

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: CIMARES ENERGY CO. (For multiple operators attach page with information) OGRID #: 215099
Address: 600 MARIENFELD, STE 600 MIDLAND TX 79701
Facility or well name (include API# if associated with a well): CABERA 34 FEDERAL 1H & 4H WELL PAD
OCD Permit Number: 2RF-150 (For new facilities the permit number will be assigned by the district office)
U/L or Qtr/Qtr NE/NE Section 34 Township 26S Range 27E County: EDDY
Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.
☒ **Recycling Facility:**
Location of recycling facility (if applicable): Latitude 32.002842 Longitude -104.170258 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: 08/14/2019

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): ASHLEY BERGEN Title: REGULATORY MANAGER
Signature: Ashley Bergen Date: 03/10/2022
e-mail address: ashley.bergen@coterra.com Telephone: 432-620-1974

5.
OCD Representative Signature: Victoria Venegas Approval/Registration Date: 03/10/2022
Title: Environmental Specialist OCD Permit Number: 2RF-150
☐ OCD Conditions _____
☐ Additional OCD Conditions on Attachment

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>	CABRERA 34 #1H & 4H RECYCLING FACILITY RF-07302019-707-01 5-Point Composite (Points 1-5) HS19071520	CABRERA 34 #1H & 4H RECYCLING FACILITY RF-07302019-707-02 5-Point Composite (Points 6-10) HS19071521
Chloride	EPA 300.0	mg/kg	10,000	20,000	9,360	5,440
TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	mg/kg	2,500	2,500	7.00	29
GRO+DRO	EPA SW-846 Method 8015M	mg/kg	1,000	1,000	2.3	11
BTEX	EPA SW-846 Method 8260B	mg/kg	50	50	<0.018	<0.0176
Benzene	EPA SW-846 Method 8260B	mg/kg	10	10	<0.0045	<0.0044

Notes:

< : Analyte not detected at laboratory reporting limit.

J : Result is considered estimated

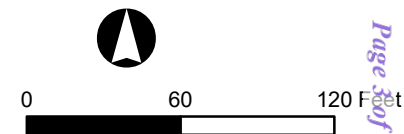
Concentrations which exceed the limits listed in Table I have been highlighted in yellow.

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
- ▭ Parcel Boundary
- ▭ Section Boundary

CABRERA 34 #1H & #4H RECYCLING FACILITY
COUNTY: EDDY, NM



Project/Well: CABRERA 34 FED #1H & 4H
RECYCLING FACILITY
Owner: BLM
Parcel: 4-161-156-263-106
RF-07302019-707-01 & -02 (Points 1-10)
Area facing W/SW, Pre-Sample



2019. 7. 30 9:20

Project/Well: CABRERA 34 FED #1H & 4H
RECYCLING FACILITY
Owner: BLM
Parcel: 4-161-156-263-106
RF-07302019-707-01 (points 1-5)
Area facing North, Pre-Sample



2019. 7.30 9:20

Project/Well: CABRERA 34 FED #1H & 4H
RECYCLING FACILITY
Owner: BLM
Parcel: 4-161-156-263-106
RF-07302019-707-02 (points 6-10)
Area facing W/SW, Pre-Sample



2019. 7. 30 9:21

Project/Well: CABRERA 34 FED #1H & 4H
RECYCLING FACILITY
Owner: BLM
Parcel: 4-161-156-263-106
RF-07302019-707-01 & -02 (Points 1-10)
Area facing SW, Post-Sample



2019. 7.30 10:05



10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
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August 09, 2019

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

RF-07302019-707-01
5-Point Composite
Points 1-5
Lat/Long of Point 1: (32.000309,-104.165375)

Work Order: **HS19071520**

Laboratory Results for: **Cimarex Cabrera 34 1H & 4H Recycling FAC.**

Dear Kelly,

ALS Environmental received 2 sample(s) on Jul 31, 2019 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: DAYNA.FISHER
Bernadette A. Fini
Project Manager

ALS Houston, US

Date: 09-ago-19

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
Work Order: HS19071520

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS19071520-01	RF-07302019-707-01	Soil		30-Jul-2019 09:33	31-Jul-2019 09:04	☐
HS19071520-02	Trip Blank	Water	CG 062119 -164	30-Jul-2019 00:01	31-Jul-2019 09:04	☐

ALS Houston, US

Date: 09-Aug-19

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
Work Order: HS19071520

CASE NARRATIVE

GC Semivolatiles by Method SW8015M**Batch ID: 143653****Sample ID: HS19071523-01MSD**

- MSD is for an unrelated sample

GC Volatiles by Method SW8015**Batch ID: R343445****Sample ID: RF-07302019-707-01 (HS19071520-01)**

- One or more surrogate recoveries were above the upper control limits. No target analytes were detected in the sample. The high surrogate recoveries did not impact the non-detect results for target analytes.

Sample ID: RF-07302019-707-01 (HS19071520-01MSD)

- The matrix spike duplicate recovery was outside of the control limit. However, the matrix spike recovery and the RPD between the MS and MSD was in control.

GCMS Volatiles by Method SW8260**Batch ID: R343454**

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

Batch ID: R343401**Sample ID: HS19071391-01MS**

- MS and MSD are for an unrelated sample

WetChemistry by Method SW3550**Batch ID: R343960**

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

WetChemistry by Method E300**Batch ID: 143781****Sample ID: HS19080154-01MS**

- MS and MSD are for an unrelated sample (Chloride)

Sample ID: RF-07302019-707-01 (HS19071520-01MS/MSD)

- The MS and/or MSD recovery was outside of the control limits; however, the result in the parent sample is greater than 4x the spike amount. (Chloride)

ALS Houston, US

Date: 09-Aug-19

Client: Creston Environmental LLC
 Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
 Sample ID: RF-07302019-707-01
 Collection Date: 30-Jul-2019 09:33

ANALYTICAL REPORT

WorkOrder:HS19071520
 Lab ID:HS19071520-01
 Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		Method:SW8260		Analyst: QX		
Benzene	ND		0.0045	mg/Kg-dry	1	31-Jul-2019 16:51
Ethylbenzene	ND		0.0045	mg/Kg-dry	1	31-Jul-2019 16:51
Toluene	ND		0.0045	mg/Kg-dry	1	31-Jul-2019 16:51
Xylenes, Total	ND		0.0045	mg/Kg-dry	1	31-Jul-2019 16:51
Surr: 1,2-Dichloroethane-d4	103		70-126	%REC	1	31-Jul-2019 16:51
Surr: 4-Bromofluorobenzene	99.3		70-130	%REC	1	31-Jul-2019 16:51
Surr: Dibromofluoromethane	97.8		70-130	%REC	1	31-Jul-2019 16:51
Surr: Toluene-d8	99.5		70-130	%REC	1	31-Jul-2019 16:51
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015		Analyst: QX		
Gasoline Range Organics	ND		0.047	mg/Kg-dry	1	31-Jul-2019 15:58
Surr: 4-Bromofluorobenzene	125	S	70-123	%REC	1	31-Jul-2019 15:58
TPH DRO/ORO BY SW8015C		Method:SW8015M		Prep:SW3541 / 01-Aug-2019 Analyst: PVL		
TPH (Diesel Range)	2.3		1.7	mg/Kg-dry	1	05-Aug-2019 14:55
TPH (Motor Oil Range)	4.7		3.4	mg/Kg-dry	1	05-Aug-2019 14:55
Surr: 2-Fluorobiphenyl	75.4		60-129	%REC	1	05-Aug-2019 14:55
ANIONS BY E300.0		Method:E300		Prep:E300 / 05-Aug-2019 Analyst: KMU		
Chloride	9,360		101	mg/Kg-dry	20	05-Aug-2019 23:07
MOISTURE		Method:SW3550		Analyst: DFF		
Percent Moisture	0.647		0.0100	wt%	1	08-Aug-2019 12:26

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

ALS Houston, US

Date: 09-Aug-19

Client: Creston Environmental LLC
 Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
 Sample ID: Trip Blank
 Collection Date: 30-Jul-2019 00:01

ANALYTICAL REPORT

WorkOrder:HS19071520
 Lab ID:HS19071520-02
 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	31-Jul-2019 15:34
Ethylbenzene	ND		0.0010	mg/L	1	31-Jul-2019 15:34
Toluene	ND		0.0010	mg/L	1	31-Jul-2019 15:34
Xylenes, Total	ND		0.0010	mg/L	1	31-Jul-2019 15:34
Surr: 1,2-Dichloroethane-d4	83.7		70-126	%REC	1	31-Jul-2019 15:34
Surr: 4-Bromofluorobenzene	93.9		81-113	%REC	1	31-Jul-2019 15:34
Surr: Dibromofluoromethane	99.4		77-123	%REC	1	31-Jul-2019 15:34
Surr: Toluene-d8	103		82-127	%REC	1	31-Jul-2019 15:34

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

ALS Houston, US

Date: 09-Aug-19

WEIGHT LOG

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
WorkOrder: HS19071520

Batch ID: 3224 **Method:** VOLATILES BY SW8260C

SamplID	Container	Sample Wt/Vol	Final Volume	Weight Factor	Container Type
HS19071520-01	1	5.57 (g)	5 (mL)	0.9	TerraCore (5035A)

Batch ID: 3225 **Method:** GASOLINE RANGE ORGANICS BY SW8015C **Prep:**

SamplID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS19071520-01	1	5.369 (g)	5 (mL)	0.93	TerraCore (5035A)

Batch ID: 143653 **Method:** TPH DRO/ORO BY SW8015C **Prep:** 8015SPR_LL

SamplID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS19071520-01	1	30.12	1 (mL)	0.0332	

Batch ID: 143781 **Method:** ANIONS BY E300.0 **Prep:** 300_S_PR

SamplID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS19071520-01	1	4.9817	50 (mL)	10.04	

ALS Houston, US

Date: 09-ago-19

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
WorkOrder: HS19071520

DATES REPORT

Sample ID	Client Samp ID	Collection Date	TCLP Date	Prep Date	Analysis Date	DF
Batch ID: 143653 (0)		Test Name : TPH DRO/ORO BY SW8015C			Matrix: Soil	
HS19071520-01	RF-07302019-707-01	30 Jul 2019 09:33		01 Aug 2019 10:00	05 Aug 2019 14:55	1
Batch ID: 143781 (0)		Test Name : ANIONS BY E300.0			Matrix: Soil	
HS19071520-01	RF-07302019-707-01	30 Jul 2019 09:33		05 Aug 2019 12:32	05 Aug 2019 23:07	20
Batch ID: R343401 (0)		Test Name : VOLATILES BY SW8260C			Matrix: Soil	
HS19071520-01	RF-07302019-707-01	30 Jul 2019 09:33			31 Jul 2019 16:51	1
Batch ID: R343445 (0)		Test Name : GASOLINE RANGE ORGANICS BY SW8015C			Matrix: Soil	
HS19071520-01	RF-07302019-707-01	30 Jul 2019 09:33			31 Jul 2019 15:58	1
Batch ID: R343454 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Water	
HS19071520-02	Trip Blank	30 Jul 2019 00:01			31 Jul 2019 15:34	1
Batch ID: R343960 (0)		Test Name : MOISTURE			Matrix: Soil	
HS19071520-01	RF-07302019-707-01	30 Jul 2019 09:33			08 Aug 2019 12:26	1

ALS Houston, US

Date: 09-Aug-19

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
WorkOrder: HS19071520

QC BATCH REPORT

Batch ID: 143653 (0)		Instrument: FID-7		Method: TPH DRO/ORO BY SW8015C					
MBLK	Sample ID: MBLK-143653	Units: mg/Kg		Analysis Date: 05-Aug-2019 12:04					
Client ID:	Run ID: FID-7_343737		SeqNo: 5197761		PrepDate: 01-Aug-2019		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	2.417	0.10	3.33	0	72.6	70 - 130			
LCS	Sample ID: LCS-143653	Units: mg/Kg		Analysis Date: 05-Aug-2019 12:53					
Client ID:	Run ID: FID-7_343737		SeqNo: 5197762		PrepDate: 01-Aug-2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
TPH (Diesel Range)	34.09	1.7	33.33	0	102	70 - 130			
TPH (Motor Oil Range)	27.24	3.4	33.33	0	81.7	70 - 130			
Surr: 2-Fluorobiphenyl	3.298	0.10	3.33	0	99.0	70 - 130			
MS	Sample ID: HS19071523-01MS	Units: mg/Kg		Analysis Date: 05-Aug-2019 14:06					
Client ID:	Run ID: FID-7_343737		SeqNo: 5197765		PrepDate: 01-Aug-2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
TPH (Diesel Range)	35.04	1.7	33.24	3.673	94.3	70 - 130			
TPH (Motor Oil Range)	44.75	3.4	33.24	20	74.5	70 - 130			
Surr: 2-Fluorobiphenyl	3.044	0.10	3.321	0	91.6	60 - 129			
MSD	Sample ID: HS19071523-01MSD	Units: mg/Kg		Analysis Date: 05-Aug-2019 14:30					
Client ID:	Run ID: FID-7_343737		SeqNo: 5197777		PrepDate: 01-Aug-2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
TPH (Diesel Range)	32.45	1.7	33.26	3.673	86.5	70 - 130	35.04	7.66	30
TPH (Motor Oil Range)	42.45	3.4	33.26	20	67.5	70 - 130	44.75	5.3	30
Surr: 2-Fluorobiphenyl	2.837	0.10	3.323	0	85.4	60 - 129	3.044	7.02	30

The following samples were analyzed in this batch: HS19071520-01

ALS Houston, US

Date: 09-Aug-19

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
WorkOrder: HS19071520

QC BATCH REPORT

Batch ID: R343445 (0)		Instrument: FID-14		Method: GASOLINE RANGE ORGANICS BY SW8015C					
MBLK	Sample ID: MBLK-190729	Units: mg/Kg		Analysis Date: 31-Jul-2019 15:34					
Client ID:	Run ID: FID-14_343445	SeqNo: 5190252		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 0.1161 0.0050 0.1 0 116 75 - 121

LCS	Sample ID: LCS-190729	Units: mg/Kg		Analysis Date: 31-Jul-2019 15:02					
Client ID:	Run ID: FID-14_343445	SeqNo: 5190250		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 0.9572 0.050 1 0 95.7 72 - 121

Surr: 4-Bromofluorobenzene 0.104 0.0050 0.1 0 104 75 - 121

LCSD	Sample ID: LCSD-190729	Units: mg/Kg		Analysis Date: 31-Jul-2019 15:18					
Client ID:	Run ID: FID-14_343445	SeqNo: 5190251		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 0.9328 0.050 1 0 93.3 70 - 121 0.9572 2.58 30

Surr: 4-Bromofluorobenzene 0.09971 0.0050 0.1 0 99.7 75 - 121 0.104 4.19 30

MS	Sample ID: HS19071520-01MS	Units: mg/Kg		Analysis Date: 31-Jul-2019 17:02					
Client ID: RF-07302019-707-01	Run ID: FID-14_343445	SeqNo: 5190286		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 0.7973 0.050 1.01 0 78.9 70 - 130

Surr: 4-Bromofluorobenzene 0.09408 0.0050 0.101 0 93.1 70 - 123

MSD	Sample ID: HS19071520-01MSD	Units: mg/Kg		Analysis Date: 31-Jul-2019 17:18					
Client ID: RF-07302019-707-01	Run ID: FID-14_343445	SeqNo: 5190287		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 0.6986 0.050 1.01 0 69.2 70 - 130 0.7973 13.2 30 S

Surr: 4-Bromofluorobenzene 0.07824 0.0050 0.101 0 77.5 70 - 123 0.09408 18.4 30

The following samples were analyzed in this batch: HS19071520-01

ALS Houston, US

Date: 09-Aug-19

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
WorkOrder: HS19071520

QC BATCH REPORT

Batch ID: R343401 (0)		Instrument: VOA5		Method: VOLATILES BY SW8260C					
MBLK	Sample ID: VBLKS1-190731	Units: ug/Kg		Analysis Date: 31-Jul-2019 13:29					
Client ID:	Run ID: VOA5_343401	SeqNo: 5189203		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	49.48	0	50	0	99.0	76 - 125			
Surr: 4-Bromofluorobenzene	49.84	0	50	0	99.7	80 - 120			
Surr: Dibromofluoromethane	48.23	0	50	0	96.5	80 - 119			
Surr: Toluene-d8	50.49	0	50	0	101	81 - 118			

LCS	Sample ID: VLCSS1-190731	Units: ug/Kg		Analysis Date: 31-Jul-2019 12:39					
Client ID:	Run ID: VOA5_343401	SeqNo: 5189202		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	55.44	5.0	50	0	111	75 - 124			
Ethylbenzene	52.16	5.0	50	0	104	70 - 123			
Toluene	56.09	5.0	50	0	112	76 - 122			
Xylenes, Total	161.3	5.0	150	0	108	77 - 128			
Surr: 1,2-Dichloroethane-d4	49.71	0	50	0	99.4	76 - 125			
Surr: 4-Bromofluorobenzene	49.44	0	50	0	98.9	80 - 120			
Surr: Dibromofluoromethane	51.49	0	50	0	103	80 - 119			
Surr: Toluene-d8	50.84	0	50	0	102	81 - 118			

MS	Sample ID: HS19071391-01MS	Units: ug/Kg		Analysis Date: 31-Jul-2019 14:21					
Client ID:	Run ID: VOA5_343401	SeqNo: 5189205		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	37.32	5.0	50	0	74.6	70 - 130			
Ethylbenzene	33.65	5.0	50	0	67.3	70 - 130			S
Toluene	35.7	5.0	50	0	71.4	70 - 130			
Xylenes, Total	105.4	5.0	150	0	70.3	70 - 130			
Surr: 1,2-Dichloroethane-d4	49.95	0	50	0	99.9	70 - 126			
Surr: 4-Bromofluorobenzene	48.82	0	50	0	97.6	70 - 130			
Surr: Dibromofluoromethane	50.41	0	50	0	101	70 - 130			
Surr: Toluene-d8	49.55	0	50	0	99.1	70 - 130			

ALS Houston, US

Date: 09-Aug-19

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
WorkOrder: HS19071520

QC BATCH REPORT

Batch ID: R343401 (0)		Instrument: VOA5		Method: VOLATILES BY SW8260C					
MSD		Sample ID: HS19071391-01MSD		Units: ug/Kg		Analysis Date: 31-Jul-2019 14:46			
Client ID:		Run ID: VOA5_343401		SeqNo: 5189206		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	42	5.0	49.5	0	84.8	70 - 130	47.05	11.3	30
Ethylbenzene	41.84	5.0	49.5	0	84.5	70 - 130	46.79	11.2	30
Toluene	42.03	5.0	49.5	0	84.9	70 - 130	48.04	13.3	30
Xylenes, Total	127.1	5.0	148.5	0	85.6	70 - 130	143.2	11.9	30
Surr: 1,2-Dichloroethane-d4	49.74	0	49.5	0	100	70 - 126	49.39	0.708	30
Surr: 4-Bromofluorobenzene	49.11	0	49.5	0	99.2	70 - 130	50.34	2.47	30
Surr: Dibromofluoromethane	50.1	0	49.5	0	101	70 - 130	50.16	0.128	30
Surr: Toluene-d8	49.55	0	49.5	0	100	70 - 130	50.32	1.54	30

The following samples were analyzed in this batch: HS19071520-01

ALS Houston, US

Date: 09-Aug-19

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
WorkOrder: HS19071520

QC BATCH REPORT

Batch ID: R343454 (0)		Instrument: VOA2		Method: LOW LEVEL VOLATILES BY SW8260C					
MBLK	Sample ID: VBLKW-190731	Units: ug/L		Analysis Date: 31-Jul-2019 12:13					
Client ID:	Run ID: VOA2_343454	SeqNo: 5190489		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	46.13	1.0	50	0	92.3	70 - 123			
Surr: 4-Bromofluorobenzene	44.98	1.0	50	0	90.0	82 - 115			
Surr: Dibromofluoromethane	50.59	1.0	50	0	101	73 - 126			
Surr: Toluene-d8	52.18	1.0	50	0	104	81 - 120			

LCS	Sample ID: VLCSW-190731	Units: ug/L		Analysis Date: 31-Jul-2019 11:49					
Client ID:	Run ID: VOA2_343454	SeqNo: 5190488		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	19.67	1.0	20	0	98.3	74 - 120			
Ethylbenzene	19.4	1.0	20	0	97.0	77 - 117			
Toluene	22.52	1.0	20	0	113	77 - 118			
Xylenes, Total	61.39	1.0	60	0	102	75 - 122			
Surr: 1,2-Dichloroethane-d4	43.62	1.0	50	0	87.2	70 - 130			
Surr: 4-Bromofluorobenzene	46.76	1.0	50	0	93.5	82 - 115			
Surr: Dibromofluoromethane	47.22	1.0	50	0	94.4	73 - 126			
Surr: Toluene-d8	50.82	1.0	50	0	102	81 - 120			

MS	Sample ID: HS19071488-01MS	Units: ug/L		Analysis Date: 31-Jul-2019 16:04					
Client ID:	Run ID: VOA2_343454	SeqNo: 5190497		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	16.91	1.0	20	0	84.5	70 - 127			
Ethylbenzene	17.01	1.0	20	0	85.0	70 - 124			
Toluene	18.47	1.0	20	0	92.3	70 - 123			
Xylenes, Total	54.17	1.0	60	0	90.3	70 - 130			
Surr: 1,2-Dichloroethane-d4	44	1.0	50	0	88.0	70 - 126			
Surr: 4-Bromofluorobenzene	48.53	1.0	50	0	97.1	81 - 113			
Surr: Dibromofluoromethane	48.45	1.0	50	0	96.9	77 - 123			
Surr: Toluene-d8	49.4	1.0	50	0	98.8	82 - 127			

ALS Houston, US

Date: 09-Aug-19

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
WorkOrder: HS19071520

QC BATCH REPORT

Batch ID: R343454 (0)		Instrument: VOA2		Method: LOW LEVEL VOLATILES BY SW8260C					
MSD		Sample ID: HS19071488-01MSD		Units: ug/L		Analysis Date: 31-Jul-2019 16:28			
Client ID:		Run ID: VOA2_343454		SeqNo: 5190498		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	16.7	1.0	20	0	83.5	70 - 127	16.91	1.25	20
Ethylbenzene	16.69	1.0	20	0	83.4	70 - 124	17.01	1.89	20
Toluene	18.05	1.0	20	0	90.2	70 - 123	18.47	2.32	20
Xylenes, Total	54.16	1.0	60	0	90.3	70 - 130	54.17	0.00554	20
Surr: 1,2-Dichloroethane-d4	43.85	1.0	50	0	87.7	70 - 126	44	0.33	20
Surr: 4-Bromofluorobenzene	47.92	1.0	50	0	95.8	81 - 113	48.53	1.26	20
Surr: Dibromofluoromethane	48.02	1.0	50	0	96.0	77 - 123	48.45	0.891	20
Surr: Toluene-d8	48.94	1.0	50	0	97.9	82 - 127	49.4	0.934	20

The following samples were analyzed in this batch: HS19071520-02

ALS Houston, US

Date: 09-Aug-19

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
WorkOrder: HS19071520

QC BATCH REPORT

Batch ID: 143781 (0)		Instrument: ICS-Integrion		Method: ANIONS BY E300.0					
MBLK	Sample ID: MBLK-143781	Units: mg/Kg		Analysis Date: 05-Aug-2019 22:14					
Client ID:	Run ID: ICS-Integrion_343738		SeqNo: 5197727		PrepDate: 05-Aug-2019		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-143781	Units: mg/Kg		Analysis Date: 05-Aug-2019 22:31					
Client ID:	Run ID: ICS-Integrion_343738		SeqNo: 5197728		PrepDate: 05-Aug-2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Chloride	195.6	5.00	200	0	97.8	90 - 110			
LCSD	Sample ID: LCSD-143781	Units: mg/Kg		Analysis Date: 05-Aug-2019 22:49					
Client ID:	Run ID: ICS-Integrion_343738		SeqNo: 5197729		PrepDate: 05-Aug-2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Chloride	191.9	5.00	200	0	96.0	90 - 110	195.6	1.89	20
MS	Sample ID: HS19080154-01MS	Units: mg/Kg		Analysis Date: 06-Aug-2019 05:16					
Client ID:	Run ID: ICS-Integrion_343738		SeqNo: 5197751		PrepDate: 05-Aug-2019		DF: 10		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Chloride	2612	49.4	98.84	2080	538	75 - 125			SO
MS	Sample ID: HS19071520-01MS	Units: mg/Kg		Analysis Date: 05-Aug-2019 23:24					
Client ID: RF-07302019-707-01	Run ID: ICS-Integrion_343738		SeqNo: 5197731		PrepDate: 05-Aug-2019		DF: 20		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Chloride	8210	100	100.2	9302	-1090	75 - 125			SO
MSD	Sample ID: HS19080154-01MSD	Units: mg/Kg		Analysis Date: 06-Aug-2019 05:34					
Client ID:	Run ID: ICS-Integrion_343738		SeqNo: 5197752		PrepDate: 05-Aug-2019		DF: 10		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Chloride	2657	50.2	100.3	2080	575	75 - 125	2612	1.71	20 SO

ALS Houston, US

Date: 09-Aug-19

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
WorkOrder: HS19071520

QC BATCH REPORT

Batch ID: 143781 (0)		Instrument: ICS-Integrion		Method: ANIONS BY E300.0						
MSD		Sample ID: HS19071520-01MSD		Units: mg/Kg		Analysis Date: 05-Aug-2019 23:42				
Client ID: RF-07302019-707-01		Run ID: ICS-Integrion_343738		SeqNo: 5197732		PrepDate: 05-Aug-2019		DF: 20		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	8234	100	100.2	9302	-1070	75 - 125	8210	0.295	20	SO

The following samples were analyzed in this batch: HS19071520-01

ALS Houston, US

Date: 09-Aug-19

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
WorkOrder: HS19071520

QC BATCH REPORT

Batch ID: R343960 (0)		Instrument: Balance1		Method: MOISTURE					
DUP	Sample ID: HS19080136-02DUP	Units: wt%		Analysis Date: 08-Aug-2019 12:26					
Client ID:	Run ID: Balance1_343960		SeqNo: 5202985		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Percent Moisture	14	0.0100					15	6.9	20
The following samples were analyzed in this batch:									
HS19071520-01									

ALS Houston, US

Date: 09-Aug-19

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
WorkOrder: HS19071520

**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%	

ALS Houston, US

Date: 09-Aug-19

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	19-028-0	27-Mar-2020
California	2919, 2019-2020	30-Apr-2020
Dept of Defense	ANAB L2231	20-Dec-2021
Kentucky	123043, 2019-2020	30-Apr-2020
Louisiana	03087, 2019-2020	30-Jun-2020
Maryland	343, 2019-2020	30-Jun-2020
North Carolina	624-2019	31-Dec-2019
Oklahoma	2018-156	31-Aug-2019
Texas	TX104704231-19-23	30-Apr-2020

ALS Houston, US

Date: 09-ago-19

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
Work Order: HS19071520

SAMPLE TRACKING

Lab Samp ID	Client Sample ID	Action	Date	Person	New Location
HS19071520-01	RF-07302019-707-01	Login	31/07/2019 11:34:37	JRM	VOA081
HS19071520-01	RF-07302019-707-01	Login	31/07/2019 11:34:37	JRM	Disposed
HS19071520-01	RF-07302019-707-01	Login	31/07/2019 11:34:37	JRM	Disposed
HS19071520-01	RF-07302019-707-01	Login	31/07/2019 11:34:37	JRM	Disposed
HS19071520-02	Trip Blank	Login	31/07/2019 11:34:37	JRM	Disposed

ALS Houston, US

Date: 09-Aug-19

Sample Receipt Checklist

Client Name: Creston Environmental LLC Norman OK
 Work Order: HS19071520

Date/Time Received: **31-Jul-2019 09:04**
 Received by: **PMG**

Checklist completed by: Jared R. Makan 31-Jul-2019
 eSignature Date

Reviewed by: Bernadette A. Fini 31-Jul-2019
 eSignature Date

Matrices: **Soil, Trip Blank**

Carrier name: **FedEx Priority Overnight**

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:N/A
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):	0.4c/0.4c UC/C IR25		
Cooler(s)/Kit(s):	45201		
Date/Time sample(s) sent to storage:	07/31/2019 11:40		
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:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:

[illegible]

 ALS 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887	CUSTODY SEAL		Seal Broken By: <i>SM</i>
	Date: <i>7/30/19</i> Time: <i>1430</i>	Date: <i>07/31/19</i>	
	Name: <i>Kelly Miller</i> Company: <i>Creston</i>		

45201

JUL 31 2019

 ALS 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887	CUSTODY SEAL		Seal Broken By: <i>SM</i>
	Date: <i>7/30/19</i> Time: <i>1430</i>	Date: <i>07/31/19</i>	
	Name: <i>Kelly Miller</i> Company: <i>Creston</i>		

Must Deliver Next Business Day
 Time and Temperature Sensitive!



45201

ORIGIN ID: SGRA (405) 209-7204
 GUESTS-KELLY MILLER/SHAYNE RELMOND
 STEVENS INN
 1829 S. CANAL ST.

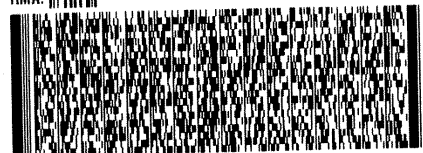
CARLSBAD, NM 88220
 UNITED STATES US

SHIP DATE: 24 JUL 19
 ACTWGT: 1.00 LB MAN
 CAD: 300130/CAFE3211
 DIMS: 19x16x13 IN

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

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

RMA: 111111



FedEx Express



FedEx

TRK# 4809 7836 1684
 0221

WED - 31 JUL 10:30A
 PRIORITY OVERNIGHT

AB SGRA

77099
 TX-US
 IAH



FID 5119884 30JUL19 ROWA 568C2/F551/OCBA



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

August 09, 2019

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

RF-07302019-707-02
5-Point Composite
Points 6-10
Lat/Long of Point 6: (32.000244, -104.165354)

Work Order: **HS19071521**

Laboratory Results for: **Cimarex Cabrera 34 1H & 4H Recycling FAC.**

Dear Kelly,

ALS Environmental received 2 sample(s) on Jul 31, 2019 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: DAYNA.FISHER
Bernadette A. Fini
Project Manager

ALS Houston, US

Date: 09-ago-19

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
Work Order: HS19071521

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS19071521-01	RF-07302019-707-02	Soil		30-Jul-2019 09:56	31-Jul-2019 09:04	☐
HS19071521-02	Trip Blank	Water	CG 062119 -165	30-Jul-2019 00:01	31-Jul-2019 09:04	☐

ALS Houston, US

Date: 09-Aug-19

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
Work Order: HS19071521

CASE NARRATIVE

GC Semivolatiles by Method SW8015M**Batch ID: 143653****Sample ID: HS19071523-01MSD**

- MSD is for an unrelated sample

GC Volatiles by Method SW8015**Batch ID: R343445****Sample ID: HS19071520-01MSD**

- MSD is for an unrelated sample

Sample ID: RF-07302019-707-02 (HS19071521-01)

- One or more surrogate recoveries were above the upper control limits. No target analytes were detected in the sample. The high surrogate recoveries did not impact the non-detect results for target analytes.

GCMS Volatiles by Method SW8260**Batch ID: R343454**

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

Batch ID: R343401**Sample ID: HS19071391-01MS**

- MS and MSD are for an unrelated sample

WetChemistry by Method SW3550**Batch ID: R343960**

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

WetChemistry by Method E300**Batch ID: 143781****Sample ID: HS19071520-01MS, HS19080154-01MS**

- MS and MSD are for an unrelated sample (Chloride)

ALS Houston, US

Date: 09-Aug-19

Client: Creston Environmental LLC
 Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
 Sample ID: RF-07302019-707-02
 Collection Date: 30-Jul-2019 09:56

ANALYTICAL REPORT

WorkOrder:HS19071521
 Lab ID:HS19071521-01
 Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		Method:SW8260		Analyst: QX		
Benzene	ND		0.0044	mg/Kg-dry	1	31-Jul-2019 17:16
Ethylbenzene	ND		0.0044	mg/Kg-dry	1	31-Jul-2019 17:16
Toluene	ND		0.0044	mg/Kg-dry	1	31-Jul-2019 17:16
Xylenes, Total	ND		0.0044	mg/Kg-dry	1	31-Jul-2019 17:16
Surr: 1,2-Dichloroethane-d4	103		70-126	%REC	1	31-Jul-2019 17:16
Surr: 4-Bromofluorobenzene	101		70-130	%REC	1	31-Jul-2019 17:16
Surr: Dibromofluoromethane	97.0		70-130	%REC	1	31-Jul-2019 17:16
Surr: Toluene-d8	101		70-130	%REC	1	31-Jul-2019 17:16
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015		Analyst: QX		
Gasoline Range Organics	ND		0.050	mg/Kg-dry	1	31-Jul-2019 16:15
Surr: 4-Bromofluorobenzene	127	S	70-123	%REC	1	31-Jul-2019 16:15
TPH DRO/ORO BY SW8015C		Method:SW8015M		Prep:SW3541 / 01-Aug-2019 Analyst: PVL		
TPH (Diesel Range)	11		1.8	mg/Kg-dry	1	05-Aug-2019 15:19
TPH (Motor Oil Range)	18		3.6	mg/Kg-dry	1	05-Aug-2019 15:19
Surr: 2-Fluorobiphenyl	73.9		60-129	%REC	1	05-Aug-2019 15:19
ANIONS BY E300.0		Method:E300		Prep:E300 / 05-Aug-2019 Analyst: KMU		
Chloride	5,440		108	mg/Kg-dry	20	05-Aug-2019 23:59
MOISTURE		Method:SW3550		Analyst: DFF		
Percent Moisture	6.00		0.0100	wt%	1	08-Aug-2019 12:26

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

ALS Houston, US

Date: 09-Aug-19

Client: Creston Environmental LLC
 Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
 Sample ID: Trip Blank
 Collection Date: 30-Jul-2019 00:01

ANALYTICAL REPORT

WorkOrder:HS19071521
 Lab ID:HS19071521-02
 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	31-Jul-2019 16:53
Ethylbenzene	ND		0.0010	mg/L	1	31-Jul-2019 16:53
Toluene	ND		0.0010	mg/L	1	31-Jul-2019 16:53
Xylenes, Total	ND		0.0010	mg/L	1	31-Jul-2019 16:53
Surr: 1,2-Dichloroethane-d4	86.0		70-126	%REC	1	31-Jul-2019 16:53
Surr: 4-Bromofluorobenzene	94.3		81-113	%REC	1	31-Jul-2019 16:53
Surr: Dibromofluoromethane	99.7		77-123	%REC	1	31-Jul-2019 16:53
Surr: Toluene-d8	101		82-127	%REC	1	31-Jul-2019 16:53

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

ALS Houston, US

Date: 09-Aug-19

WEIGHT LOG

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
WorkOrder: HS19071521

Batch ID: 3224 **Method:** VOLATILES BY SW8260C

SamplID	Container	Sample Wt/Vol	Final Volume	Weight Factor	Container Type
HS19071521-01	1	6.049 (g)	5 (mL)	0.83	TerraCore (5035A)

Batch ID: 3225 **Method:** GASOLINE RANGE ORGANICS BY SW8015C **Prep:**

SamplID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS19071521-01	1	5.305 (g)	5 (mL)	0.94	TerraCore (5035A)

Batch ID: 143653 **Method:** TPH DRO/ORO BY SW8015C **Prep:** 8015SPR_LL

SamplID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS19071521-01	1	30.09	1 (mL)	0.03323	

Batch ID: 143781 **Method:** ANIONS BY E300.0 **Prep:** 300_S_PR

SamplID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS19071521-01	1	4.9129	50 (mL)	10.18	

ALS Houston, US

Date: 09-ago-19

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
WorkOrder: HS19071521

DATES REPORT

Sample ID	Client Samp ID	Collection Date	TCLP Date	Prep Date	Analysis Date	DF
Batch ID: 143653 (0)		Test Name : TPH DRO/ORO BY SW8015C			Matrix: Soil	
HS19071521-01	RF-07302019-707-02	30 Jul 2019 09:56		01 Aug 2019 10:00	05 Aug 2019 15:19	1
Batch ID: 143781 (0)		Test Name : ANIONS BY E300.0			Matrix: Soil	
HS19071521-01	RF-07302019-707-02	30 Jul 2019 09:56		05 Aug 2019 12:32	05 Aug 2019 23:59	20
Batch ID: R343401 (0)		Test Name : VOLATILES BY SW8260C			Matrix: Soil	
HS19071521-01	RF-07302019-707-02	30 Jul 2019 09:56			31 Jul 2019 17:16	1
Batch ID: R343445 (0)		Test Name : GASOLINE RANGE ORGANICS BY SW8015C			Matrix: Soil	
HS19071521-01	RF-07302019-707-02	30 Jul 2019 09:56			31 Jul 2019 16:15	1
Batch ID: R343454 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Water	
HS19071521-02	Trip Blank	30 Jul 2019 00:01			31 Jul 2019 16:53	1
Batch ID: R343960 (0)		Test Name : MOISTURE			Matrix: Soil	
HS19071521-01	RF-07302019-707-02	30 Jul 2019 09:56			08 Aug 2019 12:26	1

ALS Houston, US

Date: 09-Aug-19

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
WorkOrder: HS19071521

QC BATCH REPORT

Batch ID: 143653 (0)		Instrument: FID-7		Method: TPH DRO/ORO BY SW8015C					
MBLK	Sample ID: MBLK-143653	Units: mg/Kg		Analysis Date: 05-Aug-2019 12:04					
Client ID:	Run ID: FID-7_343737		SeqNo: 5197761		PrepDate: 01-Aug-2019		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	2.417	0.10	3.33	0	72.6	70 - 130			
LCS	Sample ID: LCS-143653	Units: mg/Kg		Analysis Date: 05-Aug-2019 12:53					
Client ID:	Run ID: FID-7_343737		SeqNo: 5197762		PrepDate: 01-Aug-2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
TPH (Diesel Range)	34.09	1.7	33.33	0	102	70 - 130			
TPH (Motor Oil Range)	27.24	3.4	33.33	0	81.7	70 - 130			
Surr: 2-Fluorobiphenyl	3.298	0.10	3.33	0	99.0	70 - 130			
MS	Sample ID: HS19071523-01MS	Units: mg/Kg		Analysis Date: 05-Aug-2019 14:06					
Client ID:	Run ID: FID-7_343737		SeqNo: 5197765		PrepDate: 01-Aug-2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
TPH (Diesel Range)	35.04	1.7	33.24	3.673	94.3	70 - 130			
TPH (Motor Oil Range)	44.75	3.4	33.24	20	74.5	70 - 130			
Surr: 2-Fluorobiphenyl	3.044	0.10	3.321	0	91.6	60 - 129			
MSD	Sample ID: HS19071523-01MSD	Units: mg/Kg		Analysis Date: 05-Aug-2019 14:30					
Client ID:	Run ID: FID-7_343737		SeqNo: 5197777		PrepDate: 01-Aug-2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
TPH (Diesel Range)	32.45	1.7	33.26	3.673	86.5	70 - 130	35.04	7.66	30
TPH (Motor Oil Range)	42.45	3.4	33.26	20	67.5	70 - 130	44.75	5.3	30
Surr: 2-Fluorobiphenyl	2.837	0.10	3.323	0	85.4	60 - 129	3.044	7.02	30

The following samples were analyzed in this batch: HS19071521-01

ALS Houston, US

Date: 09-Aug-19

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
WorkOrder: HS19071521

QC BATCH REPORT

Batch ID: R343445 (0)		Instrument: FID-14		Method: GASOLINE RANGE ORGANICS BY SW8015C					
MBLK	Sample ID: MBLK-190729	Units: mg/Kg		Analysis Date: 31-Jul-2019 15:34					
Client ID:	Run ID: FID-14_343445	SeqNo: 5190252		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 0.1161 0.0050 0.1 0 116 75 - 121

LCS	Sample ID: LCS-190729	Units: mg/Kg		Analysis Date: 31-Jul-2019 15:02					
Client ID:	Run ID: FID-14_343445	SeqNo: 5190250		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 0.9572 0.050 1 0 95.7 72 - 121

Surr: 4-Bromofluorobenzene 0.104 0.0050 0.1 0 104 75 - 121

LCSD	Sample ID: LCSD-190729	Units: mg/Kg		Analysis Date: 31-Jul-2019 15:18					
Client ID:	Run ID: FID-14_343445	SeqNo: 5190251		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 0.9328 0.050 1 0 93.3 70 - 121 0.9572 2.58 30

Surr: 4-Bromofluorobenzene 0.09971 0.0050 0.1 0 99.7 75 - 121 0.104 4.19 30

MS	Sample ID: HS19071520-01MS	Units: mg/Kg		Analysis Date: 31-Jul-2019 17:02					
Client ID:	Run ID: FID-14_343445	SeqNo: 5190286		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 0.7973 0.050 1.01 0 78.9 70 - 130

Surr: 4-Bromofluorobenzene 0.09408 0.0050 0.101 0 93.1 70 - 123

MSD	Sample ID: HS19071520-01MSD	Units: mg/Kg		Analysis Date: 31-Jul-2019 17:18					
Client ID:	Run ID: FID-14_343445	SeqNo: 5190287		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 0.6986 0.050 1.01 0 69.2 70 - 130 0.7973 13.2 30 S

Surr: 4-Bromofluorobenzene 0.07824 0.0050 0.101 0 77.5 70 - 123 0.09408 18.4 30

The following samples were analyzed in this batch: HS19071521-01

ALS Houston, US

Date: 09-Aug-19

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
WorkOrder: HS19071521

QC BATCH REPORT

Batch ID: R343401 (0)		Instrument: VOA5		Method: VOLATILES BY SW8260C					
MBLK	Sample ID: VBLKS1-190731	Units: ug/Kg		Analysis Date: 31-Jul-2019 13:29					
Client ID:	Run ID: VOA5_343401	SeqNo: 5189203		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	49.48	0	50	0	99.0	76 - 125			
Surr: 4-Bromofluorobenzene	49.84	0	50	0	99.7	80 - 120			
Surr: Dibromofluoromethane	48.23	0	50	0	96.5	80 - 119			
Surr: Toluene-d8	50.49	0	50	0	101	81 - 118			

LCS	Sample ID: VLCSS1-190731	Units: ug/Kg		Analysis Date: 31-Jul-2019 12:39					
Client ID:	Run ID: VOA5_343401	SeqNo: 5189202		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	55.44	5.0	50	0	111	75 - 124			
Ethylbenzene	52.16	5.0	50	0	104	70 - 123			
Toluene	56.09	5.0	50	0	112	76 - 122			
Xylenes, Total	161.3	5.0	150	0	108	77 - 128			
Surr: 1,2-Dichloroethane-d4	49.71	0	50	0	99.4	76 - 125			
Surr: 4-Bromofluorobenzene	49.44	0	50	0	98.9	80 - 120			
Surr: Dibromofluoromethane	51.49	0	50	0	103	80 - 119			
Surr: Toluene-d8	50.84	0	50	0	102	81 - 118			

MS	Sample ID: HS19071391-01MS	Units: ug/Kg		Analysis Date: 31-Jul-2019 14:21					
Client ID:	Run ID: VOA5_343401	SeqNo: 5189205		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	37.32	5.0	50	0	74.6	70 - 130			
Ethylbenzene	33.65	5.0	50	0	67.3	70 - 130			S
Toluene	35.7	5.0	50	0	71.4	70 - 130			
Xylenes, Total	105.4	5.0	150	0	70.3	70 - 130			
Surr: 1,2-Dichloroethane-d4	49.95	0	50	0	99.9	70 - 126			
Surr: 4-Bromofluorobenzene	48.82	0	50	0	97.6	70 - 130			
Surr: Dibromofluoromethane	50.41	0	50	0	101	70 - 130			
Surr: Toluene-d8	49.55	0	50	0	99.1	70 - 130			

ALS Houston, US

Date: 09-Aug-19

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
WorkOrder: HS19071521

QC BATCH REPORT

Batch ID: R343401 (0)		Instrument: VOA5		Method: VOLATILES BY SW8260C					
MSD		Sample ID: HS19071391-01MSD		Units: ug/Kg		Analysis Date: 31-Jul-2019 14:46			
Client ID:		Run ID: VOA5_343401		SeqNo: 5189206		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	42	5.0	49.5	0	84.8	70 - 130	47.05	11.3	30
Ethylbenzene	41.84	5.0	49.5	0	84.5	70 - 130	46.79	11.2	30
Toluene	42.03	5.0	49.5	0	84.9	70 - 130	48.04	13.3	30
Xylenes, Total	127.1	5.0	148.5	0	85.6	70 - 130	143.2	11.9	30
Surr: 1,2-Dichloroethane-d4	49.74	0	49.5	0	100	70 - 126	49.39	0.708	30
Surr: 4-Bromofluorobenzene	49.11	0	49.5	0	99.2	70 - 130	50.34	2.47	30
Surr: Dibromofluoromethane	50.1	0	49.5	0	101	70 - 130	50.16	0.128	30
Surr: Toluene-d8	49.55	0	49.5	0	100	70 - 130	50.32	1.54	30

The following samples were analyzed in this batch: HS19071521-01

ALS Houston, US

Date: 09-Aug-19

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
WorkOrder: HS19071521

QC BATCH REPORT

Batch ID: R343454 (0)		Instrument: VOA2		Method: LOW LEVEL VOLATILES BY SW8260C						
MBLK	Sample ID: VBLKW-190731	Units: ug/L		Analysis Date: 31-Jul-2019 12:13						
Client ID:	Run ID: VOA2_343454	SeqNo: 5190489		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	46.13	1.0	50	0	92.3	70 - 123				
Surr: 4-Bromofluorobenzene	44.98	1.0	50	0	90.0	82 - 115				
Surr: Dibromofluoromethane	50.59	1.0	50	0	101	73 - 126				
Surr: Toluene-d8	52.18	1.0	50	0	104	81 - 120				

LCS	Sample ID: VLCSW-190731	Units: ug/L		Analysis Date: 31-Jul-2019 11:49						
Client ID:	Run ID: VOA2_343454	SeqNo: 5190488		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	19.67	1.0	20	0	98.3	74 - 120				
Ethylbenzene	19.4	1.0	20	0	97.0	77 - 117				
Toluene	22.52	1.0	20	0	113	77 - 118				
Xylenes, Total	61.39	1.0	60	0	102	75 - 122				
Surr: 1,2-Dichloroethane-d4	43.62	1.0	50	0	87.2	70 - 130				
Surr: 4-Bromofluorobenzene	46.76	1.0	50	0	93.5	82 - 115				
Surr: Dibromofluoromethane	47.22	1.0	50	0	94.4	73 - 126				
Surr: Toluene-d8	50.82	1.0	50	0	102	81 - 120				

MS	Sample ID: HS19071488-01MS	Units: ug/L		Analysis Date: 31-Jul-2019 16:04						
Client ID:	Run ID: VOA2_343454	SeqNo: 5190497		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	16.91	1.0	20	0	84.5	70 - 127				
Ethylbenzene	17.01	1.0	20	0	85.0	70 - 124				
Toluene	18.47	1.0	20	0	92.3	70 - 123				
Xylenes, Total	54.17	1.0	60	0	90.3	70 - 130				
Surr: 1,2-Dichloroethane-d4	44	1.0	50	0	88.0	70 - 126				
Surr: 4-Bromofluorobenzene	48.53	1.0	50	0	97.1	81 - 113				
Surr: Dibromofluoromethane	48.45	1.0	50	0	96.9	77 - 123				
Surr: Toluene-d8	49.4	1.0	50	0	98.8	82 - 127				

ALS Houston, US

Date: 09-Aug-19

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
WorkOrder: HS19071521

QC BATCH REPORT

Batch ID: R343454 (0)		Instrument: VOA2		Method: LOW LEVEL VOLATILES BY SW8260C						
MSD		Sample ID: HS19071488-01MSD		Units: ug/L		Analysis Date: 31-Jul-2019 16:28				
Client ID:		Run ID: VOA2_343454		SeqNo: 5190498		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	16.7	1.0	20	0	83.5	70 - 127	16.91	1.25	20	
Ethylbenzene	16.69	1.0	20	0	83.4	70 - 124	17.01	1.89	20	
Toluene	18.05	1.0	20	0	90.2	70 - 123	18.47	2.32	20	
Xylenes, Total	54.16	1.0	60	0	90.3	70 - 130	54.17	0.00554	20	
Surr: 1,2-Dichloroethane-d4	43.85	1.0	50	0	87.7	70 - 126	44	0.33	20	
Surr: 4-Bromofluorobenzene	47.92	1.0	50	0	95.8	81 - 113	48.53	1.26	20	
Surr: Dibromofluoromethane	48.02	1.0	50	0	96.0	77 - 123	48.45	0.891	20	
Surr: Toluene-d8	48.94	1.0	50	0	97.9	82 - 127	49.4	0.934	20	

The following samples were analyzed in this batch: HS19071521-02

ALS Houston, US

Date: 09-Aug-19

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
WorkOrder: HS19071521

QC BATCH REPORT

Batch ID: 143781 (0)		Instrument: ICS-Integrion		Method: ANIONS BY E300.0					
MBLK	Sample ID: MBLK-143781	Units: mg/Kg		Analysis Date: 05-Aug-2019 22:14					
Client ID:	Run ID: ICS-Integrion_343738		SeqNo: 5197727		PrepDate: 05-Aug-2019		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-143781	Units: mg/Kg		Analysis Date: 05-Aug-2019 22:31					
Client ID:	Run ID: ICS-Integrion_343738		SeqNo: 5197728		PrepDate: 05-Aug-2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Chloride	195.6	5.00	200	0	97.8	90 - 110			
LCSD	Sample ID: LCSD-143781	Units: mg/Kg		Analysis Date: 05-Aug-2019 22:49					
Client ID:	Run ID: ICS-Integrion_343738		SeqNo: 5197729		PrepDate: 05-Aug-2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Chloride	191.9	5.00	200	0	96.0	90 - 110	195.6	1.89	20
MS	Sample ID: HS19080154-01MS	Units: mg/Kg		Analysis Date: 06-Aug-2019 05:16					
Client ID:	Run ID: ICS-Integrion_343738		SeqNo: 5197751		PrepDate: 05-Aug-2019		DF: 10		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Chloride	2612	49.4	98.84	2080	538	75 - 125			SO
MS	Sample ID: HS19071520-01MS	Units: mg/Kg		Analysis Date: 05-Aug-2019 23:24					
Client ID:	Run ID: ICS-Integrion_343738		SeqNo: 5197731		PrepDate: 05-Aug-2019		DF: 20		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Chloride	8210	100	100.2	9302	-1090	75 - 125			SO
MSD	Sample ID: HS19080154-01MSD	Units: mg/Kg		Analysis Date: 06-Aug-2019 05:34					
Client ID:	Run ID: ICS-Integrion_343738		SeqNo: 5197752		PrepDate: 05-Aug-2019		DF: 10		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Chloride	2657	50.2	100.3	2080	575	75 - 125	2612	1.71	20 SO

ALS Houston, US

Date: 09-Aug-19

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
WorkOrder: HS19071521

QC BATCH REPORT

Batch ID: 143781 (0)		Instrument: ICS-Integrion		Method: ANIONS BY E300.0						
MSD	Sample ID: HS19071520-01MSD	Units: mg/Kg		Analysis Date: 05-Aug-2019 23:42						
Client ID:	Run ID: ICS-Integrion_343738		SeqNo: 5197732		PrepDate: 05-Aug-2019		DF: 20			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	8234	100	100.2	9302	-1070	75 - 125	8210	0.295	20	SO

The following samples were analyzed in this batch: HS19071521-01

ALS Houston, US

Date: 09-Aug-19

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
WorkOrder: HS19071521

QC BATCH REPORT

Batch ID: R343960 (0)		Instrument: Balance1		Method: MOISTURE					
DUP	Sample ID: HS19080136-02DUP	Units: wt%		Analysis Date: 08-Aug-2019 12:26					
Client ID:	Run ID: Balance1_343960		SeqNo: 5202985		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Percent Moisture	14	0.0100					15	6.9	20
The following samples were analyzed in this batch: HS19071521-01									

ALS Houston, US

Date: 09-Aug-19

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
WorkOrder: HS19071521

**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%	

ALS Houston, US

Date: 09-Aug-19

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	19-028-0	27-Mar-2020
California	2919, 2019-2020	30-Apr-2020
Dept of Defense	ANAB L2231	20-Dec-2021
Kentucky	123043, 2019-2020	30-Apr-2020
Louisiana	03087, 2019-2020	30-Jun-2020
Maryland	343, 2019-2020	30-Jun-2020
North Carolina	624-2019	31-Dec-2019
Oklahoma	2018-156	31-Aug-2019
Texas	TX104704231-19-23	30-Apr-2020

ALS Houston, US

Date: 09-ago-19

Client: Creston Environmental LLC
Project: Cimarex Cabrera 34 1H & 4H Recycling FAC.
Work Order: HS19071521

SAMPLE TRACKING

Lab Samp ID	Client Sample ID	Action	Date	Person	New Location
HS19071521-01	RF-07302019-707-02	Login	31/07/2019 11:42:03	JRM	VOA098
HS19071521-01	RF-07302019-707-02	Login	31/07/2019 11:42:03	JRM	SPA159
HS19071521-01	RF-07302019-707-02	Login	31/07/2019 11:42:03	JRM	J037
HS19071521-01	RF-07302019-707-02	Login	31/07/2019 11:42:03	JRM	J037
HS19071521-02	Trip Blank	Login	31/07/2019 11:42:03	JRM	VOA026

ALS Houston, US

Date: 09-Aug-19

Sample Receipt Checklist

Client Name: Creston Environmental LLC Norman OK
 Work Order: HS19071521

Date/Time Received: **31-Jul-2019 09:04**
 Received by: **PMG**

Checklist completed by: Jared R. Makan 31-Jul-2019
 eSignature Date

Reviewed by: Bernadette A. Fini 31-Jul-2019
 eSignature Date

Matrices: **Soil, Trip Blank**

Carrier name: **FedEx Priority Overnight**

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:N/A
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):	0.4c/0.4c UC/C IR25		
Cooler(s)/Kit(s):	45201		
Date/Time sample(s) sent to storage:	07/31/2019 11:48		
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:

Client Contacted: Date Contacted: Person Contacted:
 Contacted By: Regarding:

Comments:

Corrective Action:

[illegible]

 ALS 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887	CUSTODY SEAL		Seal Broken By: <i>SM</i>
	Date: <i>7/30/19</i>	Time: <i>1430</i>	Date: <i>07/31/19</i>
	Name: <i>Kelly Miller</i>		
	Company: <i>Creston</i>		

45201

JUL 31 2019

 ALS 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887	CUSTODY SEAL		Seal Broken By: <i>SM</i>
	Date: <i>7/30/19</i>	Time: <i>1430</i>	Date: <i>07/31/19</i>
	Name: <i>Kelly Miller</i>		
	Company: <i>Creston</i>		

45201



Must Deliver Next Business Day
Time and Temperature Sensitive!

45201

ORIGIN ID:SGRA (405) 209-7204
 GUESTS-KELLY MILLER/SHAYNE RELMOND
 STEVENS INN
 1829 S. CANAL ST.

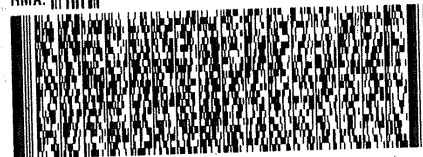
CARLSBAD, NM 88220
 UNITED STATES US

SHIP DATE: 24JUL19
 ACTWGT: 1.00 LB MAX
 CAD: 300130/CAFE3211
 DIMS: 19x16x19 IN

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

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

RMA: 011111

FedEx
Express

FedEx

TRK#
 0221 4809 7836 1684

WED - 31 JUL 10:30A
 PRIORITY OVERNIGHT

AB SGRA

77099
 TX-US
 IAH



FID 5119884 30JUL19 ROWA 568C2/F551/OCBA

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District I

1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 85728

CONDITIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 85728
	Action Type: [C-147] Water Recycle Long (C-147L)

CONDITIONS

Created By	Condition	Condition Date
vvenegas	NMOCD has reviewed the closure report submitted by [215099] CIMAREX ENERGY CO., on 3/2/2022, for 2RF-150 - Cabrera 34 Federal 1H - 4H in A-34-26S-27E, Eddy County, New Mexico. The closure report has been approved. The permit associated with 2RF-150 - Cabrera 34 Federal 1H - 4H is closed. Please note that according to 19.15.34.14.G: The re-vegetation and reclamation obligations imposed by federal, state trust land or tribal agencies on lands managed by those agencies shall supersede these provisions and govern the obligations of any operator subject to those provisions, provided that the other requirements provide equal or better protection of fresh water, human health and the environment. As stated by 19.15.34.14.H, the operator shall notify the Division when reclamation and re-vegetation are complete.	3/10/2022