

1RF - 452

**James 20-29 Fed Com 37H
Recycling Facility
Closure Approval**

**Cimarex Energy
August 5, 2020**

From: [LucasKamat, Susan, EMNRD](#)
To: ["Mary Barnett"](#)
Subject: 1RF-452 James 20-29 Federal Com 37H Recycling Facility Closure (Sec 20-23S-32E, Lea County, NM), Cimarex Energy RE: C147 Closure documents
Date: Wednesday, August 5, 2020 4:47:00 PM

Ms. Barnett,

NM OCD has reviewed and approved the closure report submitted for 1RF-452 James 20-29 Federal Com 37H Recycling Facility (Sec 20-23S-32E, Lea County, NM), Cimarex Energy. The approved document will be loaded to the OCD Imaging within 24 hours. You can download a copy from <http://ocdimage.emnrd.state.nm.us/imaging//AEOrderFileView.aspx?appNo=pSL2021758388>.

Regards,
Susan

Susan A. Lucas Kamat
Environmental Scientist
Oil Conservation Division
Energy, Minerals, and Natural Resources Department
5200 Oakland Avenue, Suite 100
Albuquerque, New Mexico 87113
(505) 670-8745
Susan.LucasKamat@state.nm.us

From: Mary Barnett <MBarnett@cimarex.com>
Sent: Monday, June 15, 2020 3:35 PM
To: LucasKamat, Susan, EMNRD <Susan.LucasKamat@state.nm.us>
Subject: [EXT] C147 Closure documents

Susan,
I am attaching some C147 Closure forms with the soil sample reports, I will also mail them to your office.
Larry Garrison has retired and I am taking over for him, if you have a different method of submitting these please let me know.

Thank you,

Mary Barnett
Drilling Tech
Cimarex Energy Co.
918-295-1629
mbarnett@cimarex.com

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

Form C-147
Revised April 3, 2017

Recycling Facility Only

Type of action: ☐ Permit ☐ Registration ☐ Modification ☒ Closure ☐ Other (explain) _____

Be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.
Operator: Cimarex Energy Co (For multiple operators attach page with information) OGRID #: 215099
Address: 202 S. Cheyenne Ave Ste 1000 Tulsa, OK 74103
Facility or well name (include API# if associated with a well): James 20-29 Federal Com 37H
OCD Permit Number: 1RF-452 For new facilities the permit number will be assigned by the district office)
U/L or Qtr/Qtr NW/NW Section 20 Township 23S Range 32E County: Lea
Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.
☒ **Recycling Facility:**
Location of recycling facility (if applicable): Latitude 32.296174 Longitude -103.702441 NAD83
Proposed Use: ☐ Drilling* ☒ Completion* ☐ Production* ☐ Plugging *
**The re-use of produced water may NOT be used until fresh water zones are cased and cemented*
☐ Other, requires permit for other uses. Describe use, process, testing, volume of produced water and ensure there will be no adverse impact on groundwater or surface water.
☒ Fluid Storage
☒ Above ground tanks ☐ Activity permitted under 19.15.17 NMAC explain type _____
☐ Activity permitted under 19.15.36 NMAC explain type: _____ ☐ Other explain _____
☐ Closure Report (required within 60 days of closure completion): ☐ Recycling Facility Closure Completion Date: _____

3.
Variances:
Justifications and/or demonstrations that the proposed variance will afford reasonable protection against contamination of fresh water, human health, and the environment.
Check the below box only if a variance is requested:
☐ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. If a Variance is requested, include the variance information on a separate page and attach it to the C-147 as part of the application.
If a Variance is requested, it must be approved prior to implementation.

4.
Operator Application Certification:
I hereby certify that the information and attachments submitted with this application are true, accurate and complete to the best of my knowledge and belief.
Name (Print): Mary Barnett Title: Drilling Tech
Signature: Mary Barnett Date: 6/15/2020
e-mail address: mbarnett@cimarex.com Telephone: 918-295-1700 or 918-295-1629

5.
OCD Representative Signature: Susan A. Luna-Rodriguez Approval/Registration Date: August 5, 2020
Title: Environmental Scientist OCD Permit Number: 1RF-452
☐ OCD Conditions
☐ Additional OCD Conditions on Attachment



10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

June 09, 2020

Kelly Miller
Creston Environmental LLC
PO box 1663
Norman, OK 73070

Work Order: **HS20060061**

Laboratory Results for: **Cimarex James 20-29 FED #37H Recycl. FAC**

Dear Kelly,

ALS Environmental received 2 sample(s) on Jun 02, 2020 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Bernadette A. Fini
Project Manager

Client:

Project:

Work Order:

Creston Environmental LLC

Cimarex James 20-29 FED #37H Recycl. FAC

HS20060061

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS20060061-01	RF-06012020-700-03	Soil		01-Jun-2020 12:33	02-Jun-2020 09:00	☐
HS20060061-02	Trip Blank	Water		01-Jun-2020 00:01	02-Jun-2020 09:00	☐

Client: Creston Environmental LLC
Project: Cimarex James 20-29 FED #37H Recycl. FAC
Work Order: HS20060061

CASE NARRATIVE

GC Semivolatiles by Method SW8015M

Batch ID: 154060

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

GC Volatiles by Method SW8015

Batch ID: R362630

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

GCMS Volatiles by Method SW8260

Batch ID: R362558,R362881

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

WetChemistry by Method SW3550

Batch ID: R362580

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

WetChemistry by Method E300

Batch ID: 154026

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.
-

Client: Creston Environmental LLC
 Project: Cimarex James 20-29 FED #37H Recycl. FAC
 Sample ID: RF-06012020-700-03
 Collection Date: 01-Jun-2020 12:33

ANALYTICAL REPORT

WorkOrder:HS20060061
 Lab ID:HS20060061-01
 Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		Method:SW8260		Analyst: WLR		
Benzene	ND		0.0063	mg/Kg-dry	1	03-Jun-2020 16:27
Ethylbenzene	ND		0.0063	mg/Kg-dry	1	03-Jun-2020 16:27
Toluene	ND		0.0063	mg/Kg-dry	1	03-Jun-2020 16:27
Xylenes, Total	ND		0.0063	mg/Kg-dry	1	03-Jun-2020 16:27
Surr: 1,2-Dichloroethane-d4	96.1		70-126	%REC	1	03-Jun-2020 16:27
Surr: 4-Bromofluorobenzene	95.9		70-130	%REC	1	03-Jun-2020 16:27
Surr: Dibromofluoromethane	93.9		70-130	%REC	1	03-Jun-2020 16:27
Surr: Toluene-d8	102		70-130	%REC	1	03-Jun-2020 16:27
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015		Analyst: QX		
Gasoline Range Organics	ND		0.061	mg/Kg-dry	1	03-Jun-2020 12:12
Surr: 4-Bromofluorobenzene	115		70-123	%REC	1	03-Jun-2020 12:12
TPH DRO/ORO BY SW8015C		Method:SW8015M		Prep:SW3541 / 03-Jun-2020 Analyst: PVL		
TPH (Diesel Range)	3.7		1.7	mg/Kg-dry	1	04-Jun-2020 04:43
TPH (Motor Oil Range)	5.5		3.5	mg/Kg-dry	1	04-Jun-2020 04:43
Surr: 2-Fluorobiphenyl	68.9		60-129	%REC	1	04-Jun-2020 04:43
ANIONS BY E300.0		Method:E300		Prep:E300 / 02-Jun-2020 Analyst: JHD		
Chloride	1,100		25.3	mg/Kg-dry	5	05-Jun-2020 21:06
MOISTURE		Method:SW3550		Analyst: MZD		
Percent Moisture	2.69		0.0100	wt%	1	02-Jun-2020 13:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Creston Environmental LLC
Project: Cimarex James 20-29 FED #37H Recycl. FAC
Sample ID: Trip Blank
Collection Date: 01-Jun-2020 00:01

ANALYTICAL REPORT

WorkOrder:HS20060061
Lab ID:HS20060061-02
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: AKP		
Benzene	ND		0.0010	mg/L	1	09-Jun-2020 01:43
Ethylbenzene	ND		0.0010	mg/L	1	09-Jun-2020 01:43
Toluene	ND		0.0010	mg/L	1	09-Jun-2020 01:43
Xylenes, Total	ND		0.0010	mg/L	1	09-Jun-2020 01:43
Surr: 1,2-Dichloroethane-d4	86.8		70-126	%REC	1	09-Jun-2020 01:43
Surr: 4-Bromofluorobenzene	101		81-113	%REC	1	09-Jun-2020 01:43
Surr: Dibromofluoromethane	91.2		77-123	%REC	1	09-Jun-2020 01:43
Surr: Toluene-d8	94.1		82-127	%REC	1	09-Jun-2020 01:43

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: Creston Environmental LLC
Project: Cimarex James 20-29 FED #37H Recycl. FAC
WorkOrder: HS20060061

Batch ID: 3765 **Start Date:** 03 Jun 2020 07:23 **End Date:** 03 Jun 2020 07:23
Method: VOLATILES BY SW8260C

Sample ID	Container	Sample Wt/Vol	Final Volume	Weight Factor	Container Type
HS20060061-01	1	4.102 (g)	5 (mL)	1.22	TerraCore (5035A)

Batch ID: 3766 **Start Date:** 03 Jun 2020 11:03 **End Date:** 03 Jun 2020 11:03
Method: GASOLINE RANGE ORGANICS BY SW8015C **Prep Code:**

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS20060061-01	1	4.231 (g)	5 (mL)	1.18	TerraCore (5035A)

Batch ID: 154026 **Start Date:** 02 Jun 2020 09:57 **End Date:** 02 Jun 2020 13:00
Method: 300 ANIONS SOIL PREP **Prep Code:** 300_S_PR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor
HS20060061-01		5.0729 (g)	50 (mL)	9.856

Batch ID: 154060 **Start Date:** 03 Jun 2020 12:30 **End Date:** 03 Jun 2020 15:30
Method: SOPREP: 3541 TPH **Prep Code:** 8015SPR_LL

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor
HS20060061-01	1	30.03 (g)	1 (mL)	0.0333

Client: Creston Environmental LLC
Project: Cimarex James 20-29 FED #37H Recycl. FAC
WorkOrder: HS20060061

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 154026 (0)		Test Name : ANIONS BY E300.0			Matrix: Soil	
HS20060061-01	RF-06012020-700-03	01 Jun 2020 12:33		02 Jun 2020 09:57	05 Jun 2020 21:06	5
Batch ID: 154060 (1)		Test Name : TPH DRO/ORO BY SW8015C			Matrix: Soil	
HS20060061-01	RF-06012020-700-03	01 Jun 2020 12:33		03 Jun 2020 12:30	04 Jun 2020 04:43	1
Batch ID: R362558 (0)		Test Name : VOLATILES BY SW8260C			Matrix: Soil	
HS20060061-01	RF-06012020-700-03	01 Jun 2020 12:33			03 Jun 2020 16:27	1
Batch ID: R362580 (0)		Test Name : MOISTURE			Matrix: Soil	
HS20060061-01	RF-06012020-700-03	01 Jun 2020 12:33			02 Jun 2020 13:53	1
Batch ID: R362630 (0)		Test Name : GASOLINE RANGE ORGANICS BY SW8015C			Matrix: Soil	
HS20060061-01	RF-06012020-700-03	01 Jun 2020 12:33			03 Jun 2020 12:12	1
Batch ID: R362881 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Water	
HS20060061-02	Trip Blank	01 Jun 2020 00:01			09 Jun 2020 01:43	1

Client: Creston Environmental LLC
Project: Cimarex James 20-29 FED #37H Recycl. FAC
WorkOrder: HS20060061

QC BATCH REPORT

Batch ID: 154060 (1)		Instrument: FID-7		Method: TPH DRO/ORO BY SW8015C					
MBLK	Sample ID: MBLK-154060	Units: mg/Kg		Analysis Date: 08-Jun-2020 11:18					
Client ID:	Run ID: FID-7_362805		SeqNo: 5609776		PrepDate: 03-Jun-2020		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
TPH (Diesel Range)	ND	1.7							
TPH (Motor Oil Range)	ND	3.4							
Surr: 2-Fluorobiphenyl	2.352	0.10	3.33	0	70.6	70 - 130			
LCS	Sample ID: LCS-154060	Units: mg/Kg		Analysis Date: 03-Jun-2020 23:05					
Client ID:	Run ID: FID-7_362805		SeqNo: 5609766		PrepDate: 03-Jun-2020		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
TPH (Diesel Range)	25.29	1.7	33.33	0	75.9	70 - 130			
TPH (Motor Oil Range)	24.97	3.4	33.33	0	74.9	70 - 130			
Surr: 2-Fluorobiphenyl	2.382	0.10	3.33	0	71.5	70 - 130			
MS	Sample ID: HS20051140-01MS	Units: mg/Kg		Analysis Date: 03-Jun-2020 23:54					
Client ID:	Run ID: FID-7_362805		SeqNo: 5609768		PrepDate: 03-Jun-2020		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
TPH (Diesel Range)	30.33	1.7	33.23	4.48	77.8	70 - 130			
TPH (Motor Oil Range)	26.27	3.4	33.23	2.969	70.1	70 - 130			
Surr: 2-Fluorobiphenyl	2.621	0.10	3.32	0	78.9	60 - 129			
MSD	Sample ID: HS20051140-01MSD	Units: mg/Kg		Analysis Date: 04-Jun-2020 00:18					
Client ID:	Run ID: FID-7_362805		SeqNo: 5609769		PrepDate: 03-Jun-2020		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
TPH (Diesel Range)	29.65	1.7	33.29	4.48	75.6	70 - 130	30.33	2.28	30
TPH (Motor Oil Range)	30.98	3.4	33.29	2.969	84.2	70 - 130	26.27	16.5	30
Surr: 2-Fluorobiphenyl	2.77	0.10	3.326	0	83.3	60 - 129	2.621	5.54	30

The following samples were analyzed in this batch: HS20060061-01

Client: Creston Environmental LLC
Project: Cimarex James 20-29 FED #37H Recycl. FAC
WorkOrder: HS20060061

QC BATCH REPORT

Batch ID: R362630 (0)		Instrument: FID-14		Method: GASOLINE RANGE ORGANICS BY SW8015C					
MBLK	Sample ID: MBLK-060320	Units: mg/Kg		Analysis Date: 03-Jun-2020 10:39					
Client ID:	Run ID: FID-14_362630		SeqNo: 5605977		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual

Gasoline Range Organics ND 0.050

Surr: 4-Bromofluorobenzene 0.11 0.0050 0.1 0 110 75 - 121

LCS	Sample ID: LCS-060320	Units: mg/Kg		Analysis Date: 03-Jun-2020 10:22					
Client ID:	Run ID: FID-14_362630		SeqNo: 5605976		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual

Gasoline Range Organics 1.118 0.050 1 0 112 72 - 121

Surr: 4-Bromofluorobenzene 0.09328 0.0050 0.1 0 93.3 75 - 121

MS	Sample ID: HS20060102-01MS	Units: mg/Kg		Analysis Date: 03-Jun-2020 12:44					
Client ID:	Run ID: FID-14_362630		SeqNo: 5605983		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual

Gasoline Range Organics 1.022 0.048 0.96 0 106 70 - 130

Surr: 4-Bromofluorobenzene 0.08653 0.0048 0.096 0 90.1 70 - 123

MSD	Sample ID: HS20060102-01MSD	Units: mg/Kg		Analysis Date: 03-Jun-2020 13:00					
Client ID:	Run ID: FID-14_362630		SeqNo: 5605984		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual

Gasoline Range Organics 1.009 0.050 1.01 0 99.9 70 - 130 1.022 1.25 30

Surr: 4-Bromofluorobenzene 0.08273 0.0050 0.101 0 81.9 70 - 123 0.08653 4.49 30

The following samples were analyzed in this batch: HS20060061-01

Client: Creston Environmental LLC
Project: Cimarex James 20-29 FED #37H Recycl. FAC
WorkOrder: HS20060061

QC BATCH REPORT

Batch ID: R362558 (0)		Instrument: VOA5		Method: VOLATILES BY SW8260C					
MBLK	Sample ID: VBLKS1-060320	Units: ug/Kg		Analysis Date: 03-Jun-2020 08:56					
Client ID:	Run ID: VOA5_362558	SeqNo: 5604880		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	ND	5.0							
Ethylbenzene	ND	5.0							
Toluene	ND	5.0							
Xylenes, Total	ND	5.0							
Surr: 1,2-Dichloroethane-d4	47.96	0	50	0	95.9	76 - 125			
Surr: 4-Bromofluorobenzene	48.4	0	50	0	96.8	80 - 120			
Surr: Dibromofluoromethane	47.48	0	50	0	95.0	80 - 119			
Surr: Toluene-d8	50.4	0	50	0	101	81 - 118			

LCS	Sample ID: VLCSS1-060320	Units: ug/Kg		Analysis Date: 03-Jun-2020 08:06					
Client ID:	Run ID: VOA5_362558	SeqNo: 5604879		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	45.91	5.0	50	0	91.8	75 - 124			
Ethylbenzene	45.93	5.0	50	0	91.9	70 - 123			
Toluene	44.97	5.0	50	0	89.9	76 - 122			
Xylenes, Total	137.6	5.0	150	0	91.8	77 - 128			
Surr: 1,2-Dichloroethane-d4	49.47	0	50	0	98.9	76 - 125			
Surr: 4-Bromofluorobenzene	49.45	0	50	0	98.9	80 - 120			
Surr: Dibromofluoromethane	50.06	0	50	0	100	80 - 119			
Surr: Toluene-d8	49.77	0	50	0	99.5	81 - 118			

MS	Sample ID: HS20060091-05MS	Units: ug/Kg		Analysis Date: 03-Jun-2020 12:41					
Client ID:	Run ID: VOA5_362558	SeqNo: 5605381		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	43.72	4.8	48.5	0	90.2	70 - 130			
Ethylbenzene	43.59	4.8	48.5	0	89.9	70 - 130			
Toluene	43.18	4.8	48.5	0	89.0	70 - 130			
Xylenes, Total	131	4.8	145.5	0	90.0	70 - 130			
Surr: 1,2-Dichloroethane-d4	48.99	0	48.5	0	101	70 - 126			
Surr: 4-Bromofluorobenzene	48.02	0	48.5	0	99.0	70 - 130			
Surr: Dibromofluoromethane	48.87	0	48.5	0	101	70 - 130			
Surr: Toluene-d8	47.18	0	48.5	0	97.3	70 - 130			

Client: Creston Environmental LLC
Project: Cimarex James 20-29 FED #37H Recycl. FAC
WorkOrder: HS20060061

QC BATCH REPORT

Batch ID: R362558 (0)		Instrument: VOA5		Method: VOLATILES BY SW8260C						
MSD		Sample ID: HS20060091-05MSD		Units: ug/Kg		Analysis Date: 03-Jun-2020 13:06				
Client ID:		Run ID: VOA5_362558		SeqNo: 5605382		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	45.02	4.8	48.5	0	92.8	70 - 130	43.72	2.92	30	
Ethylbenzene	44.92	4.8	48.5	0	92.6	70 - 130	43.59	3.01	30	
Toluene	44.39	4.8	48.5	0	91.5	70 - 130	43.18	2.75	30	
Xylenes, Total	135.8	4.8	145.5	0	93.3	70 - 130	131	3.57	30	
Surr: 1,2-Dichloroethane-d4	46.73	0	48.5	0	96.4	70 - 126	48.99	4.71	30	
Surr: 4-Bromofluorobenzene	48.08	0	48.5	0	99.1	70 - 130	48.02	0.119	30	
Surr: Dibromofluoromethane	48.39	0	48.5	0	99.8	70 - 130	48.87	0.973	30	
Surr: Toluene-d8	47.87	0	48.5	0	98.7	70 - 130	47.18	1.45	30	

The following samples were analyzed in this batch: HS20060061-01

Client: Creston Environmental LLC
Project: Cimarex James 20-29 FED #37H Recycl. FAC
WorkOrder: HS20060061

QC BATCH REPORT

Batch ID: R362881 (0)		Instrument: VOA2		Method: LOW LEVEL VOLATILES BY SW8260C					
MBLK	Sample ID: VBLKW-200608	Units: ug/L		Analysis Date: 09-Jun-2020 01:20					
Client ID:	Run ID: VOA2_362881	SeqNo: 5611354		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	ND	1.0							
Ethylbenzene	ND	1.0							
Toluene	ND	1.0							
Xylenes, Total	ND	1.0							
Surr: 1,2-Dichloroethane-d4	43.13	1.0	50	0	86.3	70 - 123			
Surr: 4-Bromofluorobenzene	50.71	1.0	50	0	101	82 - 115			
Surr: Dibromofluoromethane	45.27	1.0	50	0	90.5	73 - 126			
Surr: Toluene-d8	47.13	1.0	50	0	94.3	81 - 120			

LCS	Sample ID: VLCSW-200608	Units: ug/L		Analysis Date: 09-Jun-2020 00:32					
Client ID:	Run ID: VOA2_362881	SeqNo: 5611353		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	19.33	1.0	20	0	96.6	74 - 120			
Ethylbenzene	21.19	1.0	20	0	106	77 - 117			
Toluene	20.43	1.0	20	0	102	77 - 118			
Xylenes, Total	68.2	1.0	60	0	114	75 - 122			
Surr: 1,2-Dichloroethane-d4	45.19	1.0	50	0	90.4	70 - 130			
Surr: 4-Bromofluorobenzene	50.14	1.0	50	0	100	82 - 115			
Surr: Dibromofluoromethane	44.33	1.0	50	0	88.7	73 - 126			
Surr: Toluene-d8	47.35	1.0	50	0	94.7	81 - 120			

MS	Sample ID: HS20060175-01MS	Units: ug/L		Analysis Date: 09-Jun-2020 06:03					
Client ID:	Run ID: VOA2_362881	SeqNo: 5611366		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	17.84	1.0	20	0	89.2	70 - 127			
Ethylbenzene	19.69	1.0	20	0	98.5	70 - 124			
Toluene	19.26	1.0	20	0	96.3	70 - 123			
Xylenes, Total	63.43	1.0	60	0	106	70 - 130			
Surr: 1,2-Dichloroethane-d4	44.43	1.0	50	0	88.9	70 - 126			
Surr: 4-Bromofluorobenzene	49.86	1.0	50	0	99.7	81 - 113			
Surr: Dibromofluoromethane	45.02	1.0	50	0	90.0	77 - 123			
Surr: Toluene-d8	47.59	1.0	50	0	95.2	82 - 127			

Client: Creston Environmental LLC
Project: Cimarex James 20-29 FED #37H Recycl. FAC
WorkOrder: HS20060061

QC BATCH REPORT

Batch ID: R362881 (0)		Instrument: VOA2		Method: LOW LEVEL VOLATILES BY SW8260C						
MSD		Sample ID: HS20060175-01MSD		Units: ug/L		Analysis Date: 09-Jun-2020 06:27				
Client ID:		Run ID: VOA2_362881		SeqNo: 5611367		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	17.08	1.0	20	0	85.4	70 - 127	17.84	4.39	20	
Ethylbenzene	18.63	1.0	20	0	93.1	70 - 124	19.69	5.57	20	
Toluene	17.84	1.0	20	0	89.2	70 - 123	19.26	7.65	20	
Xylenes, Total	59.48	1.0	60	0	99.1	70 - 130	63.43	6.43	20	
Surr: 1,2-Dichloroethane-d4	43.9	1.0	50	0	87.8	70 - 126	44.43	1.18	20	
Surr: 4-Bromofluorobenzene	50.12	1.0	50	0	100	81 - 113	49.86	0.528	20	
Surr: Dibromofluoromethane	43.68	1.0	50	0	87.4	77 - 123	45.02	3.03	20	
Surr: Toluene-d8	46.9	1.0	50	0	93.8	82 - 127	47.59	1.47	20	

The following samples were analyzed in this batch: HS20060061-02

Client: Creston Environmental LLC
Project: Cimarex James 20-29 FED #37H Recycl. FAC
WorkOrder: HS20060061

QC BATCH REPORT

Batch ID: 154026 (0)		Instrument: ICS-Integrion		Method: ANIONS BY E300.0					
MBLK	Sample ID: MBLK-154026	Units: mg/Kg		Analysis Date: 03-Jun-2020 10:37					
Client ID:	Run ID: ICS-Integrion_362596		SeqNo: 5605492		PrepDate: 02-Jun-2020		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Chloride	ND	5.00							
LCS	Sample ID: LCS-154026	Units: mg/Kg		Analysis Date: 03-Jun-2020 02:10					
Client ID:	Run ID: ICS-Integrion_362596		SeqNo: 5605482		PrepDate: 02-Jun-2020		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Chloride	198.9	5.00	200	0	99.5	90 - 110			
MS	Sample ID: HS20060033-03MS	Units: mg/Kg		Analysis Date: 03-Jun-2020 03:22					
Client ID:	Run ID: ICS-Integrion_362596		SeqNo: 5605486		PrepDate: 02-Jun-2020		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Chloride	100.3	4.94	98.71	3.212	98.4	75 - 125			
MSD	Sample ID: HS20060033-03MSD	Units: mg/Kg		Analysis Date: 03-Jun-2020 03:40					
Client ID:	Run ID: ICS-Integrion_362596		SeqNo: 5605487		PrepDate: 02-Jun-2020		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Chloride	97.45	4.95	99.08	3.212	95.1	75 - 125	100.3	2.91	20
The following samples were analyzed in this batch: HS20060061-01									

Client: Creston Environmental LLC
Project: Cimarex James 20-29 FED #37H Recycl. FAC
WorkOrder: HS20060061

QC BATCH REPORT

Batch ID: R362580 (0)		Instrument: Balance1		Method: MOISTURE					
DUP	Sample ID: HS20060056-01DUP	Units: wt%		Analysis Date: 02-Jun-2020 13:53					
Client ID:	Run ID: Balance1_362580		SeqNo: 5605242		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Percent Moisture	12.9	0.0100					12.8	0.778	20

The following samples were analyzed in this batch: HS20060061-01

Client: Creston Environmental LLC
Project: Cimarex James 20-29 FED #37H Recycl. FAC
WorkOrder: HS20060061

**QUALIFIERS,
ACRONYMS, UNITS**

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/Kg-dry	Milligrams per Kilogram- Dry weight corrected
mg/L	Milligrams per Liter
wt%	

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	20-030-0	26-Mar-2021
Dept of Defense	ANAB L2231 V009	22-Dec-2021
Florida	E87611-28	30-Jun-2020
Illinois	2000322020-4	09-May-2021
Kansas	E-10352 2019-2020	31-Jul-2020
Louisiana	03087, 2019-2020	30-Jun-2020
Maryland	343, 2019-2020	30-Jun-2020
North Carolina	624-2020	31-Dec-2020
Oklahoma	2019-141	31-Aug-2020
Texas	T104704231-20-26	30-Apr-2021

Client: Creston Environmental LLC
Project: Cimarex James 20-29 FED #37H Recycl. FAC
Work Order: HS20060061

SAMPLE TRACKING

Lab Samp ID	Client Sample ID	Action	Date	Person	New Location
HS20060061-01	RF-06012020-700-03	Login	6/2/2020 1:38:18 PM	PMG	VOA061
HS20060061-01	RF-06012020-700-03	Login	6/2/2020 1:38:18 PM	PMG	SPA296
HS20060061-01	RF-06012020-700-03	Login	6/2/2020 1:38:18 PM	PMG	J046
HS20060061-01	RF-06012020-700-03	Login	6/2/2020 1:38:18 PM	PMG	J046
HS20060061-02	Trip Blank	Login	6/2/2020 1:38:18 PM	PMG	VOA042

Sample Receipt Checklist

Work Order ID: HS20060061

Date/Time Received: 02-Jun-2020 09:00

Client Name: Creston Environmental LLC Norman OK

Received by: Paresh M. Giga

Completed By: <u>/S/ Paresh M. Giga</u>	02-Jun-2020 12:58	Reviewed by: <u>/S/ Bernadette A. Fini</u>	02-Jun-2020 16:37
eSignature	Date/Time	eSignature	Date/Time

Matrices: Soil/WaterCarrier name: FedEx

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☒	No ☐	Not Present ☐
Chain of custody present?	Yes ☒	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	COC IDs:None
Samplers name present on COC?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	
Temperature(s)/Thermometer(s):	1.0C U/C IR25		
Cooler(s)/Kit(s):	45528		
Date/Time sample(s) sent to storage:	6/1/2020 13:45		
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☐	N/A ☒
pH adjusted by:			

Login Notes: Terracore Labels Blank
IDs on Ziplock Bags

Client Contacted: _____ Date Contacted: _____ Person Contacted: _____

Contacted By: _____ Regarding: _____

Comments: _____

Corrective Action: _____



CUSTODY
Date: 6/11/2020 Time:
Name: Denise Athey
Company: CRESTON

SEAL
1300
Seal Broken By:
Date: 6/2/2010



CUSTODY SEAL
Date: 6/11/2020 Time: 1300
Name: Denise Athey
Company: CRESTON

Seal Broken By:
Date: 6/2/2010

ORIGIN ID:SGRA (405) 209-7204
KELLY A. MILLER
CRESTON ENVIRONMENT
2204 DIANA DR.

SHIP DATE: 22MAY20
ACTWT: 1.00 LB MAX
CAD: 300130/CAFE3211
DIMS: 26x14x14 IN

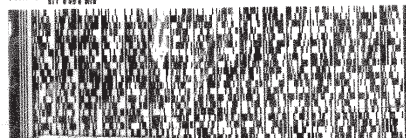
NORMAN, OK 73071
UNITED STATES US

TO **CLIENT SERVICES**
ALS LABORATORY GROUP
10450 STANCLIFF ROAD
SUITE 210
HOUSTON TX 77099

45528

(281) 530-5656
REF: CIMAREX -- SOIL -- BQ 71928 -- BF

RMA: 111111



FedEx
TRK# 1251 0297 5542
0221

TUE - 02 JUN 10:30A
PRIORITY OVERNIGHT

AB SGRA

77099
TX-US
IAH



FID 5119884 01JUN20 ROWA 568C1/C700/05A2

19.15.34.14 NMAC: CLOSURE AND SITE RECLAMATION REQUIREMENTS FOR RECYCLING CONTAINMENTS

Table I
Closure Criteria for Recycling Containments

Constituent	Method	Unit	Limit if Depth below bottom of containment to groundwater less than 10,000 mg/L TDS is <u>51 feet - 100 feet</u>	Limit if Depth below bottom of containment to groundwater less than 10,000 mg/L TDS is <u>> 100 feet</u>	JAMES 20-29 FED #37H RECYCLING FACILITY RF-06012020-700-03 5-Point Composite (Points 1-5) HS20060061
Chloride	EPA 300.0	mg/kg	10,000	20,000	1,100
TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	mg/kg	2,500	2,500	9.2
GRO+DRO	EPA SW-846 Method 8015M	mg/kg	1,000	1,000	3.7
BTEX	EPA SW-846 Method 8260B	mg/kg	50	50	<0.0063
Benzene	EPA SW-846 Method 8260B	mg/kg	10	10	<0.0063
Percent Moisture	SW3550	%	Not Required		2.69

Notes:

< : Analyte not detected at laboratory reporting limit.

J : Result is considered estimated

Concentrations which exceed the limits listed in Table I have been highlighted in yellow.

Please note that the division may require additional delineation upon review of the results and the operator must receive approval before proceeding with closure.



- 5-Pt Composite Sample
- Well Heads

JAMES 20-29 FED #37H RECYCLING FACILITY
COUNTY: LEA, NM



Project: JAMES 20-29 FED #37H RECYCLING FACILITY
Parcel ID: SAIC-000146 (Assigned by Creston)
RF-06012020-700-03
Area of Sampling Facing South (Pre-Sample)



2020. 6. 1 12:30

Project: JAMES 20-29 FED #37H RECYCLING FACILITY
Parcel ID: SAIC-000146 (Assigned by Creston)
RF-06012020-700-03
Area of Sampling Facing South (Post-Sample)



2020. 6. 1 12:48