	0.20	mg/L	200 8/17/2018 9:09:00 PM	R5354
4-Chlorotoluene	ND	0.20	mg/L	200 8/17/2018 9:09:00 PM	R5354
cis-1,2-DCE	ND	0.20	mg/L	200 8/17/2018 9:09:00 PM	R5354
cis-1,3-Dichloropropene	ND	0.20	mg/L	200 8/17/2018 9:09:00 PM	R5354
1,2-Dibromo-3-chloropropane	ND	0.40	mg/L	200 8/17/2018 9:09:00 PM	R5354
Dibromochloromethane	ND	0.20	mg/L	200 8/17/2018 9:09:00 PM	R5354
Dibromomethane	ND	0.20	mg/L	200 8/17/2018 9:09:00 PM	R5354
1,2-Dichlorobenzene	ND	0.20	mg/L	200 8/17/2018 9:09:00 PM	R5354
1,3-Dichlorobenzene	ND	0.20	mg/L	200 8/17/2018 9:09:00 PM	R5354
1,4-Dichlorobenzene	ND	0.20	mg/L	200 8/17/2018 9:09:00 PM	R5354
Dichlorodifluoromethane	ND	0.20	mg/L	200 8/17/2018 9:09:00 PM	R5354
1,1-Dichloroethane	ND	0.20	mg/L	200 8/17/2018 9:09:00 PM	R5354
1,1-Dichloroethene	ND	0.20	mg/L	200 8/17/2018 9:09:00 PM	R5354
1,2-Dichloropropane	ND	0.20	mg/L	200 8/17/2018 9:09:00 PM	R5354
1,3-Dichloropropane	ND	0.20	mg/L	200 8/17/2018 9:09:00 PM	R5354
2,2-Dichloropropane	ND	0.40	mg/L	200 8/17/2018 9:09:00 PM	R5354
1,1-Dichloropropene	ND	0.20	mg/L	200 8/17/2018 9:09:00 PM	R5354
Hexachlorobutadiene	ND	0.20	mg/L	200 8/17/2018 9:09:00 PM	R5354
2-Hexanone	ND	2.0	mg/L	200 8/17/2018 9:09:00 PM	R5354
Isopropylbenzene	ND	0.20	mg/L	200 8/17/2018 9:09:00 PM	R5354
4-Isopropyltoluene	ND	0.20	mg/L	200 8/17/2018 9:09:00 PM	R5354
4-Methyl-2-pentanone	ND	2.0	mg/L	200 8/17/2018 9:09:00 PM	R5354
Methylene Chloride	ND	0.60	mg/L	200 8/17/2018 9:09:00 PM	R5354

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- J Analyte detected below quantitation limits Page 2 of 11
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- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1808836

Date Reported: 9/5/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

EPA METHOD 8260B: VOLATILES

Client Sample ID: Non Exempt

Project: Kutz CS

n-Butylbenzene

n-Propylbenzene

sec-Butylbenzene

tert-Butylbenzene

trans-1,2-DCE

1,1,1,2-Tetrachloroethane

1,1,2,2-Tetrachloroethane

Tetrachloroethene (PCE)

trans-1,3-Dichloropropene

1,2,3-Trichlorobenzene

1,2,4-Trichlorobenzene

1,1,1-Trichloroethane

1.1.2-Trichloroethane

Trichloroethene (TCE)

Trichlorofluoromethane

1,2,3-Trichloropropane

Surr: Toluene-d8

Surr: 1,2-Dichloroethane-d4

Surr: 4-Bromofluorobenzene

Surr: Dibromofluoromethane

Vinyl chloride

Xylenes, Total

Analyses

Styrene

Collection Date: 8/13/2018 8:48:00 AM Received Date: 8/14/2018 7:00:00 AM

Lab ID: 1808836-001

Matrix: AQUEOUS

Result

ND

96.2

104

101

90.1

0.20

0.20

0.20

0.20

0.40

0.20

0.30

70-130

70-130

70-130

70-130

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

%Rec

%Rec

%Rec

%Rec

PQL Qual Units **DF** Date Analyzed Batch Analyst: RAA 0.60 200 8/17/2018 9:09:00 PM R53547 mg/L 0.20 mg/L 200 8/17/2018 9:09:00 PM R53547 0.20 mg/L 200 8/17/2018 9:09:00 PM R53547 0.20 200 8/17/2018 9:09:00 PM R53547 mg/L 0.20 mg/L 200 8/17/2018 9:09:00 PM R53547 0.20 200 8/17/2018 9:09:00 PM mg/L R53547 0.40 200 8/17/2018 9:09:00 PM R53547 mg/L 0.20 200 8/17/2018 9:09:00 PM R53547 mg/L 0.20 200 8/17/2018 9:09:00 PM R53547 mg/L 0.20 200 8/17/2018 9:09:00 PM R53547 mg/L R53547 0.20 mg/L 200 8/17/2018 9:09:00 PM 0.20 mg/L 200 8/17/2018 9:09:00 PM R53547

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.

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- E Value above quantitation range
 - J Analyte detected below quantitation limits Page 3 of 11
- P Sample pH Not In Range
- RL Reporting Detection Limit
- 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

oling Time 8:48 AM

Date/Time Received 6/21/2016 11.10 AN

Matrix

Water

VV

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

This report shall not be reproduced except in full, without the written approval of the laboratory. 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

Batch #:

180822040

Address:

4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109 **Project Name:**

1808836

Attn:

ANDY FREEMAN

Analytical Results Report

Quality Control Data

Lab Control Sa	mple										
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	Unit		MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
180821051-004A	Reactive sulfide		ND	0.356	mg/	-	0.395	90.1	70-130	8/27/2018	
180822040-001	Cyanide (reactive)		ND	5.15	mg/		5	103.0	80-120		
Matrix Spike Du	uplicate										
Parameter		MSD Result	Units	MSD Spike	%F	Rec	%RPD	AR %RPI) Pre	p Date	Analysis Date
Cyanide (reactive)		5.19	mg/L	5		3.8	0.8	0-25		8/2018	8/28/2018
Method Blank											
Parameter			Re	sult	U	nits		PQL	Pr	ep Date	Analysis Date
Cyanide (reactive)			NE)	m	ıg/L		1	8/2	28/2018	8/28/2018

ND

mg/L

AR Acceptable Range
ND Not Detected
PQL Practical Quantitation Limit

Reactive sulfide

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

8/27/2018

8/27/2018

Hall Environmental Analysis Laboratory, Inc.

WO#:

1808836

05-Sep-18

Client:

Souder, Miller and Associates

Project:

Kutz CS

Sample ID 100ng Ics	SampT	ype: LC	s	Tes	tCode: El	PA Method	8260B: VOL	ATILES		
Client ID: LCSW	Batcl	ID: R5	3547	F	RunNo: 5	3547				
Prep Date:	Analysis E)ate: 8/	17/2018	S	SeqNo: 1	764896	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-Dichlaroethene	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	Sampl	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8260B: VOL	ATILES		
Client ID: PBW	Batcl	h ID: R5	3547	F	RunNo: 5	3547				
Prep Date:	Analysis [Date: 8/	17/2018	\$	SeqNo: 1	764901	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0	THE SE	and the same						
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.

D Sample Diluted Due to Matrix

PQL Practical Quanitative Limit

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 4 of 11

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1808836

05-Sep-18

Client:

Souder, Miller and Associates

Project:

Kutz CS

Sample ID rb	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8260B: VOL	ATILES		
Client ID: PBW	Batch	h ID: R5	3547	ı	RunNo: 5	3547				
Prep Date:	Analysis E	Date: 8/	17/2018		SeqNo: 1	764901	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-Chlorotoluene	ND	1.0								
is-1,2-DCE	ND	1.0								
is-1,3-Dichloropropene	ND	1.0								
,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
bibromomethane	ND	1.0								
,2-Dichlorobenzene	ND	1.0								
,3-Dichlorobenzene	ND	1.0								
,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
,1-Dichloroethane	ND	1.0								
,1-Dichloroethene	ND	1.0								
,2-Dichloropropane	ND	1.0								
,3-Dichloropropane	ND	1.0								
,2-Dichloropropane	ND	2.0								
,1-Dichloropropene	ND	1.0								
lexachlorobutadiene	ND	1.0								
-Hexanone	ND	10								
sopropylbenzene	ND	1.0								
-Isopropyltoluene	ND	1.0								
-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
-Butylbenzene	ND	3.0								
-Propylbenzene	ND	1.0								
ec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
ert-Butylbenzene	ND	1.0								
,1,1,2-Tetrachloroethane	ND	1.0								
,1,2,2-Tetrachloroethane	ND	2.0								
etrachloroethene (PCE)	ND	1.0								
rans-1,2-DCE	ND	1.0								
rans-1,3-Dichloropropene	ND	1.0								
.2,3-Trichlorobenzene	ND	1.0								
,2,4-Trichlorobenzene	ND	1.0								
.1.1-Trichloroethane	ND	1.0								
,1,2-Trichloroethane	ND	1.0								
richloroethene (TCE)	ND	1.0								
richlorofluoromethane	ND	1.0								
,2,3-Trichloropropane	ND	2.0								

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Page 5 of 11

Hall Environmental Analysis Laboratory, Inc.

WO#:

1808836

05-Sep-18

Client:

Souder, Miller and Associates

Project:

Kutz CS

Sample ID rb	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8260B: VOL	ATILES		
Client ID: PBW	Batc	n ID: R5	3547	F	RunNo: 5	3547				
Prep Date:	Analysis D)ate: 8/	17/2018	\$	SeqNo: 1	764901	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			

Sampl	ype: MS	3	Tes	tCode: E	PA Method	8260B: VOL	ATILES		
Batcl	n ID: R5	3547	F	RunNo: 5	3547				
Analysis E	Date: 8/	17/2018		SeqNo: 1	764915	Units: µg/L			
Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
5.0	0.20	4.000	0.2828	117	60.5	137			
4.4	0.20	4.000	0.4672	98.4	70	130			
3.9	0.20	4.000	0	97.3	70	130			
4.9	0.20	4.000	0	122	70	130			
4.3	0.20	4.000	0	109	70	130			
1.9		2.000		96.5	70	130			
2.1		2.000		103	70	130			
2.1		2.000		104	70	130			
1.8		2.000		91.0	70	130			
	Batcl Analysis D Result 5.0 4.4 3.9 4.9 4.3 1.9 2.1 2.1	Batch ID: R5 Analysis Date: 8/ Result PQL 5.0 0.20 4.4 0.20 3.9 0.20 4.9 0.20 4.3 0.20 1.9 2.1 2.1	Result PQL SPK value 5.0 0.20 4.000 4.4 0.20 4.000 3.9 0.20 4.000 4.9 0.20 4.000 1.9 2.000 2.1 2.000 2.1 2.000 2.1 2.000	Batch ID: R53547 F Analysis Date: 8/17/2018 S SPK value SPK Ref Val 5.0 0.20 4.000 0.2828 4.4 0.20 4.000 0.4672 3.9 0.20 4.000 0 4.9 0.20 4.000 0 4.3 0.20 4.000 0 1.9 2.000 2.1 2.000 2.1 2.000	Batch ID: R53547 RunNo: 5 Analysis Date: 8/17/2018 SeqNo: 1 Result PQL SPK value SPK Ref Val %REC 5.0 0.20 4.000 0.2828 117 4.4 0.20 4.000 0.4672 98.4 3.9 0.20 4.000 0 97.3 4.9 0.20 4.000 0 122 4.3 0.20 4.000 0 109 1.9 2.000 96.5 2.1 2.000 103 2.1 2.000 104	Batch ID: R53547 Randysis Date: 8/17/2018 SeqNo: 1764915 Result PQL SPK value SPK Ref Val %REC LowLimit 5.0 0.20 4.000 0.2828 117 60.5 4.4 0.20 4.000 0.4672 98.4 70 3.9 0.20 4.000 0 97.3 70 4.9 0.20 4.000 0 122 70 4.3 0.20 4.000 0 109 70 1.9 2.000 96.5 70 2.1 2.000 103 70 2.1 2.000 103 70 2.1 2.000 104 70	Batch ID: R53547 RunNo: 53547 Analysis Date: 8/17/2018 SeqNo: 1764915 Units: μg/L Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit 5.0 0.20 4.000 0.2828 117 60.5 137 4.4 0.20 4.000 0.4672 98.4 70 130 3.9 0.20 4.000 0 97.3 70 130 4.9 0.20 4.000 0 122 70 130 4.3 0.20 4.000 0 109 70 130 1.9 2.000 96.5 70 130 2.1 2.000 103 70 130 2.1 2.000 104 70 130	Batch ID: R53547 RunNo: 53547 Analysis Date: 8/17/2018 SeqNo: 1764915 Units: µg/L Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD 5.0 0.20 4.000 0.2828 117 60.5 137 4.4 0.20 4.000 0.4672 98.4 70 130 3.9 0.20 4.000 0 97.3 70 130 4.9 0.20 4.000 0 122 70 130 4.3 0.20 4.000 0 109 70 130 1.9 2.000 96.5 70 130 2.1 2.000 103 70 130 2.1 2.000 104 70 130	Batch ID: R53547 RunNo: 53547 Analysis Date: 8/17/2018 SeqNo: 1764915 Units: µg/L Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit 5.0 0.20 4.000 0.2828 117 60.5 137 4.4 0.20 4.000 0.4672 98.4 70 130 3.9 0.20 4.000 0 97.3 70 130 4.9 0.20 4.000 0 122 70 130 4.9 0.20 4.000 0 122 70 130 4.3 0.20 4.000 0 109 70 130 1.9 2.000 96.5 70 130 2.1 2.000 103 70 130 2.1 2.000 104 70 130

Sample ID 1808836-001amsd	SampType: MSD Batch ID: R53547			TestCode: EPA Method 8260B: VOLATILES						
Client ID: Non Exempt				RunNo: 53547						
Prep Date:	Analysis E	Date: 8/	17/2018	5	SeqNo: 1	764916	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	11.5
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.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

ue above quantitation range

Page 6 of 11

Hall Environmental Analysis Laboratory, Inc.

WO#:

1808836

05-Sep-18

Client:

Souder, Miller and Associates

Project:

Kutz CS

Sample ID mb-39844	SampT	Type: MB	LK	Tes	TestCode: EPA Method 8270C: PAHs					
Client ID: PBW	Batch	h ID: 398	344	F	RunNo: 5	3534				
Prep Date: 8/16/2018	Analysis D	Date: 8/	17/2018		SeqNo: 1	764420	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	ND	0.50	1 1							
f-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								
luoranthene	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								
ndeno(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 Ics-39844	SampType: LCS			Tes	TestCode: EPA Method 8270C: PAHs					
Client ID: LCSW	Batch	1D: 39	844	F	RunNo: 5	3534				
Prep Date: 8/16/2018	Analysis D	ate: 8/	17/2018	S	SeqNo: 1	764421	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.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 7 of 11

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1808836

05-Sep-18

Client:

Souder, Miller and Associates

SampType: LCSD

Project:

Sample ID Icsd-39844

Kutz CS

Sample ID Ics-39844	Sampl	SampType: LCS		Tes	tCode: El	PA Method	8270C: PAHs			
Client ID: LCSW	Batc	h ID: 39	844	F	RunNo: 5	3534				
Prep Date: 8/16/2018	Analysis D	Date: 8/	17/2018	8	SeqNo: 1	764421	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			

TestCode: EPA Method 8270C: PAHs

Client ID: LCSS02	Batch ID: 39844			F	RunNo: 5	3534				
Prep Date: 8/16/2018	Analysis [Date: 8/	17/2018	5	SeqNo: 1	764422	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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Page 8 of 11

Hall Environmental Analysis Laboratory, Inc.

WO#: 1808836

05-Sep-18

Qual

Client:

Souder, Miller and Associates

Result

Project:

Kutz CS

Sample ID MB-40028

SampType: MBLK

TestCode: EPA Method 7470: Mercury

Client ID: PBW

Batch ID: 40028

RunNo: 53784

SPK value SPK Ref Val %REC LowLimit

Prep Date: 8/28/2018 Analysis Date: 8/29/2018 PQL

SeqNo: 1775035 Units: mg/L

Analyte Mercury

ND 0.00020

Sample ID LCS-40028

Prep Date: 8/28/2018

Client ID: LCSW

SampType: LCS Batch ID: 40028

PQL

0.00020

TestCode: EPA Method 7470: Mercury RunNo: 53784

Units: mg/L

HighLimit

%RPD

%RPD

%RPD

Analyte

Client ID:

Prep Date:

Result

0.0053

Analysis Date: 8/29/2018

0.005000

SPK value SPK Ref Val

SeqNo: 1775036

%REC

106

HighLimit

120

RPDLimit Qual

RPDLimit

Mercury

Sample ID 1808836-001CMS

Non Exempt

8/28/2018

Sample ID 1808836-001CMSD

Non Exempt

8/28/2018

SampType: MS Batch ID: 40028 TestCode: EPA Method 7470: Mercury RunNo: 53784

Lowl imit

80

75

TestCode: EPA Method 7470: Mercury

Units: mg/L

Analyte

Analysis Date: 8/29/2018 Result POL

SeqNo: 1775038 SPK value SPK Ref Val %REC LowLimit

HighLimit 125 **RPDLimit**

Qual

Qual

Mercury

0.0043 0.00020 0.005000 0.0003480

SampType: MSD

Batch ID: 40028

79.1

RunNo: 53784 SeqNo: 1775039

Units: mg/L

HighLimit

125

%RPD

RPDLimit

Analyte Mercury

Client ID:

Prep Date:

Analysis Date: 8/29/2018 PQL

0.0045 0.00020

SPK value SPK Ref Val

0.005000 0.0003480

%REC LowLimit 83.9

75

5.50

20

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- H Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits J
- P Sample pH Not In Range
- RL Reporting Detection Limit Sample container temperature is out of limit as specified
- Page 9 of 11

Hall Environmental Analysis Laboratory, Inc.

ND

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 %RPD **RPDLimit** LowLimit HighLimit Qual Barium ND 0.020 Cadmium ND 0.0020 Chromium 0.0060 ND Silver 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 HighLimit %RPD **RPDLimit** Qual LowLimit Barium 0.52 0.020 120 0.5000 0 104 80 Cadmium 0.50 0.0020 0.5000 0 99.5 80 120 Chromium 0.52 0.0060 0.5000 0 104 80 120 Silver 0.0050 0.10 0.1000 0 104 80 120

Sample ID MB-39852 SampType: MBLK TestCode: EPA 6010B: Total Recoverable Metals Client ID: Batch ID: 39852 RunNo: 53642 Prep Date: 8/16/2018 Analysis Date: 8/22/2018 SegNo: 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 PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual LowLimit Lead 0.49 0.0050 120 0.5000 98.5 80 0

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 HighLimit %RPD **RPDLimit** Qual LowLimit

ND 0.020 Arsenic

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix D

H Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

Analyte detected below quantitation limits

Sample pH Not In Range

P RL Reporting Detection Limit

Sample container temperature is out of limit as specified

Page 10 of 11

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

120

Analyte Arsenic

Result SPK value SPK Ref Val PQL 0.49 0.020 0.5000

%REC LowLimit 98.4

%RPD **HighLimit RPDLimit**

Qual

Sample ID MB-40021

SampType: MBLK

TestCode: EPA 6010B: Total Recoverable Metals RunNo: 53804

Prep Date: 8/28/2018

Batch ID: 40021 Analysis Date: 8/29/2018

SeqNo: 1775493

Units: mg/L

Qual

Analyte

Client ID:

Client ID:

Result PQL SPK value SPK Ref Val %REC LowLimit

HighLimit

%RPD **RPDLimit**

Selenium

ND 0.050

SampType: LCS

TestCode: EPA 6010B: Total Recoverable Metals

Sample ID LCS-40021

Batch ID: 40021

RunNo: 53804

Prep Date: 8/28/2018

LCSW

Analysis Date: 8/29/2018

SeqNo: 1775495

LowLimit

Units: mg/L **HighLimit**

RPDLimit Qual

Analyte Selenium

Result PQL SPK value SPK Ref Val 0.48 0.050 0.5000

%REC 95.0

80 120

%RPD

%RPD

Sample ID MB-40021 Client ID: PBW

SampType: MBLK Batch ID: 40021

Analysis Date: 8/29/2018

RunNo: 53804

SeqNo: 1775530

Units: mg/L

HighLimit

RPDLimit Qual

Analyte Arsenic

Prep Date:

Result ND 0.020 SPK value SPK Ref Val %REC LowLimit

TestCode: EPA 6010B: Total Recoverable Metals

TestCode: EPA 6010B: Total Recoverable Metals

Sample ID LCS-40021 Client ID: LCSW

Batch ID: 40021

SampType: LCS

RunNo: 53804

Prep Date: Analyte

8/28/2018

8/28/2018

Analysis Date: 8/29/2018

SeqNo: 1775532

Units: mg/L

Result PQL

0.52

SPK value SPK Ref Val

%REC LowLimit

HighLimit

120

Arsenic

0.020

105

%RPD **RPDLimit**

Page 11 of 11

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D

PQL Practical Quanitative Limit

- Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified



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 Thome	8/14/2018 7:00:00 AM	am It-
Completed By: Ashley Gallegos	8/14/2018 3:23:31 PM	A
Reviewed By: JAB 08/15/18	labeled b	04: mw 8/5/18
Chain of Custody		
1. Is Chain of Custody complete?	Yes 🗹	No Not Present
2. How was the sample delivered?	Courier	
Log In		
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 p	preserved? Yes Ves	18 No 2 1 9
8. Was preservative added to bottles?	Yes 🗗	No TO SIGN 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 /
2. Are matrices correctly identified on Chain of Cu	stody? Yes 🗹	No Adjusted?
3. Is it clear what analyses were requested?	Yes 🗹	No 🗆
Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗹	No ☐ Checked by: Mu
Special Handling (if applicable)		8/12/13
15. Was client notified of all discrepancies with this	s order? Yes	No □ NA ☑
Person Notified: By Whom: Regarding: Client Instructions:	Date Via: eMail Pho	one Fax In Person
16. Additional remarks: For metals-to Occuptable pH Cooler Information Cooler No Temp®C Condition Seal 1 1.6 Good Yes		prior to analysis. Signed By MW8/15/18

HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107	ACRA 8 Metals TS.V. Anions (F.CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄) 8081 Pesticides / 8082 PCB's " 8260 (VOA) 8270 (Semi-VOA) 711 Bubbles (Y or N)		Remarks: 8245 Full List Tell Composed At Terf Linists, Listolic - Electricis Clifford Long possibility. Any sub-contracted data will be clearly notated on the analytical report.
ANAL ANAL ANAL Www.ha 4901 Hawkins NE - Tel. 505-345-3975	### STEX + MTBE + TMB's (8021) BTEX + MTBE + TPH (Gas only) TPH 8015B (GRO / DRO / MRO) TPH (Method 418.1) EDB (Method 504.1) EDB (8310 ongs70,81MS)		Remarks: 8244 Full Tree Courposent Listolite - Extendition Any sub-contracted data will be clearly or
me: □ Rush 2 C.S	Project Manager: Authority way 26 Sample: 2 Preservative Type and # Type Type and # Type Type Type and # Type T	JARious -001	Time: Relinquished by: The Court Court Court Court
Turn-Around Time: Standard Project Name:	Project Manage Sampler: (21) On Ice: El Sample Temper Container Pr	> Suctions	Received by: Received by: Antracted to other accre
Chain-of-Custody Record SINA A Let W. Breadway g Address: Free-ing by Um 8740 # 505 525-7335	email or Fax#: Akkley, www.co.self (2) OAVGC Package: Standard Standard Level 4 (Full Validation) Accreditation Other Dete Time Matrix Sample Request ID	Now Extrapt	d by:
2 4 3 2 10	Ashle :: Othe	c 34	Relinquished by. Relinquished by. Relinquished by.
Client: Sur Ho I Mailing Address:	email or Fax#: A QA/QC Package: Standard Accreditation INELAP DEDD (Type) Date Time	8 8:48	7 Time: 7 Time: 18/2 If necessary, if
Client: Mailing	email o QA/QC D Star Accred D EDD	8:13:18	8-13-18 Date: 8/13/6

Good Till 8/28/ 2019 of 170

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

ALEQUEDITOR MITTED TO ACCES I SOUID THATE
1. Generator Name and Address:
HEAVY OIL SOLUTIONS, 531 ROVER BLW, LOS ALAMOS NM 87547 2. Originating Site:
HEAVY OIL SOLUTIONS, SIDI COLLEGE BLVD, FARMWGTON, NM 87402 3. Location of Material (Street Address, City, State or ULSTR):
3. Location of Material (Street Address, City, State or ULSTR):
HEAVY OIL SOLUTIONS, 5/01 COLLEGE BLVD, FARMINGTON NM 87402 4. Source and Description of Waste:
PRODUCED WATER FROM OIL UPGRADINGPROLESS DEVELOPMENT PLLOT
Estimated Volume 4/21 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, STEVE YARTISCO, representative or authorized agent for HEAVY OIL SOLUTIOUS 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 YARRO, 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
Vaste Acceptance Status:
APPROVED DENIED (Must Be Maintained As Permanent Record)
PRINT NAME: Philana Thompson TITLE: Regulatory Compliance Specialist DATE: 9/6/18
SIGNATURE: Majalus Cully TELEPHONE NO.: 505-486-1171



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 Hinkman	Date:	8/28/18	
	Walter Hinchman, Laboratory Director			
	1/1/1	Date:	8/28/18	
	Tim Cain Project Manager			



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.

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Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com aboratory@envirotech-inc.com

Page 1 of 7



Heavy Oil Solutions 531 Rover BLVD Los Alamos NM, 87547 Project Name:

No Recycle

Project Number: Project Manager: 17014-0001 Steve Yarbro **Reported:** 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	

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Page 2 of 7



Heavy Oil Solutions 531 Rover BLVD Los Alamos NM, 87547 Project Name:

No Recycle

Project Number: Project Manager: 17014-0001 Steve Yarbro Reported: 08/28/18 14:55

0921-01

P808039-01	(Water)
------------	---------

	Reporting											
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes			
Corrosivity				orta.								
рН @25°C	7.94		pH Units	1	1834019	08/24/18 10:20	08/24/18 12:36	9045D/9040 C	HI			
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**				

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Page 3 of 7



Heavy Oil Solutions 531 Rover BLVD Los Alamos NM, 87547 Project Name:

No Recycle

Project Number: 17014-0001 Project Manager: Steve Yarbro Reported: 08/28/18 14:55

Corrosivity - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	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 & Ana	1					
pH	7.99	pH Units	7	.94		0.628	20		

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Page 4 of 7



Heavy Oil Solutions 531 Rover BLVD Project Name:

No Recycle

Project Number: Project Manager: 17014-0001

Reported:

Los Alamos NM, 87547

Steve Yarbro

08/28/18 14:55

Waste Characteristic - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 1833022 - Wet Chemistry Preparation

 LCS (1833022-BS1)
 Prepared & Analyzed: 08/17/18 1

 Flash Point
 66
 ℃
 65.0
 102
 95-105

 Duplicate (1833022-DUP1)
 Source: P808032-03
 Prepared & Analyzed: 08/17/18 1
 Prepared & Analyzed: 08/17/18 1

Flash Point >95 °C 0 20

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laboratory/alen

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Page 5 of 7



Heavy Oil SolutionsProject Name:No Recycle531 Rover BLVDProject Number:17014-0001Reported:Los Alamos NM, 87547Project Manager:Steve Yarbro08/28/18 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.

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Page 6 of 7

Project Information			Chain of	Chain of Custody					4	Page of
Client: Heavy Oil Solutions	ions		Report Attention	-		Lab Use Only		TAT	E	EPA Program
Project: No Recycle Project Manager: Steve Yarbro	ve Yarbro		Report due by: Attention:		Lab WO# P & 0 \$ 0 3 9	Job Number	loop)	1D 3D	RCRA	CWA SDWA
Address: 5101 College Blve - QCB 5314	Blve - QC	8 5314	Address:		7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Analysis and Method	Metho			State
City, State, Zip Farmington, NM 87402	gton, NM 8	37402	City, State, Zip		19		-			NM CO UT AZ
Phone: 505,412,2934			Phone:		JEW		I			
Email: steve.yarbro@heavyoilsolutions.com	neavyoilsol	utions.com	Email:				72			
Time Date Matrix	lix Containers	Sample ID		Lab	Karl Fisc Ansiysis Viscosity	BS&W total sul	Bromine Answ	/		Remarks
1030 08/21 A	1		0921-1					/	7	TO INCLUDE PH, IGNITABILITY,
							Ser.	STEVE		CORROSISION ANDREACTIVITY
							13	22 14	P	
Additional Instructions:										
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that to time of collection is considered fraud and may be grounds for legal action. Sampled by:	by and authenticit d and may be gro	ty of this sample. I am a	I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or integtionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:	the sample location, d	late or	Samples requiring treceived packed in	hermal prese	rvation must be temp above 0 b	received on ice ut less than 6 °C	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.
Refinquished by: (Signature)	M. A. C.	Time	Received by: (Signature)	Date	Time			Lab Use Only	e Only	
Relinquished by: (Signature)	Date		Received by: (Signature)	Date	Time	T1 AVG Temp °C	30 LCE:	200		T3
ample Matrix: S - Soil, Sd - Soild, Sg - Sludge, A - Aqueous, O - Other	d, Sg - Sludge,	A - Aqueous, O - Oth	ler	Container	Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA	- poly/plastic,	ag - an	ber glass	V-VOA	
	davs after resi	ults are reported uni	ote: Samples are discarded 30 davs 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 will be retu try is limited to the	irned to client or disp amount paid for on th	osed of at the clic ne report.	ent expen	se. The rep	ort for the a	nalysis of the above
Janak Appal	Applying Laboratory	Porchory	5796 US Highway 64, Ferningson, HM 67401 Three Colons, AC Marches Called Sales 115	5796 US Highway 64, Farorbydon, MM 87401	(Matter)	Ph (505) 632-0615 Fr (506) 632-1965	# (505) 633-1	596 500		
		A solicitor of	Hunradis den - Albertally Server	W DURKY JOHN 114 WHENDER	I A BISA	PRISTULLIST F	L'ave javel	2		



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 Hombinson	Date:	9/13/18	
	Walter Hinchman, Laboratory Director			
	1/10	Date:	9/13/18	
	Tim Cain, Project Manager			



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.

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Heavy Oil Solutions 531 Rover BLVD Project Name:

No Recycle

Los Alamos NM, 87547

Project Number: Project Manager: 17014-0001 Steve Yarbro Reported: 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	

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Heavy Oil Solutions 531 Rover BLVD Project Name:

No Recycle

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)

Reporting

Limit

Units

Dilution

Batch

Prepared

Analyzed Method

Notes

Wet Chemistry

Analyte

Paint Filter Test

100

Result

nI.

1837027

09/13/18

09/13/18

EPA 9095B

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Page of	EPA Program	CWA SDWA		State	NM CO UT AZ		Remarks									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.		13	A	e analysis of the above	enifeteti m(190	Otherstory Tensistich Mices
	ш	RCRA					zzənbısH T TNIAq	×			4.4					received on	Lab Use Only		0/-/	ort for th		
	11	30					Silica			112			1.0			n must be above 0 bu	ab Use (glass,	rhe repo		
	TAT	1D		po		əseə	Oil & Gr				N.					eservatio		PIG.	ampe	ense.	7-1865	2-1879
				Jetho			SQT								7	rermal pr	n ice	ာ့	ag -	ent exp	(9 (505) x	r (800) 36
		mbe	1961	and N			SST								soler	quiring th	o pa/	emp	lastic,	the clie	-0615 F	-0615 F
	Only	Job Number	JARHIPE!	Analysis and Method	18	-	Bromine Water In								3	mples res	Received on ice:	AVG Temp	oly/pi	d of at	Ph (505) 632-0615 Fx (505) 632-1865	Ph (970) 259-0615 Fr (800) 362-1879
	Lab Use Only	15		An		7	с'и'н					P.			.5	Sa		FIR	d-d	ispose	€	£
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		ab WO#	717608d				Density							7 7		٠	Time	Time	e: g -	d to clie	חוור חמו	101
		lab	P 2			səlqr	osul 70					1		1009/000/10	1.5	n, date o	81		er Typ	eturned	ם ע	ngo, (0 81
tody							Lab									imple location	Date 0	Date	Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA	les will be r	, NM 87401	, Suite 115, Dura
Chain of Custody	Report Attention	Report due by:	Attention:	Address:	City, State, Zip	Phone: Fmail:		Test-Phod water	Per Ron Allens							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:	Received by (Signature)	Received by: (Signature)	her	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	arory with this COC The liability of the laboratory is ilmitted to	Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301
				CB 5314	87402	Phone: 505.412.2934 Email: steve varbro@heavvoilsolutions.com	s Sample ID	Paint Faint								, (field sampler), attest to the validity and authenticity of this sample. I am aware that time of collection is considered fraud and may be grounds for legal action. Sampled by:	Date Time	Date Time	mple Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	esults are reported un	envirotech	Analytical Laboratory
	-		rbro	00-	MN	voilso	No Containers									authent may be	O V		- Sludg	safter	0	al L
u	olutions	le e	Steve Ya	llege Blv	mington	934 o@heav	Matrix	A							ctions:	re validity and	nature)	fature)	sd - Solid, Sg	rded 30 day	Z	nalytic
formatio	S IIO wes	No Recve	lanager:	5101 Co	e, Zip Far	505.412.2	Date	9/10/k							Additional Instructions:	er), attest to the	Relinquished by; (Signature)	Tlinquished by: (Signature)	rix: S - Soil, \$	les are disca	en	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Project Information	Client: Heavy Oil Solutions	Project: No Becycle	Project Manager: Steve Yarbro	Address: 5101 College Blve - OCB 5314	City, State, Zip Farmington, NM 87402	Phone: 505.412.2934 Fmail: steve varbro@b	Time	4							Addition	I, (field sample	Relinquish	linquishe		_	17 of 5	

UICI - 5

QUARTERLY REPORT INFO

2018

Received by OCD: 11/8/2023 4:35:49 PM

District 4 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

Good Till 10/2/ Page 152 of 170

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

	Generator Name and Address: terprise Field Services; LLC, 614 Reilly Ave, Farmington NM 87401
2.	Originating Site: MAPL Lyborrk Pumping Station
	Location of Material (Street Address, City, State or ULSTR): UL C Section 14 Township 23 North Range 7 West; 36.232901, -107.545978
So De	Source and Description of Waste: urce: Water/Oil from the Non Exempt WasteWater Tanks and from the compressor skid drains. escription: Non Exempt/Non Hazardous Water from the compressor skids. timated 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
cer	Thomas Long, representative or authorized agent for Enterprise Products Operating do hereby Generator Signature rtify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 gulatory 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
	Thomas Long , representative for Enterprise Products Operating authorize to complete Generator Signature e required testing/sign the Generator Waste Testing Certification.
I.	, representative for Agua Moss, LLC do hereby certify that
rep ha	presentative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples we been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of .15.36 NMAC.
5.	Transporter: To Be Determined
A	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
V	Vaste Acceptance Status: APPROVED DENIED (Must Be Maintained As Permanent Record)
	PRINT NAME: TITLE: DATE: DIGNATURE: TELEPHONE NO.:
3	SIGNATURE: TELEPHONE NO.:



October 02, 2018

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

FAX

RE: Lybrook

OrderNo.: 1809431

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

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

andy

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1809431

Date Reported: 10/2/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Project: Lybrook

Lab ID: 1809431-001

Client Sample ID: BGT

Collection Date: 9/5/2018 11:42:00 AM

Matrix: AQUEOUS 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 AN
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: DAN
Naphthalene	ND	5.0	D	µg/L	10	9/18/2018 9:50:10 PM
1-Methylnaphthalene	ND	5.0		µg/L	10	9/18/2018 9:50:10 PM
2-Methylnaphthalene	ND	5.0		μg/L	10	9/18/2018 9:50:10 PM
Acenaphthylene	ND	5.0		µg/L	10	9/18/2018 9:50:10 PM
Acenaphthene	ND	5.0		µg/L	10	9/18/2018 9:50:10 PM
Fluorene	ND	5.0		µg/L	10	9/18/2018 9:50:10 PM
Phenanthrene	ND	5.0		µg/L	10	9/18/2018 9:50:10 PM
Anthracene	ND	5.0		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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 11
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1809431

Date Reported: 10/2/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates Client Sample ID: BGT

Project: Lybrook Collection Date: 9/5/2018 11:42:00 AM Lab ID: 1809431-001 Matrix: AQUEOUS Received Date: 9/7/2018 6:30:00 AM

Analyses	Result	PQL Qua	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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits Page 2 of 11
- Sample pH Not In Range
- Reporting Detection Limit
- Sample container temperature is out of limit as specified

Lab Order 1809431

Date Reported: 10/2/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates Client Sample ID: BGT

 Project:
 Lybrook
 Collection Date: 9/5/2018 11:42:00 AM

 Lab ID:
 1809431-001
 Matrix: AQUEOUS
 Received Date: 9/7/2018 6:30:00 AM

Analyses	Result	PQL Qua	al 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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 3 of 11
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 93643 - (206) 963-2639 - Fax (206) 962-9240 - 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

Address:

4901 HAWKINS NE SUITE D

ALBUQUERQUE, NM 87109

Attn:

ANDY FREEMAN

Batch #:

180911033

Project Name:

1809431

Analytical Results Report

Sample Number Client Sample ID 180911033-001 1809431-001D / BGT Sampling Date 9/5/2018 Sampling Time 11:42 AM

Date/Time Received 9/11/2018 11:28 AM

Matrix

Water

Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gyanide (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

This report shall not be reproduced except in full, without the written approval of the laboratory. 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 Anatok Labs ID: EPA:ID00013; AZ:0701; FI (NELAP):E87893; ID:ID00013; MT.CERT0028; NM: ID00013; NY:ID00013; CR:ID200001-002; WA:C595 Certifications held by Anatok Labs WA: EPA:WA00106; ID:WA00108; WA:C585, MT.CertiD085; FL(NELAP): E871099

Anatek Labs, Inc.

1282 Alturas Drive • Muscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@analeklabs.com 504 F 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

Quality Control Data

1 minimotor	
Cyanida (res	100

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
						441	- Contract of

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

PQL RPD Practical Quantitation Limit Relative Percentage Difference

Comments:

Certifications held by Anstet Labs ID: EPA:ID00013; AZ:0701; FL/NELAP); E87893; ID ID00013; MT:CERTD028; NM: ID00013; NV:ID00013; OR ID200001-002; WA:C585 Certifications held by Anstet Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL:(NELAP); E871099

Monday, October 01, 2018

Page 1 of 1

Hall Environmental Analysis Laboratory, Inc.

WO#: 1809431

02-Oct-18

Client: Souder, Miller and Associates

Project: Lybrook

Sample ID 100ng Ics		Type: LC			TestCode: EPA Method 8260B: VOLATILES						
Client ID: LCSW	Batc	h ID: A5	4097	F	RunNo: 5	4097					
Prep Date:	Analysis [Date: 9/	12/2018	8	SeqNo: 1	789046	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	SampT	ype: MI	BLK	Tes	tCode: El	PA Method	8260B: VOL	ATILES		
Client ID: PBW	Batcl	n ID: A5	4097	F	RunNo: 5	4097				
Prep Date:	Analysis E	Date: 9/	12/2018		SeqNo: 1	789047	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0					1000			
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.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 4 of 11

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1809431

02-Oct-18

Client: Souder, Miller and Associates

Project: Lybrook

Sample ID rb	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8260B: VOL	ATILES		
Client ID: PBW	Batch	ID: A5	4097	F	RunNo: 5	4097				
Prep Date:	Analysis D	ate: 9/	12/2018	5	SeqNo: 1	789047	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-Chlorotoluene	ND	1.0								
is-1,2-DCE	ND	1.0								
is-1,3-Dichloropropene	ND	1.0								
,2-Dibromo-3-chloropropane	ND	2.0								
ibromochloromethane	ND	1.0								
ibromomethane	ND	1.0								
2-Dichlorobenzene	ND	1.0								
3-Dichlorobenzene	ND	1.0								
4-Dichlorobenzene	ND	1.0								
ichlorodifluoromethane	ND	1.0								
,1-Dichloroethane	ND	1.0								
1-Dichloroethene	ND	1.0								
2-Dichloropropane	ND	1.0								
3-Dichloropropane	ND	1.0								
2-Dichloropropane	ND	2.0								
1-Dichloropropene	ND	1.0								
exachlorobutadiene	ND	1.0								
Hexanone	ND	10								
opropylbenzene	ND	1.0								
Isopropyltoluene	ND	1.0								
Methyl-2-pentanone	ND	10								
lethylene Chloride	ND	3.0								
-Butylbenzene	ND	3.0								
-Propylbenzene	ND	1.0								
ec-Butylbenzene	ND	1.0								
tyrene	ND	1.0								
ert-Butylbenzene	ND	1.0								
1,1,2-Tetrachloroethane	ND	1.0								
1,2,2-Tetrachloroethane	ND	2.0								
etrachloroethene (PCE)	ND	1.0								
ans-1,2-DCE	ND	1.0								
ans-1,3-Dichloropropene	ND	1.0								
2,3-Trichlorobenzene	ND	1.0								
2,4-Trichlorobenzene	ND	1.0								
1,1-Trichloroethane	ND	1.0								
1,2-Trichloroethane	ND	1.0								
richloroethene (TCE)	ND	1.0								
richlorofluoromethane	ND	1.0								
,2,3-Trichloropropane	ND	2.0								

Qualifiers:

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

Page 5 of 11

Hall Environmental Analysis Laboratory, Inc.

WO#:

1809431

02-Oct-18

Client:

Souder, Miller and Associates

Project:

Lybrook

Sample ID rb	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8260B: VOL	ATILES		
Client ID: PBW	Batch	ID: A5	4097	F	RunNo: 5	4097				
Prep Date:	Analysis D	ate: 9/	12/2018	5	SeqNo: 1	789047	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	Samp	Type: MS	3	Tes	tCode: E	PA Method	8260B: VOL	ATILES		
Client ID: BGT	Batc	h ID: A5	4097	F	RunNo: 5	4097				
Prep Date:	Analysis [Date: 9/	12/2018		SeqNo: 1	789053	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 1809431-001ams	d Samp1	Type: MS	SD	Tes	tCode: El	PA Method	8260B: VOL	ATILES			
Client ID: BGT	Batc	h ID: A5	4097	F	RunNo: 5	4097					
Prep Date:	Analysis D	Date: 9/	12/2018	5	SeqNo: 1	789054	Units: mg/L				2
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.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

Value above quantitation range

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Detection Limit

Sample container temperature is out of limit as specified

Page 6 of 11

Hall Environmental Analysis Laboratory, Inc.

WO#:

1809431

02-Oct-18

Client:

Souder, Miller and Associates

Project: Lybrook

Sample ID Ics-40295	SampT	Type: LC	S	Tes	tCode: E	PA Method	8270C: PAHs			
Client ID: LCSW	Batc	h ID: 40	295	F	RunNo: 5	54237				
Prep Date: 9/12/2018	Analysis D	Date: 9/	18/2018	\$	SeqNo: 1	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			
ndeno(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 Icsd-40295	SampT	ype: LC	SD	Tes	tCode: E	PA Method	8270C: PAHs			
Client ID: LCSS02	Batch	h ID: 40	295	F	RunNo: 5	4237				
Prep Date: 9/12/2018	Analysis E	Date: 9/	18/2018	8	SeqNo: 1	794214	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.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 7 of 11

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1809431

02-Oct-18

Client:

Souder, Miller and Associates

Sample ID Icsd-40295	SampT	ype: LC	SD	Tes	tCode: El	PA Method	8270C: PAHs			
Client ID: LCSS02	Batch	h ID: 40	295	F	RunNo: 5	4237				
Prep Date: 9/12/2018	Analysis D)ate: 9/	18/2018	S	SeqNo: 1	794214	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qua
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	
lenzo(g.h,i)perylene	12	0.50	20.00	0	62.1	42	119	0.161	30.7	
ndeno(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	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8270C: PAHs			
Client ID: PBW	Batch	n ID: 40	295	R	RunNo: 54	4237				
Prep Date: 9/12/2018	Analysis D)ate: 9/	18/2018	S	SeqNo: 1	794215	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qua
aphthalene	ND	0.50								_
-Methylnaphthalene	ND	0.50								
-Methylnaphthalene	ND	0.50								
cenaphthylene	ND	0.50								
cenaphthene	AID									
	ND	0.50								
luorene	ND	0.50								
henanthrene	ND	0.50								
luorene Phenanthrene Inthracene Iuoranthene	ND ND	0.50 0.50								
rhenanthrene anthracene	ND ND ND	0.50 0.50 0.50								
Phenanthrene Inthracene Iuoranthene Pyrene	ND ND ND	0.50 0.50 0.50 0.50								
henanthrene nthracene luoranthene yrene enz(a)anthracene	ND ND ND ND	0.50 0.50 0.50 0.50 0.50								
henanthrene nthracene luoranthene yrene enz(a)anthracene hrysene	ND ND ND ND ND	0.50 0.50 0.50 0.50 0.50 0.50								
henanthrene nthracene luoranthene yrene enz(a)anthracene chrysene enzo(b)fluoranthene	ND ND ND ND ND ND	0.50 0.50 0.50 0.50 0.50 0.50 0.50								
henanthrene nthracene luoranthene yrene enz(a)anthracene hrysene enzo(b)fluoranthene enzo(k)fluoranthene	ND ND ND ND ND ND	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50								
thenanthrene inthracene luoranthene luoranthene luoranthene lenz(a)anthracene chrysene lenzo(b)fluoranthene lenzo(k)fluoranthene lenzo(a)pyrene	ND ND ND ND ND ND ND	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50								
Phenanthrene Inthracene Iuoranthene	ND ND ND ND ND ND ND ND	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50								

87.60

20.00

Qualifiers:

Surr. N-hexadecane

Surr. Benzo(e)pyrene

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- Value above quantitation range

72.9

81.5

35.2

48.3

113

123

- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Detection Limit
- Sample container temperature is out of limit as specified

Page 8 of 11

Hall Environmental Analysis Laboratory, Inc.

WO#:

1809431 02-Oct-18

Client:

Souder, Miller and Associates

Result

Project:

Lybrook

Sample ID MB-40321 Client ID: PBW

SampType: MBLK

TestCode: EPA Method 7470: Mercury

Batch ID: 40321 RunNo: 54130

Prep Date: 9/12/2018

Analysis Date: 9/13/2018

PQL

SeqNo: 1789572 Units: mg/L

%RPD **RPDLimit** Qual

Mercury

Analyte

SPK value SPK Ref Val %REC LowLimit ND 0.00020

Sample ID LCS-40321 Client ID:

SampType: LCS Batch ID: 40321 TestCode: EPA Method 7470: Mercury

LowLimit

RunNo: 54130

Units: mg/L

HighLimit

Prep Date: 9/12/2018

Analysis Date: 9/13/2018

SeqNo: 1789573

HighLimit

%RPD **RPDLimit**

Analyte Mercury

PQL SPK value SPK Ref Val 0.005000

%REC

LCSW

0.0052 0.00020

120

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix D

Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

POL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

Analyte detected below quantitation limits

Page 9 of 11

Sample pH Not In Range

Reporting Detection Limit RL

Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1809431

02-Oct-18

Client: Souder, Miller and Associates

Project: Lybrook

Sample ID MB-40282	Samp	SampType: MBLK		Tes	als					
Client ID: PBW	Bato	h ID: 40	282	F	RunNo: 5	4168				
Prep Date: 9/11/2018	Analysis	Date: 9/	15/2018	5	SeqNo: 1	791212	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	Samp	Type: LC	s	Tes	tCode: E	PA 6010B:	Total Recover	rable Met	als	
Client ID: LCSW	Bato	h ID: 40	282	F	RunNo: 5	4168				
Prep Date: 9/11/2018	Analysis I	Date: 9/	15/2018		SeqNo: 1	791214	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	Samp	Type: MS	3	Tes	tCode: E	PA 6010B:	Total Recover	able Met	als	
Client ID: BGT	Bato	ch ID: 40	282	F	RunNo: 5	54168				
Prep Date: 9/11/2018	Analysis	Date: 9/	15/2018	5	SeqNo: 1	791226	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 1809431-001CMS	D Samp	Type: MS	SD	Tes	tCode: E	PA 6010B:	Total Recove	rable Met	als	
Client ID: BGT	Bato	ch ID: 40:	282	F	RunNo: 5	54168				
Prep Date: 9/11/2018	Analysis	Date: 9/	15/2018	5	SeqNo: 1	791227	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.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 10 of 11

P Sample pH Not In Range RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1809431

02-Oct-18

Client:

Souder, Miller and Associates

Project:

Lybrook

Sample ID 1809431-001CMSD
Client ID: BGT

SampType: MSD

TestCode: EPA 6010B: Total Recoverable Metals

Batch ID: 40282 RunNo: 54168

Prep Date: 9/11/2018 Analysis Date: 9/15/2018

SeqNo: 1791227 Units: mg/L

%RPD Analyte Result PQL SPK value SPK Ref Val %REC HighLimit **RPDLimit** LowLimit 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.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 11 of 11

P Sample pH Not In Range RL Reporting Detection Limit

W Sample container temperature is out of limit as specified



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	М	Work	Order Numb	er: 180	9431			RcptN	0: 1
Received By:	Anne Tho	me	9/7/201	8 6:30:00 AN	1		an	1.		
Completed By:	Anne Tho	rne	9/10/20	18 8:47:08 A	М			1.		
Reviewed By:	ENH	1	9/11	81/1						
	C 10 1-	•	17.10	2710			1-1-61	1	M: JAB	09/10/18
hain of Cust	ody					2)	Latered	b	A OLLS	Ottolin
. Is Chain of Cus	100	lete?			Yes	V	No		Not Present	
How was the s	ample deliv	vered?			Cou	rier				
Log In										
. Was an attemp	ot made to	cool the samp	les?		Yes	V	No		NA 🗆	
. Were all sample	es received	at a temperar	ture of >0° C	to 6.0°C	Yes	4	No		NA 🗆	
Sample(s) in pr	roper conta	iner(s)?			Yes	V	No			
Sufficient samp	le volume f	or indicated te	est/s\?		Yes		No			
Are samples (ex				ed?	Yes		No			
Was preservation			party particular		Yes		No	V	NA 🗆	
VOA vials have	zero heads	space?			Yes	~	No		No VOA Vials	
. Were any samp			roken?		Yes	-	No	V		
									# of preserved bottles checked	1/2
. Does paperwork (Note discrepant					Yes	~	No		for pH:	r 12 Inless noted
Are matrices co					Yes	V	No		Adjusted?	NO NOTE OF THE PARTY OF THE PAR
Is it clear what a					Yes		No			-1
. Were all holding	times able	to be met?			Yes	~	No		Checked by:	JHB 09
(If no, notify cus	stomer for a	uthorization.)								
ecial Handlin	ng (if app	olicable)								
Was client notif	fied of all di	screpancies v	vith this order?		Yes		No		NA 🗹	
Person N	lotified:			Date				memore.		
By Whom	n:]			Via:	☐ eM	ail [Phone	Fax	☐ In Person	
Regardin	g:									
Client Ins	structions:									
6. Additional rem	arks:									_
. Cooler Inform	nation									
Cooler No	Temp °C	The second second second second second	Seal Intact	Seal No	Seal D	ate	Signed I	Зу		
2	1.2	Good	Yes							

Page 1 of 1

IATHEMNOOTVAL HAR	ANALVETE LABORATORY	www.hellowingnmental.com	4901 Hawkins NE - Albuquerque, NM 87109	TOTAL SEC SON SECONDARY	Tel. 505-345-3975 Fax 505-345-4107 Analysis Request				13(0) 13(0) 13(0)	(F.40) 0528 1 081 (F)	or 10 (NO)	TPH (Metho EDB (Metho RCRA 8 Me Anions (F,CI 8270 (Semi- R270 (Semi-	XXX					Report TCLP compound at TCLP limit Invoice Enterprise (C: Tomlang
			4901 Hav	Tel 605	coc lei	_	luc	Cas () H	41 -	(GE	BTEX + MTI BTEX + MTI BS108 H9T Methodelpo						Report 7
Turit-Around Time;	Standard 🗆 Rush		Lybrook	Project #:			Project Manager:	AShly Maximed		On ce. V Yes.	emperature. 2	Container Preservative Type and # Type [80043]	105 September 1600				Remained by Date Time	Hall gulls
Cham-or-custody Record			Mailing Address: 40) W Proadway	7 67.67	1 P 1 2 5	1	T MXVVCVI	☐ Level 4 (Full Validation)				Sample Request ID	1827 1				3	quished by Jav
ain-or-cu	Smp		Iress: HO)	Taraninaha Mid Orice	Phone # XXV-800	4 655	× 12 15	rage:		□ Other	(ed	Time Matrix	11.42 Panic				e. Relinquished by	1530 Relinguished by
3	Client		Mailing Add	Larrain	Phone # 2	The state of the s	email or rax#.	QA/QC Package:	Accreditation	□ NELAP	□ EDD (Type)	Date	9.50				Date: Time:	9 3

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

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:	OGRID:
AGUA MOSS, LLC	247130
P.O. Box 600	Action Number:
Farmington, NM 87499	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

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

CONDITIONS

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