



MCollier@H-R_Enterprises.com 575-909-0326

Remediation and Closure Report

Triste Draw 25 CTB
Incident# nAPP2300631557
Lea County, New Mexico

Prepared For:

Cimarex Energy Co.
600 Marienfeld St.
Midland, TX 79701

Prepared By:

H&R Enterprises, LLC
5120 W. Kansas St.
Hobbs, New Mexico 88242

March 03, 2023

Mrs. Jennifer Nobui
NMOCD
1220 S. St. Francis Dr.
Santa Fe, NM 87505

Subject: **Remediation and Closure Report**
Triste Draw 25 CTB
Lea County, NM

Dear Mrs. Nobui,

Cimarex Energy Co. has contracted H&R Enterprises (H&R) to perform site assessment and remediation services at the above-referenced location. The results of our site assessment and remediation activities are contained herein.

Site Information

The Triste Draw 25 CTB is located approximately 30.6 miles West of Jal, New Mexico. The legal location for this release is Unit Letter P, Section 25, Township 23 South and Range 32 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.26939 North and -103.62188 West. Site plans are presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Pyote and Maljamar fine sands, 0 to 3 percent slopes. The referenced soil data is attached in [Appendix II](#). Drainage courses in this area are typically dry. The project site is not located in a high Karst potential area (Karst Map, [Appendix I](#)).

Groundwater and Site Characterization

The New Mexico Office of the State Engineer (NMOSE) web site indicates that the nearest reported depth to groundwater is 400-feet below ground surface (BGS). See [Appendix II](#) for the referenced groundwater data.

If a release occurs within the following areas, the responsible party must treat the release as if it occurred less than 50 feet to the groundwater in Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29, NMAC.

Approximate Depth to Groundwater		400 Feet/BGS
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Within 300 feet of any continuously flowing watercourse or any other significant watercourse
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Within 200 feet of any lakebed, sinkhole, or a playa lake
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Within 300 feet from an occupied permanent residence, school, hospital, institution, or church
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Within 1000 feet of any freshwater well or spring
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Within 300 feet of a wetland
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Within the area overlying a subsurface mine
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Within an unstable area
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Within a 100-year floodplain

Due to groundwater data from the NMOSE not being current an exploratory water bore was drilled to a total depth of 55-feet BGS on the Triste Draw 25 Federal #002H well pad approximately 0.24 miles to the east of the release area. As no groundwater was present, the closure criteria for this site are as follows:

Table I			
Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
51-100 feet	Chloride **	EPA 300.0 or SM4500 CIB	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	DRO+GRO	EPA SW-846 Method 8015	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Incident Description

On January 5, 2023, the top gasket on a heater treater water leg failed and released fluid out of the top of the water leg. A total of 43 barrels (bbls) of fluid were released into the lined falcon containment and 7 bbls sprayed onto the well pad.

Site Assessment and Remediation Activities

H&R mobilized personnel to begin site assessment, sampling, and remediation activities of the location. Grab samples were obtained by way of hand auger. Samples were transported to Cardinal Laboratory for analysis. The results of that analysis are presented in the following data table. Initial site assessment locations are illustrated on Site Assessment Map, [Appendix I](#). Before, during, and after photographs of the location are attached in [Appendix IV](#). Complete laboratory reports can be found in [Appendix V](#).

Table 1: Initial Soil Samples Analysis

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	1000 mg/kg		2500 mg/kg	2500 mg/kg	10,000 mg/kg
S-1	1/27/2023	0-0.5'	ND	ND	ND	ND	ND	0	96
		1'	ND	ND	ND	ND	ND	0	48
		2'	ND	ND	ND	ND	ND	0	48
S-2	1/27/2023	0-0.5'	0.958	ND	12.3	31.3	ND	43.6	112
		1'	0.343	ND	ND	ND	ND	0	64
		2'	ND	ND	ND	ND	ND	0	96
S-3	1/27/2023	0-0.5'	2.35	ND	32.7	124	22.2	178.9	48
		1'	ND	ND	ND	ND	ND	0	48
		2'	ND	ND	ND	ND	ND	0	32
S-4	1/27/2023	0-0.5'	ND	ND	ND	ND	ND	0	32
		1'	ND	ND	ND	ND	ND	0	32
		2'	ND	ND	ND	ND	ND	0	32
S-5	1/27/2023	0-0.5'	148	ND	467	490	469	1426	32
		1'	0.543	ND	ND	17.2	21.5	38.7	32
		2'	ND	ND	ND	ND	ND	0	48
S-6	1/27/2023	0-0.5'	ND	ND	ND	ND	ND	0	32
		1'	ND	ND	ND	ND	ND	0	32
		2'	ND	ND	ND	ND	ND	0	16
S-7	1/27/2023	0-0.5'	319	4.21	1850	3830	609	6289	16
		1'	3.27	ND	75.6	571	118	764.6	32
		2'	ND	ND	ND	12.9	ND	12.9	16
S-8	1/27/2023	0-0.5'	304	14.3	3710	11000	1850	16560	272
		1'	ND	ND	ND	29	26.1	55.1	16
		2'	ND	ND	ND	30.8	ND	30.8	16
S-9	1/27/2023	0-0.5'	508	16.7	3810	6400	1240	11450	208
		1'	4.14	ND	15.1	121	49.8	185.9	128
		2'	0.535	ND	ND	70.2	13.7	83.9	32
S-10	1/27/2023	0-0.5'	ND	ND	ND	118	21.7	139.7	64
		1'	ND	ND	ND	ND	ND	0	16
		2'	ND	ND	ND	ND	ND	0	32
S-11	1/27/2023	0-0.5'	ND	ND	ND	ND	ND	0	96
		1'	ND	ND	ND	ND	ND	0	32
		2'	ND	ND	ND	ND	ND	0	32
S-12	2/22/2023	0-1'	0.0147	0.00715	ND	ND	ND	0	63.1
S-13	2/22/2023	0-1'	ND	ND	ND	ND	ND	0	64.8
S-14	2/22/2023	0-1'	ND	ND	ND	ND	ND	0	62.9

ND = Analyte Not Detected

Based on the results of our site assessment and upon client authorization, excavation activities of the impacted areas began. Confirmation composite samples were collected from the sidewalls and bottoms of the excavated area to confirm that NMOCD closure criteria had been met, the results of which can be found in the following data table. Confirmation sample locations and excavation dimensions can be found on Confirmation Sample Map in [Appendix I](#). Complete laboratory reports are attached in [Appendix V](#).

Table 2: Confirmation Soil Sample Analysis

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	1000 mg/kg		2500 mg/kg	2500 mg/kg	mg/kg
S-1	2/22/2023	1'	ND	ND	ND	ND	ND	0	59.2
S-2	2/22/2023	1'	ND	ND	ND	ND	ND	0	49.1
S-3	2/22/2023	1'	ND	ND	ND	ND	ND	0	50.6
S-4	2/22/2023	1'	ND	ND	ND	ND	ND	0	48.5
SW-1	2/22/2023	1'	ND	ND	ND	ND	ND	0	49.9
SW-2	2/22/2023	1'	ND	ND	ND	ND	ND	0	68.8
SW-3	2/22/2023	1'	ND	ND	ND	ND	ND	0	54.3
SW-4	2/22/2023	1'	ND	ND	ND	ND	ND	0	53.6

ND = Analyte Not Detected SW = Sidewall

Remedial Actions

- The impacted areas in the vicinity of initial assessment sample points S-7 through S-9 were excavated to a total depth of 1-foot BGS.
- Composite confirmation samples were obtained from the sidewalls and bottom of the excavation every 200sqft. to verify that all contaminants above closure criteria had been removed.
- All of the excavated material was hauled to Lea Land, a NMOCD approved solid waste disposal facility.
- The excavated areas on the well pad were backfilled with new caliche at depth and brought to grade, machine compacted and contoured to match the surrounding location.
- The Final C-141 formally documenting the remedial actions is attached in [Appendix III](#).

Closure

Based on the site assessment, remedial actions and confirmation sampling results completed for this project, on behalf of Cimarex Energy Co. we request that no further actions be required, and that closure of this incident be granted.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575-909-0326.

Respectfully submitted,

H&R Enterprises, LLC



Michael Collier
Environmental Project Manager

Attachments:

- Appendix I Site Maps
- Appendix II Soil Survey, Groundwater Data
- Appendix III Initial and Final C-141
- Appendix IV Photographic Documentation
- Appendix V Laboratory Reports

APPENDIX I

SITE MAPS

KARST MAP

TOPOGRAPHIC MAP

LOCATOR MAP

Triste Draw 25 CTB

Cimarex Energy Co.
Incident# nAPP2300631557
Lea County, NM
Site Assessment Map

Legend

- Assessment Sample Point
- Initial Spill Boundary



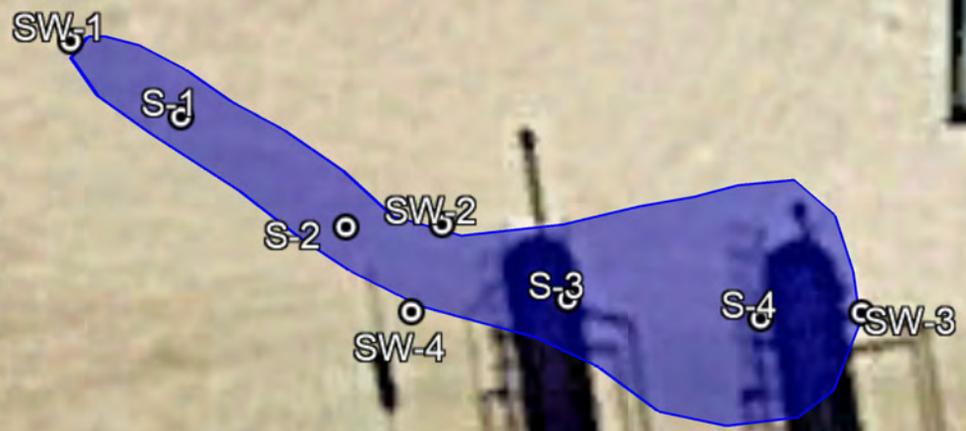
80 ft

Triste Draw 25 CTB

Cimarex Energy Co.
Incident# nAPP2300631557
Lea County, NM
Confirmation Sample Map

Legend

-  1ft. Excavation
-  Confirmation Composite Sample

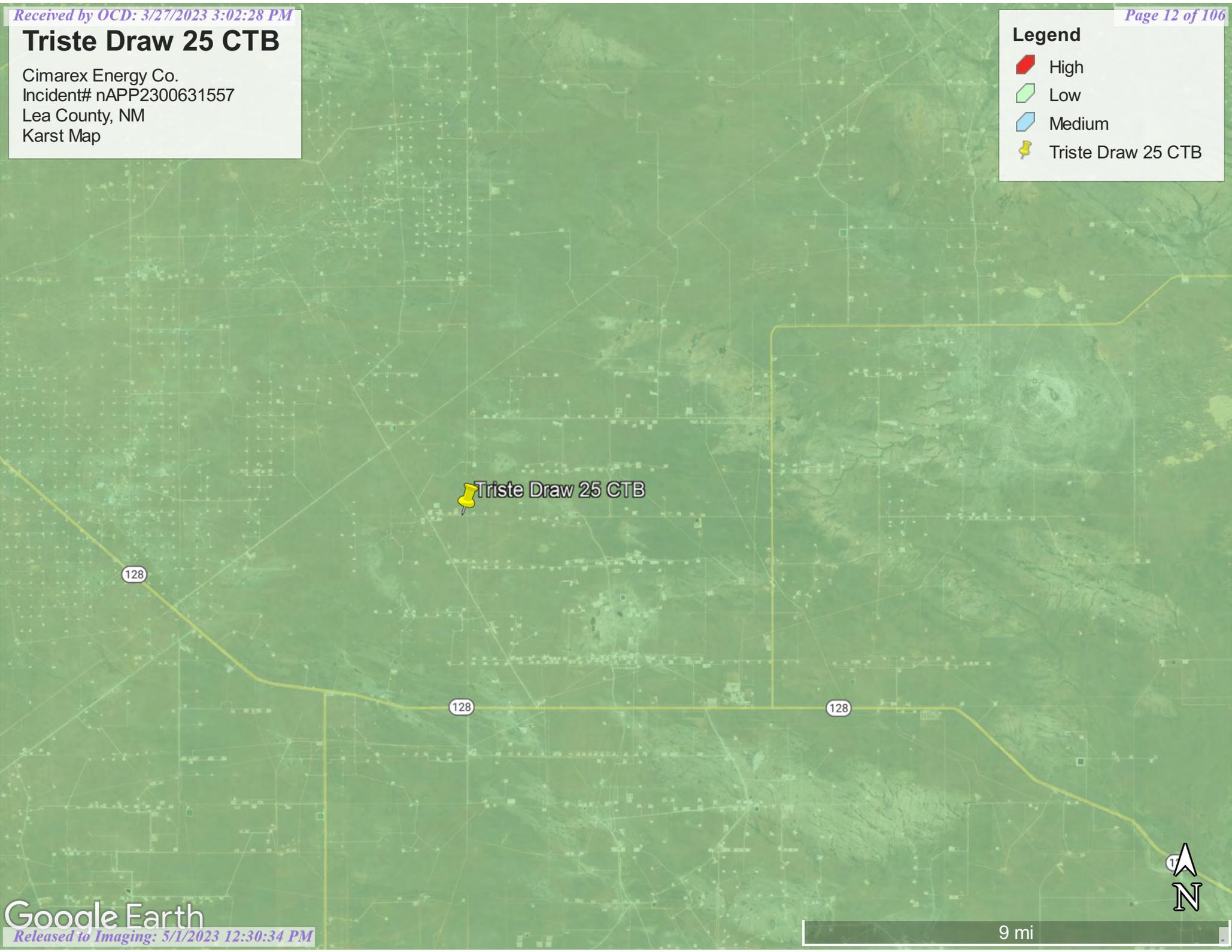


Triste Draw 25 CTB

Cimarex Energy Co.
Incident# nAPP2300631557
Lea County, NM
Karst Map

Legend

-  High
-  Low
-  Medium
-  Triste Draw 25 CTB

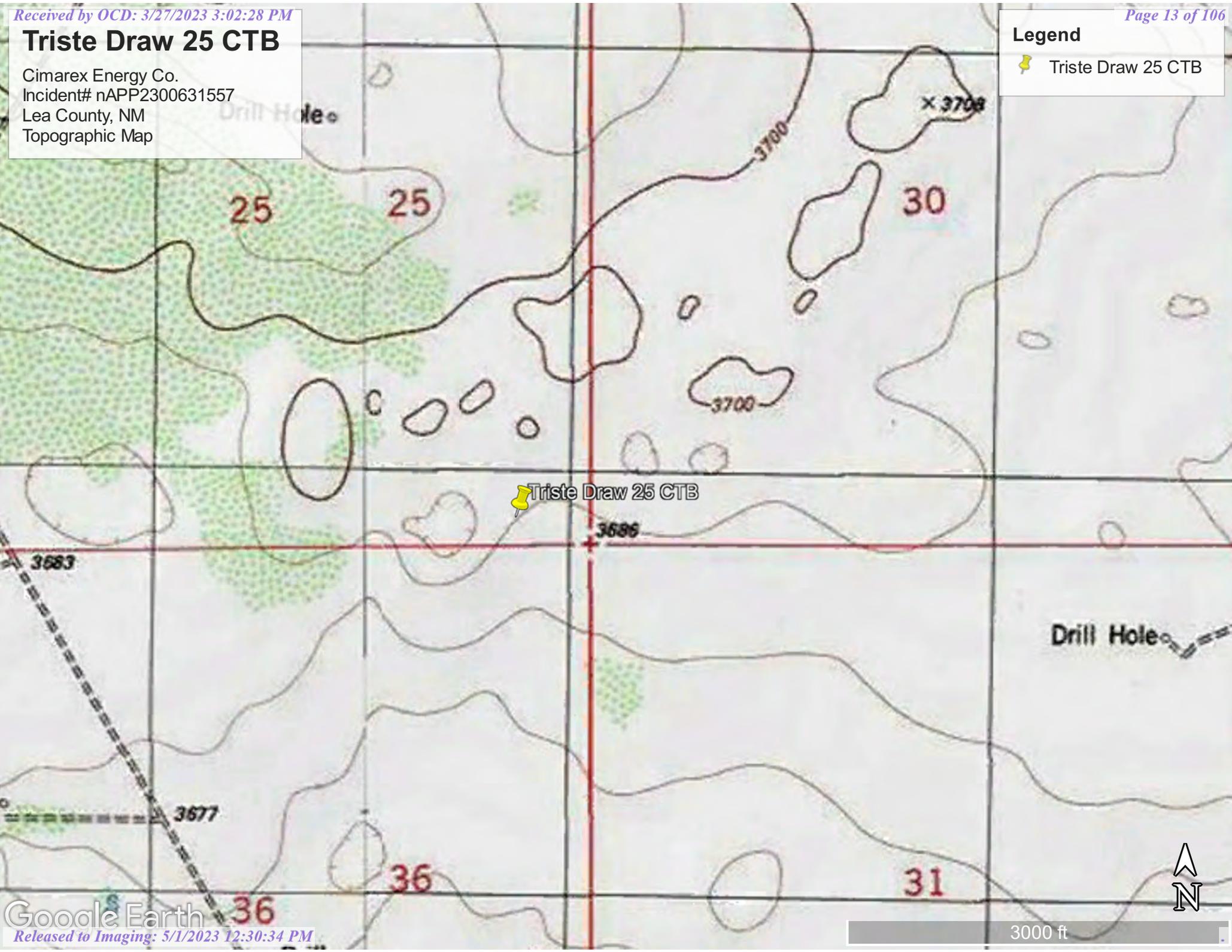


Triste Draw 25 CTB

Cimarex Energy Co.
Incident# nAPP2300631557
Lea County, NM
Topographic Map

Legend

-  Triste Draw 25 CTB

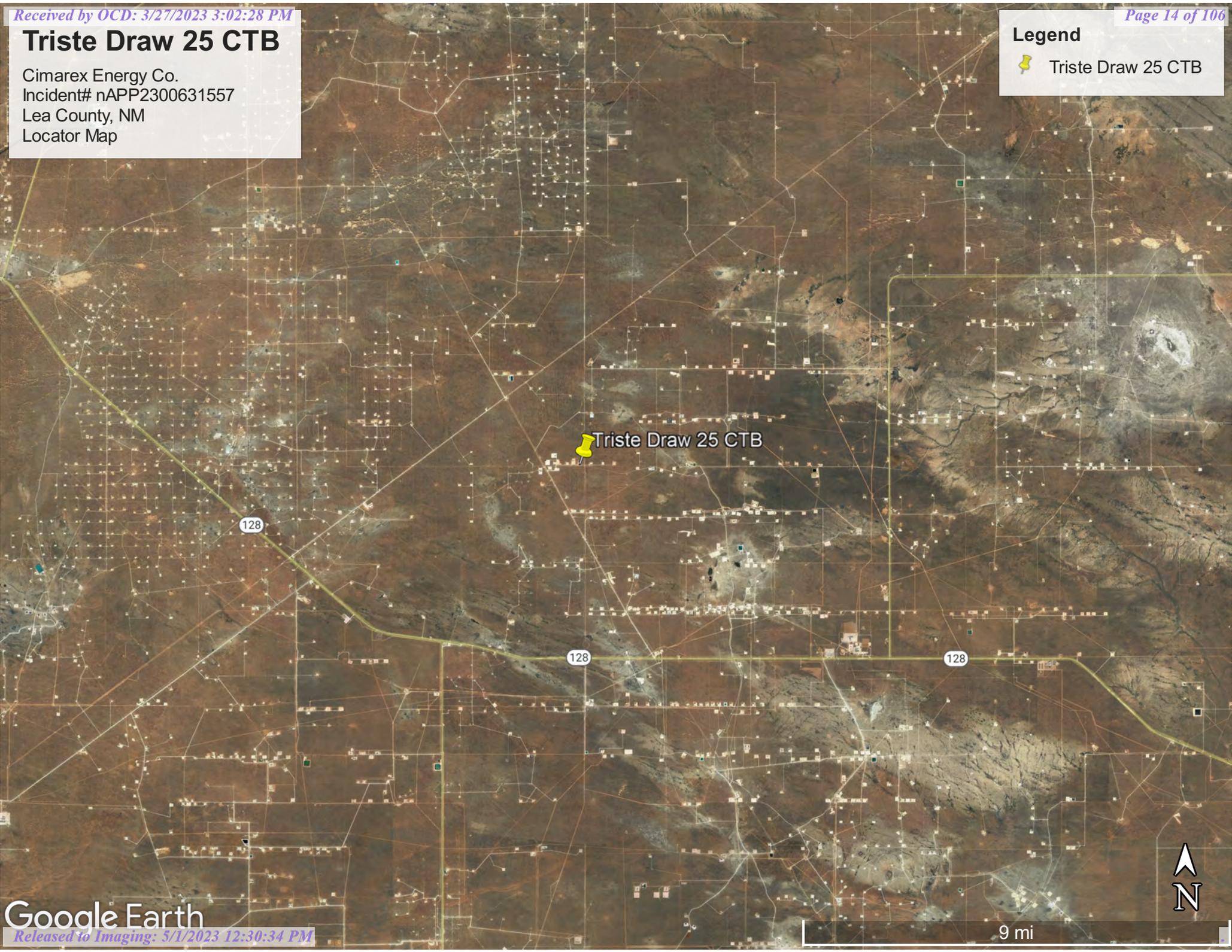


Triste Draw 25 CTB

Cimarex Energy Co.
Incident# nAPP2300631557
Lea County, NM
Locator Map

Legend

-  Triste Draw 25 CTB



APPENDIX II

GROUNDWATER DATA

SOIL SURVEY

FEMA FLOOD ZONE

WATER BORE MAP

SOIL BORE LOG



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 4	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C_04551 POD1		CUB	LE	4	4	3	31	23S	33E	630671	3569556	1763			
C_02276		CUB	LE	3	1	4	19	23S	33E	630848	3573154*	2296	650	400	250
C_02275		CUB	LE	3	3	2	19	23S	33E	630843	3573557*	2660	650	400	250

Average Depth to Water: **400 feet**
 Minimum Depth: **400 feet**
 Maximum Depth: **400 feet**

Record Count: 3

Basin/County Search:

County: Lea

UTMNAD83 Radius Search (in meters):

Easting (X): 629818.93

Northing (Y): 3571100.95

Radius: 3000

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

3/2/23 9:55 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Triste Draw 25 CTB

Cimarex Energy Co.
Incident# nAPP2300631557
Lea County, NM
Exploratory Water Bore Map

Legend

-  0.24 miles
-  Triste Draw 25 CTB
-  Triste Draw Exploratory Water Bore



Triste Draw Exploratory Water Bore

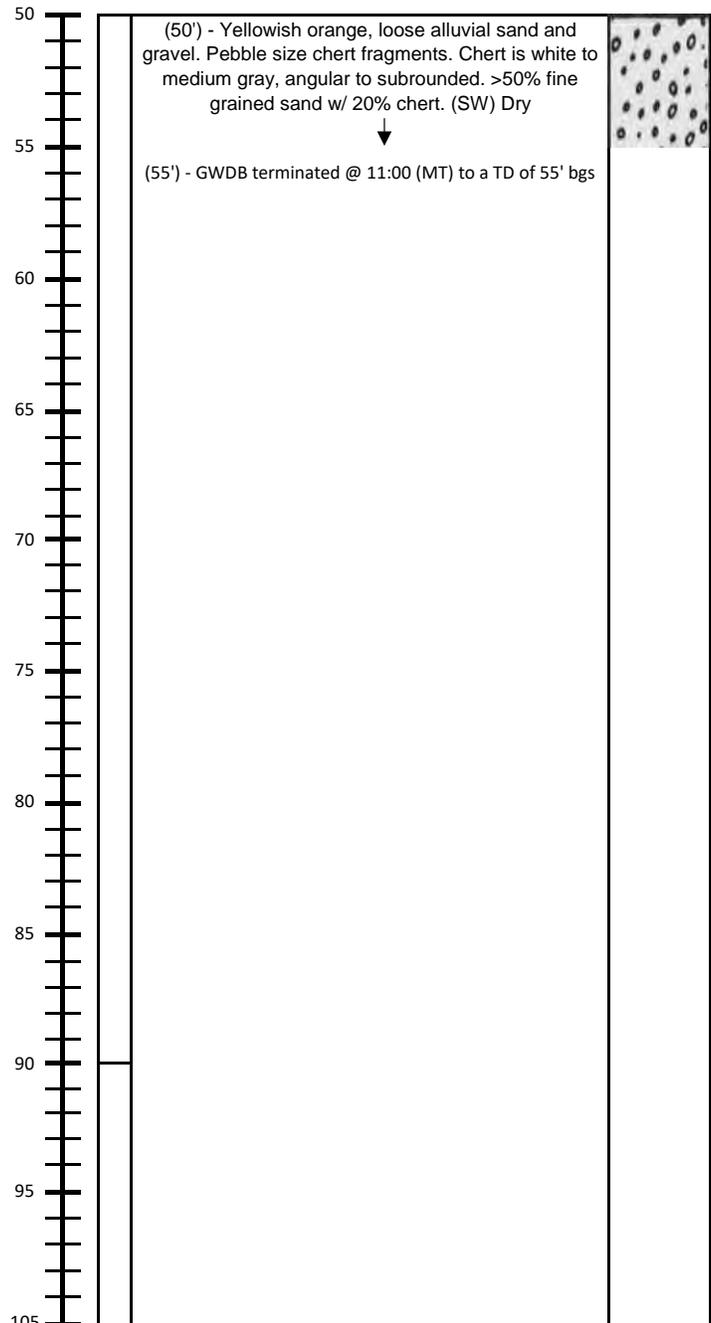
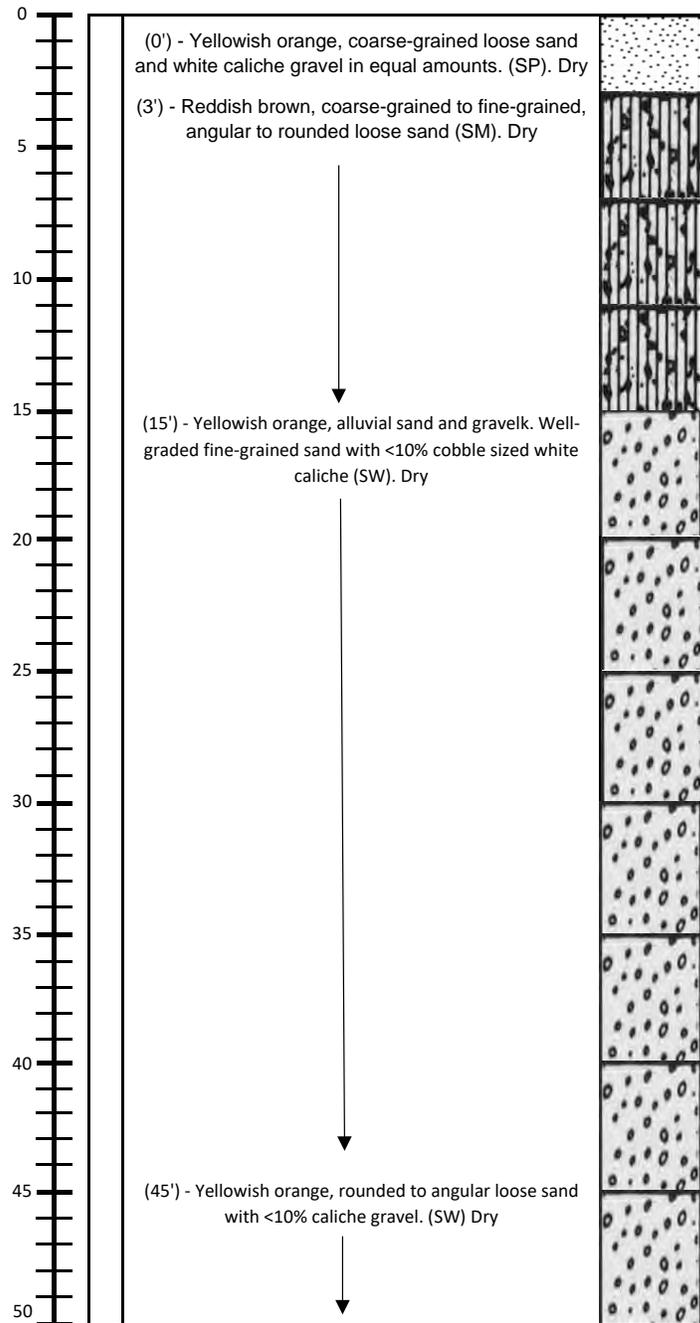
Triste Draw 25 CTB





Project Name :	Cimarex - Triste Draw 25 ROW	Date :	Wednesday, October 27th, 2021
Project No. :	214707	Sampler :	Nick Hart
Location :	Lea Co, New Mexico	Driller :	Scarborough Drilling
Coordinates :	32.269008°, -103.625727°	Method :	Air Rotary
Elevation :	3,625'		

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
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Comments : Total Depth 55' bgs
Drilling Terminated @ 11:00 MT No groundwater present

Check for presence of groundwater on 11/01/2021

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Lea County, New Mexico

PU—Pyote and Maljamar fine sands

Map Unit Setting

National map unit symbol: dmqq
Elevation: 3,000 to 3,900 feet
Mean annual precipitation: 10 to 12 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Pyote and similar soils: 46 percent
Maljamar and similar soils: 44 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pyote

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 30 inches: fine sand
Bt - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Description of Maljamar

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 24 inches: fine sand
Bt - 24 to 50 inches: sandy clay loam
Bkm - 50 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 40 to 60 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.6 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 10 percent
Ecological site: R070BC022NM - Sandhills

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Hydric soil rating: No

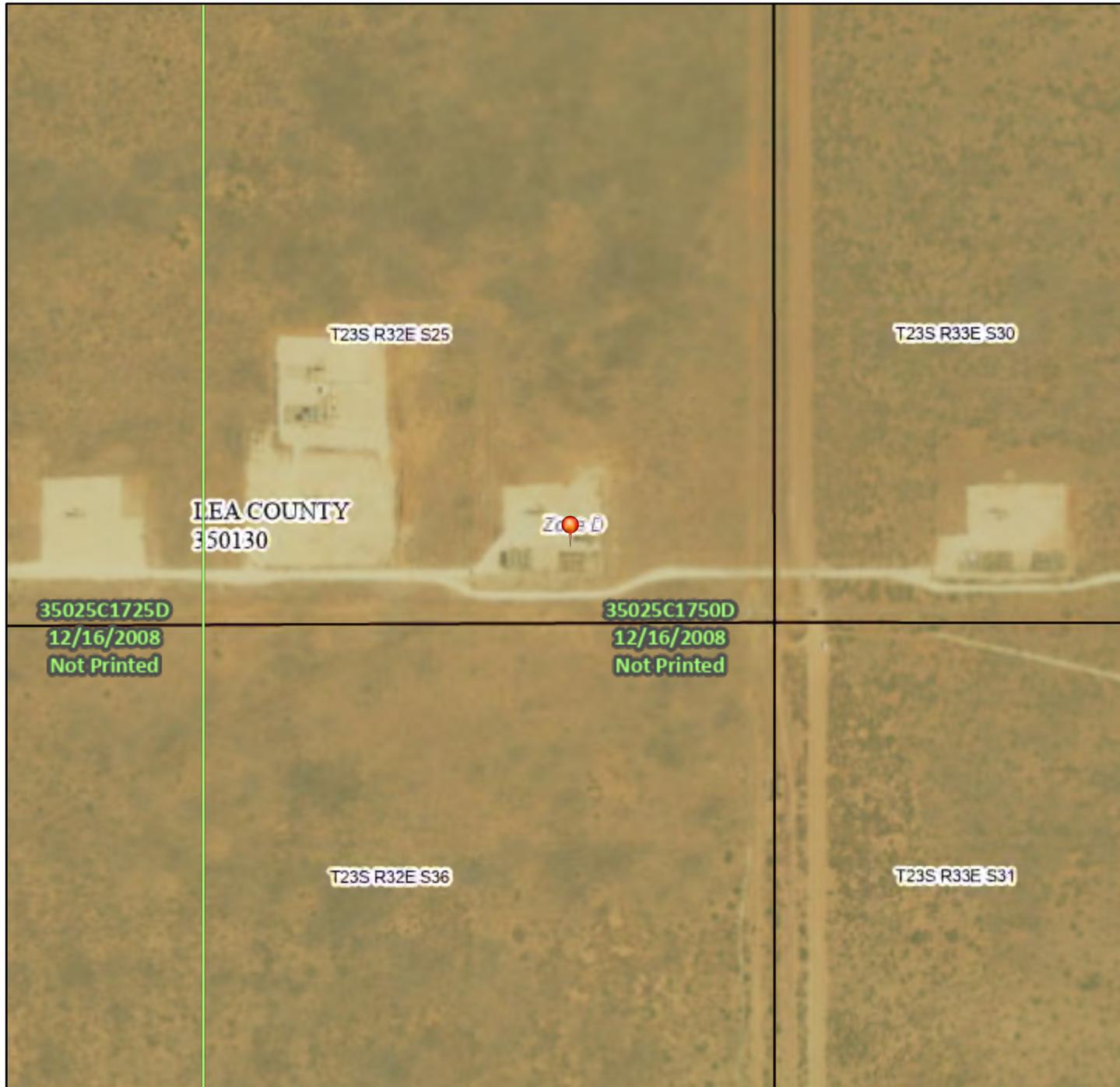
Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 19, Sep 8, 2022

National Flood Hazard Layer FIRMette



103°37'37"W 32°16'24"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE) Zone A, V, A99
- With BFE or Depth Zone AE, AO, AH, VE, AR
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD

- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee. See Notes. Zone X
- Area with Flood Risk due to Levee Zone D

OTHER AREAS

- NO SCREEN Area of Minimal Flood Hazard Zone X
- Effective LOMRs
- Area of Undetermined Flood Hazard Zone D

GENERAL STRUCTURES

- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES

- Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS

- Digital Data Available
- No Digital Data Available
- Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/2/2023 at 11:59 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

APPENDIX III

INITIAL C-141 AND FINAL C-141

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-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2300631557
District RP	
Facility ID	fAPP2132651560
Application ID	

Release Notification

Responsible Party

Responsible Party: Cimarex Energy Co.	OGRID: 215099
Contact Name: Laci Luig	Contact Telephone: (432) 571-7800
Contact email: laci.luig@coterra.com	Incident # (assigned by OCD) nAPP2300631557
Contact mailing address: 600 N Marienfeld Street, Ste. 600 Midland, TX 79701	

Location of Release Source

Latitude 32.26939 _____ Longitude -103.62188 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Triste Draw 25 Federal	Site Type: Battery
Date Release Discovered: 1/5/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
P	25	23S	32E	Lea

Surface Owner: State Federal Tribal Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Equipment Failure

The top gasket on a heater treater water leg failed and released fluid out of the top of the water leg. A total of 43 barrels was released into the lined containment and 7 barrels onto the well pad. A vac truck recovered all fluid from the lined containment. The vessel was isolated and taken out of service until repairs are made. The impacted soils are being scraped up from the well pad and hauled to an approved disposal site. Any further remediation will take place in the coming weeks. The containment will be washed and a liner inspection scheduled.

Spilled: 50 barrels (15 barrels oil + 35 barrels water)

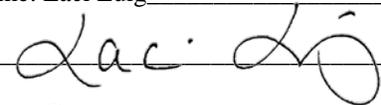
Recovered: 43 barrels (8 barrels oil + 35 barrels water)

Incident ID	nAPP2300631557
District RP	
Facility ID	fAPP2132651560
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Total amount released is greater than 25 barrels.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? By: Laci Luig To: OCD Enviro., BLM By: Email	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why: _____ _____ _____
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: Laci Luig _____ Title: ESH Specialist _____ Signature:  _____ Date: 1/6/2023 _____ email: laci.luig@coterra.com _____ Telephone: (432) 208-3035 _____
<u>OCD Only</u> Received by: <u>Jocelyn Harimon</u> _____ Date: <u>03/27/2023</u> _____

Incident ID	nAPP2300631557
District RP	
Facility ID	fAPP2132651560
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	>55__ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

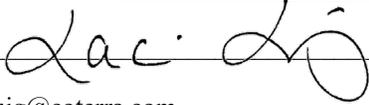
State of New Mexico
Oil Conservation Division

Page 4

Incident ID	nAPP2300631557
District RP	
Facility ID	fAPP2132651560
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Laci Luig _____ Title: ESH Specialist _____

Signature:  _____ Date: 3/27/2023 _____

email: laci.luig@coterra.com _____ Telephone: (432) 208-3035 _____

OCD Only

Received by: Jocelyn Harimon _____ Date: 03/27/2023 _____

Incident ID	nAPP2300631557
District RP	
Facility ID	fAPP2132651560
Application ID	

Closure

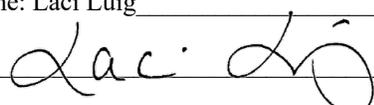
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Laci Luig Title: ESH Specialist

Signature:  Date: 3/27/2023

email: laci.luig@coterra.com Telephone: (432) 208-3035

OCD Only

Received by: Jocelyn Harimon Date: 03/27/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 05/01/2023

Printed Name: Jennifer Nobui Title: Environmental Specialist A

From: [Enviro, OCD, EMNRD](#)
To: [Laci Luig](#)
Cc: [Nobui, Jennifer, EMNRD](#); [Mike Carmona](#)
Subject: RE: [EXTERNAL] nAPP2300631557 Triste Draw 25 Federal 1,2,7 sample notification
Date: Thursday, February 16, 2023 11:44:54 AM
Attachments: [image002.jpg](#)
[image003.jpg](#)
[0.jpg](#)

WARNING: This email originated from outside of Coterra Energy. Do not click links or open attachments unless you recognize the sender, are expecting the content and know it is safe.



Laci,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JH

Jocelyn Harimon • Environmental Specialist
 Environmental Bureau
 EMNRD - Oil Conservation Division
 1220 South St. Francis Drive | Santa Fe, NM 87505
 (505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



From: Laci Luig <Laci.Luig@coterra.com>
Sent: Thursday, February 16, 2023 8:08 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; BLM Spill Notifications <blm_nm_cfo_spill@blm.gov>
Cc: Michael Collier <mcollier@h-r-enterprises.com>
Subject: [EXTERNAL] nAPP2300631557 Triste Draw 25 Federal 1,2,7 sample notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good morning,

This email serves as notification for confirmation sampling on the Triste Draw Federal
 th

1,27. Sampling is scheduled to begin as early as Monday, February 20 . H&R Enterprises will be onsite to collect the confirmation samples.

Thank you,



Laci Luig | Environmental, Health & Safety Specialist
T: 432.571.7810 | M: 432.208.3035 | laci.luig@coterra.com | www.coterra.com
Coterra Energy Inc. | 600 N. Marienfeld Street, Suite 600 | Midland, TX 79701

Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.

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APPENDIX IV

PHOTOGRAPHIC DOCUMENTATION

PHOTOGRAPHIC DOCUMENTATION

INITIAL PHOTOGRAPHS



EXCAVATION PHOTOGRAPHS



PHOTOGRAPHIC DOCUMENTATION



FINAL PHOTOGRAPHS



APPENDIX V

LABORATORY REPORTS



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

February 03, 2023

MICHAEL COLLIER
H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS, NM 88240

RE: TRISTY DRAW 25 CTB (TRISTY)

Enclosed are the results of analyses for samples received by the laboratory on 01/27/23 14:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 1 0-.5' (H230414-01)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	1.99	99.6	2.00	6.44	
Toluene*	<0.050	0.050	01/31/2023	ND	2.12	106	2.00	6.09	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.12	106	2.00	9.42	
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.57	109	6.00	9.68	
Total BTEX	<0.300	0.300	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/30/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	197	98.6	200	2.76	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	188	94.1	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 1 1' (H230414-02)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	1.99	99.6	2.00	6.44	
Toluene*	<0.050	0.050	01/31/2023	ND	2.12	106	2.00	6.09	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.12	106	2.00	9.42	
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.57	109	6.00	9.68	
Total BTEX	<0.300	0.300	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/30/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	197	98.6	200	2.76	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	188	94.1	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 1 2' (H230414-03)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	1.99	99.6	2.00	6.44	
Toluene*	<0.050	0.050	01/31/2023	ND	2.12	106	2.00	6.09	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.12	106	2.00	9.42	
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.57	109	6.00	9.68	
Total BTEX	<0.300	0.300	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/30/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	197	98.6	200	2.76	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	188	94.1	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 2 0-0.5' (H230414-05)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	1.99	99.6	2.00	6.44	
Toluene*	0.073	0.050	01/31/2023	ND	2.12	106	2.00	6.09	
Ethylbenzene*	0.113	0.050	01/31/2023	ND	2.12	106	2.00	9.42	
Total Xylenes*	0.772	0.150	01/31/2023	ND	6.57	109	6.00	9.68	
Total BTEX	0.958	0.300	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/30/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	12.3	10.0	01/31/2023	ND	197	98.6	200	2.76	
DRO >C10-C28*	31.3	10.0	01/31/2023	ND	188	94.1	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 2 1' (H230414-06)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	1.99	99.6	2.00	6.44	
Toluene*	0.113	0.050	01/31/2023	ND	2.12	106	2.00	6.09	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.12	106	2.00	9.42	
Total Xylenes*	0.230	0.150	01/31/2023	ND	6.57	109	6.00	9.68	
Total BTEX	0.343	0.300	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/30/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	197	98.6	200	2.76	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	188	94.1	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 2 2' (H230414-07)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	1.99	99.6	2.00	6.44	
Toluene*	<0.050	0.050	01/31/2023	ND	2.12	106	2.00	6.09	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.12	106	2.00	9.42	
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.57	109	6.00	9.68	
Total BTEX	<0.300	0.300	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/30/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	197	98.6	200	2.76	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	188	94.1	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 3 0-0.5' (H230414-09)

BTEX 8021B		mg/kg		Analyzed By: JH/				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	1.99	99.6	2.00	6.44	
Toluene*	0.111	0.050	01/31/2023	ND	2.12	106	2.00	6.09	
Ethylbenzene*	0.286	0.050	01/31/2023	ND	2.12	106	2.00	9.42	
Total Xylenes*	1.95	0.150	01/31/2023	ND	6.57	109	6.00	9.68	
Total BTEX	2.35	0.300	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 140 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/30/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	32.7	10.0	01/31/2023	ND	197	98.6	200	2.76	
DRO >C10-C28*	124	10.0	01/31/2023	ND	188	94.1	200	7.72	
EXT DRO >C28-C36	22.2	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 3 1' (H230414-10)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	1.99	99.6	2.00	6.44	
Toluene*	<0.050	0.050	01/31/2023	ND	2.12	106	2.00	6.09	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.12	106	2.00	9.42	
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.57	109	6.00	9.68	
Total BTEX	<0.300	0.300	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/30/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	197	98.6	200	2.76	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	188	94.1	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 3 2' (H230414-11)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	1.99	99.6	2.00	6.44	
Toluene*	<0.050	0.050	01/31/2023	ND	2.12	106	2.00	6.09	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.12	106	2.00	9.42	
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.57	109	6.00	9.68	
Total BTEX	<0.300	0.300	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/30/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	197	98.6	200	2.76	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	188	94.1	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 4 0-0.5' (H230414-13)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	1.99	99.6	2.00	6.44	
Toluene*	<0.050	0.050	01/31/2023	ND	2.12	106	2.00	6.09	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.12	106	2.00	9.42	
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.57	109	6.00	9.68	
Total BTEX	<0.300	0.300	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/30/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	197	98.6	200	2.76	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	188	94.1	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 4 1' (H230414-14)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	1.99	99.6	2.00	6.44	
Toluene*	<0.050	0.050	01/31/2023	ND	2.12	106	2.00	6.09	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.12	106	2.00	9.42	
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.57	109	6.00	9.68	
Total BTEX	<0.300	0.300	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/30/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	197	98.6	200	2.76	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	188	94.1	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 4 2' (H230414-15)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	1.99	99.6	2.00	6.44	
Toluene*	<0.050	0.050	01/31/2023	ND	2.12	106	2.00	6.09	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.12	106	2.00	9.42	
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.57	109	6.00	9.68	
Total BTEX	<0.300	0.300	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/30/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	197	98.6	200	2.76	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	188	94.1	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 5 0-0.5' (H230414-17)

BTEX 8021B		mg/kg		Analyzed By: JH/				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	01/31/2023	ND	1.99	99.6	2.00	6.44	
Toluene*	31.3	0.500	01/31/2023	ND	2.12	106	2.00	6.09	
Ethylbenzene*	20.0	0.500	01/31/2023	ND	2.12	106	2.00	9.42	
Total Xylenes*	97.2	1.50	01/31/2023	ND	6.57	109	6.00	9.68	
Total BTEX	148	3.00	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 147 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/30/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	467	10.0	01/31/2023	ND	190	94.9	200	0.466	QM-07
DRO >C10-C28*	490	10.0	01/31/2023	ND	187	93.3	200	0.00428	QM-07
EXT DRO >C28-C36	169	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 5 1' (H230414-18)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	1.99	99.6	2.00	6.44	
Toluene*	0.152	0.050	01/31/2023	ND	2.12	106	2.00	6.09	
Ethylbenzene*	0.063	0.050	01/31/2023	ND	2.12	106	2.00	9.42	
Total Xylenes*	0.328	0.150	01/31/2023	ND	6.57	109	6.00	9.68	
Total BTEX	0.543	0.300	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/30/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	190	94.9	200	0.466	
DRO >C10-C28*	17.2	10.0	01/31/2023	ND	187	93.3	200	0.00428	
EXT DRO >C28-C36	21.5	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 5 2' (H230414-19)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/31/2023	ND	1.92	96.1	2.00	0.761		
Toluene*	<0.050	0.050	01/31/2023	ND	1.97	98.7	2.00	1.74		
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	1.97	98.6	2.00	1.97		
Total Xylenes*	<0.150	0.150	01/31/2023	ND	5.92	98.7	6.00	2.07		
Total BTEX	<0.300	0.300	01/31/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/30/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	190	94.9	200	0.466		
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	187	93.3	200	0.00428		
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND						

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 6 0-0.5' (H230414-21)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	1.92	96.1	2.00	0.761	
Toluene*	<0.050	0.050	01/31/2023	ND	1.97	98.7	2.00	1.74	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	1.97	98.6	2.00	1.97	
Total Xylenes*	<0.150	0.150	01/31/2023	ND	5.92	98.7	6.00	2.07	
Total BTEX	<0.300	0.300	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/30/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	190	94.9	200	0.466	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	187	93.3	200	0.00428	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 6 1' (H230414-22)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	1.92	96.1	2.00	0.761	
Toluene*	<0.050	0.050	01/31/2023	ND	1.97	98.7	2.00	1.74	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	1.97	98.6	2.00	1.97	
Total Xylenes*	<0.150	0.150	01/31/2023	ND	5.92	98.7	6.00	2.07	
Total BTEX	<0.300	0.300	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/30/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	190	94.9	200	0.466	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	187	93.3	200	0.00428	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 6 2' (H230414-23)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	2.00	99.9	2.00	1.45	
Toluene*	0.125	0.050	01/31/2023	ND	2.12	106	2.00	1.38	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.09	104	2.00	1.13	
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.44	107	6.00	1.67	
Total BTEX	<0.300	0.300	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/31/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	190	94.9	200	0.466	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	187	93.3	200	0.00428	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 7 0-5' (H230414-25)

BTEX 8021B		mg/kg		Analyzed By: JH/				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.21	0.500	01/31/2023	ND	2.00	99.9	2.00	1.45	
Toluene*	93.9	0.500	01/31/2023	ND	2.12	106	2.00	1.38	
Ethylbenzene*	38.4	0.500	01/31/2023	ND	2.09	104	2.00	1.13	
Total Xylenes*	182	1.50	01/31/2023	ND	6.44	107	6.00	1.67	
Total BTEX	319	3.00	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 197 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/31/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1850	10.0	01/31/2023	ND	190	94.9	200	0.466	
DRO >C10-C28*	3830	10.0	01/31/2023	ND	187	93.3	200	0.00428	
EXT DRO >C28-C36	609	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 171 % 48.2-134

Surrogate: 1-Chlorooctadecane 206 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 7 1' (H230414-26)

BTEX 8021B		mg/kg		Analyzed By: JH/				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/31/2023	ND	2.00	99.9	2.00	1.45		
Toluene*	0.311	0.050	01/31/2023	ND	2.12	106	2.00	1.38		
Ethylbenzene*	0.410	0.050	01/31/2023	ND	2.09	104	2.00	1.13		
Total Xylenes*	2.55	0.150	01/31/2023	ND	6.44	107	6.00	1.67		
Total BTEX	3.27	0.300	01/31/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 142 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/31/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	75.6	10.0	01/31/2023	ND	190	94.9	200	0.466		
DRO >C10-C28*	571	10.0	01/31/2023	ND	187	93.3	200	0.00428		
EXT DRO >C28-C36	118	10.0	01/31/2023	ND						

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 7 2' (H230414-27)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/31/2023	ND	2.00	99.9	2.00	1.45		
Toluene*	<0.050	0.050	01/31/2023	ND	2.12	106	2.00	1.38		
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.09	104	2.00	1.13		
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.44	107	6.00	1.67		
Total BTEX	<0.300	0.300	01/31/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/31/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS							S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	190	94.9	200	0.466			
DRO >C10-C28*	12.9	10.0	01/31/2023	ND	187	93.3	200	0.00428			
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND							

Surrogate: 1-Chlorooctane 232 % 48.2-134

Surrogate: 1-Chlorooctadecane 250 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 8 0-0.5' (H230414-29)

BTEX 8021B		mg/kg		Analyzed By: JH/				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	14.3	1.00	02/01/2023	ND	2.00	99.9	2.00	1.45	
Toluene*	106	1.00	02/01/2023	ND	2.12	106	2.00	1.38	
Ethylbenzene*	31.6	1.00	02/01/2023	ND	2.09	104	2.00	1.13	
Total Xylenes*	153	3.00	02/01/2023	ND	6.44	107	6.00	1.67	
Total BTEX	304	6.00	02/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 146 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	01/31/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	3710	50.0	01/31/2023	ND	190	94.9	200	0.466	
DRO >C10-C28*	11000	50.0	01/31/2023	ND	187	93.3	200	0.00428	
EXT DRO >C28-C36	1850	50.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 436 % 48.2-134

Surrogate: 1-Chlorooctadecane 525 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 8 1' (H230414-30)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	2.00	99.9	2.00	1.45	
Toluene*	0.118	0.050	01/31/2023	ND	2.12	106	2.00	1.38	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.09	104	2.00	1.13	
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.44	107	6.00	1.67	
Total BTEX	<0.300	0.300	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/31/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	190	94.9	200	0.466	
DRO >C10-C28*	29.0	10.0	01/31/2023	ND	187	93.3	200	0.00428	
EXT DRO >C28-C36	26.1	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 8 2' (H230414-31)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	2.00	99.9	2.00	1.45	
Toluene*	<0.050	0.050	01/31/2023	ND	2.12	106	2.00	1.38	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.09	104	2.00	1.13	
Total Xylenes*	0.159	0.150	01/31/2023	ND	6.44	107	6.00	1.67	
Total BTEX	<0.300	0.300	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/31/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	190	94.9	200	0.466	
DRO >C10-C28*	30.8	10.0	01/31/2023	ND	187	93.3	200	0.00428	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 9 0-0.5' (H230414-33)

BTEX 8021B		mg/kg		Analyzed By: JH/				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	16.7	1.00	01/31/2023	ND	2.00	99.9	2.00	1.45	
Toluene*	179	1.00	01/31/2023	ND	2.12	106	2.00	1.38	
Ethylbenzene*	55.8	1.00	01/31/2023	ND	2.09	104	2.00	1.13	
Total Xylenes*	257	3.00	01/31/2023	ND	6.44	107	6.00	1.67	
Total BTEX	508	6.00	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 162 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	01/31/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	3810	10.0	01/31/2023	ND	190	94.9	200	0.466	
DRO >C10-C28*	6400	10.0	01/31/2023	ND	187	93.3	200	0.00428	
EXT DRO >C28-C36	1240	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 267 % 48.2-134

Surrogate: 1-Chlorooctadecane 293 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 9 1' (H230414-34)

BTEX 8021B		mg/kg		Analyzed By: JH/				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	2.00	99.9	2.00	1.45	
Toluene*	0.479	0.050	01/31/2023	ND	2.12	106	2.00	1.38	
Ethylbenzene*	0.531	0.050	01/31/2023	ND	2.09	104	2.00	1.13	
Total Xylenes*	3.13	0.150	01/31/2023	ND	6.44	107	6.00	1.67	
Total BTEX	4.14	0.300	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 143 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/31/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	15.1	10.0	01/31/2023	ND	190	94.9	200	0.466	
DRO >C10-C28*	121	10.0	01/31/2023	ND	187	93.3	200	0.00428	
EXT DRO >C28-C36	49.8	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 9 2' (H230414-35)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	2.00	99.9	2.00	1.45	
Toluene*	0.107	0.050	01/31/2023	ND	2.12	106	2.00	1.38	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.09	104	2.00	1.13	
Total Xylenes*	0.428	0.150	01/31/2023	ND	6.44	107	6.00	1.67	
Total BTEX	0.535	0.300	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/31/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	190	94.9	200	0.466	
DRO >C10-C28*	70.2	10.0	01/31/2023	ND	187	93.3	200	0.00428	
EXT DRO >C28-C36	13.7	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 10 0-.5' (H230414-37)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	2.00	99.9	2.00	1.45	
Toluene*	<0.050	0.050	01/31/2023	ND	2.12	106	2.00	1.38	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.09	104	2.00	1.13	
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.44	107	6.00	1.67	
Total BTEX	<0.300	0.300	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/31/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	190	94.9	200	0.466	
DRO >C10-C28*	118	10.0	01/31/2023	ND	187	93.3	200	0.00428	
EXT DRO >C28-C36	21.7	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 10 1' (H230414-38)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	2.00	99.9	2.00	1.45	
Toluene*	<0.050	0.050	01/31/2023	ND	2.12	106	2.00	1.38	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.09	104	2.00	1.13	
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.44	107	6.00	1.67	
Total BTEX	<0.300	0.300	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/31/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	190	94.9	200	0.466	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	187	93.3	200	0.00428	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 10 2' (H230414-39)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	2.00	99.9	2.00	1.45	
Toluene*	<0.050	0.050	01/31/2023	ND	2.12	106	2.00	1.38	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.09	104	2.00	1.13	
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.44	107	6.00	1.67	
Total BTEX	<0.300	0.300	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/31/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	190	94.9	200	0.466	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	187	93.3	200	0.00428	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 11 0-.5' (H230414-41)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	2.00	99.9	2.00	1.45	
Toluene*	<0.050	0.050	02/02/2023	ND	2.12	106	2.00	1.38	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.09	104	2.00	1.13	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.44	107	6.00	1.67	
Total BTEX	<0.300	0.300	02/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/31/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	190	94.9	200	0.466	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	187	93.3	200	0.00428	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 11 1' (H230414-42)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	2.00	99.9	2.00	1.45	
Toluene*	<0.050	0.050	02/02/2023	ND	2.12	106	2.00	1.38	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.09	104	2.00	1.13	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.44	107	6.00	1.67	
Total BTEX	<0.300	0.300	02/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/31/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2023	ND	190	94.9	200	0.466	
DRO >C10-C28*	<10.0	10.0	02/02/2023	ND	187	93.3	200	0.00428	
EXT DRO >C28-C36	<10.0	10.0	02/02/2023	ND					

Surrogate: 1-Chlorooctane 73.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	TRISTY DRAW 25 CTB (TRISTY)	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY		

Sample ID: S - 11 2' (H230414-43)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	2.00	99.9	2.00	1.45	
Toluene*	<0.050	0.050	01/31/2023	ND	2.12	106	2.00	1.38	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.09	104	2.00	1.13	
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.44	107	6.00	1.67	
Total BTEX	<0.300	0.300	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/31/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2023	ND	193	96.3	200	1.03	
DRO >C10-C28*	<10.0	10.0	01/30/2023	ND	200	100	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	01/30/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: H&R Enterprises
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

BILL TO

ANALYSIS REQUEST

Project Manager: Michael Collier	P.O. #:
Address:	Company: Cimarex Energy
City:	Attn: Lael Luig
State:	Address:
Zip:	City:
Phone #:	State:
Fax #:	Zip:
Project #:	Phone #:
Project Name: Tristy Draw 25 CTB (Tristy)	Fax #:
Project Location: Lea County	
Sampler Name: R. Bell	
Lab I.D.	

Lab I.D.	S-#	Depth	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX										DATE	TIME	BTEX	TPH	Chlorides
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER : ACID/BASE:	ICE / COOL	OTHER :	PRESERV.	SAMPLING					
H23044	21	S-6 0-5'	G	1															
	22	S-6 1'																	
	23	S-6 2'																	
	24	S-6 3' Hold																	
	25	S-7 0-5'																	
	26	S-7 1'																	
	27	S-7 2'																	
	28	S-7 3' Hold																	
	29	S-8 0-5'																	
	30	S-8 1'																	

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Relinquished By: <i>[Signature]</i>	Date: 3-27-23	Received By: <i>[Signature]</i>	Date: 3-27-23
Relinquished By: <i>[Signature]</i>	Date: 3-27-23	Received By: <i>[Signature]</i>	Date: 3-27-23
Delivered By: (Circle One) Sampler - UPS - Bus - Other	Observed Temp. °C Corrected Temp. °C	Sample Condition Cool <input checked="" type="checkbox"/> Ambient <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Checked By: (Initials) <i>[Signature]</i>
Remarks: Pg 3 of 5	Thermometer ID #113 Correction Factor -0.5°C	Standard <input checked="" type="checkbox"/> Backup (only) Standard Condition <input type="checkbox"/> Cool <input type="checkbox"/> Observed Temp. °C	Additional Phone #: <input type="checkbox"/> Yes <input type="checkbox"/> No

† Cardinal cannot accept verbal changes. Please email changes to caley.keem@cardinallabsnm.com

FORM-006 R 3.2 10/07/21



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
 (575) 393-2328 FAX (575) 393-2476

BILL TO

ANALYSIS REQUEST

Company Name: H&R Enterprises
 Project Manager: Michael Collier
 Address: _____
 City: _____ State: _____ Zip: _____
 Phone #: _____ Fax #: _____
 Project #: _____ Project Owner: _____
 Project Name: Tristy Draw 25 CTB (Tristy)
 Project Location: Lea County
 Sampler Name: R. Bell
 P.O. #: _____ Company: Cimarex Energy
 Attn: Lecl Lulg
 Address: _____
 City: _____ State: _____ Zip: _____
 Phone #: _____ Fax #: _____

Lab I.D.	FOR LAB USE ONLY	DATE	TIME	G/RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	BTX	TPH	Chlorides
						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER : ACID/BASE:	ICE / COOL					
123044																	
31	S-8 2'				1												
32	S-8 3' Hold																
33	S-9 0.5'																
34	S-9 1'																
35	S-9 2'																
36	S-9 3' Hold																
37	S-10 0.5'																
38	S-10 1'																
39	S-10 2'																
40	S-10 3' Hold																

PLEASE NOTE: Safety and Compliance (Cardinal) Laboratory and client's retention policy may vary from using standard based or not, and that is listed in the amount and by the client to the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client or subcontractor. Business transactions, loss of use, or loss of profits incurred by client or subcontractor, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: _____ Date: 12/27/23 Received By: _____ Verbal Result: Yes No Add'l Phone #: _____
 Time: 14:35
 Date: _____ Received By: _____ All Results are emailed. Please provide Email address: _____
 Time: _____
 Delivered By: (Circle One) Observed Temp. °C: 0.8 Sample Condition: Cool Hot No No Checked By: (Initials) _____
 Sampler - UPS - Bus - Other: Corrected Temp. °C: 0.2
 Thermometer ID #113 Correction Factor -0.5°C
 Remarks: pg 4 of 5

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FORM-008 R 3.2 10/07/21



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
 (575) 393-2326 FAX (575) 393-2476

Company Name: H&R Enterprises		BILL TO		ANALYSIS REQUEST	
Project Manager: Michael Collier		P.O. #:			
Address:		Company: Cimarex Energy			
City:	State:	Zip:	Attn: Lacl Lufg		
Phone #:	Fax #:	Project Owner:	Address:		
Project #:		City:	State:	Zip:	
Project Name: Tristy Draw 25 CTB (Tristy)		Phone #:			
Project Location: Lea County		Fax #:			
Sampler Name: R. Bell					
Lab I.D.					

Lab I.D.	S-11	0-5'	G	I	MATRIX										DATE	TIME	BTEX	TPH	Chlorides
					(GRAB OR C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER : ACID/BASE:	ICE / COOL	OTHER :					
H230414	41	0-5'																	
	42	S-11 1'																	
	43	S-11 2'																	
	44	S-11 3' Hold																	

RELINQUISHED BY: [Signature] **DATE:** 2-27-23 **RECEIVED BY:** [Signature] **DATE:** 2-27-23

RELINQUISHED BY: [Signature] **RECEIVED BY:** [Signature]

Observed Temp. °C: 0.8 **Corrected Temp. °C:** 0.2

Sample Condition: Cool / Intact **Checked By:** [Signature]

Thermometer ID #113 **Correction Factor -0.3°C**

REMARKS: pg 5 of 5

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FORM-006 R 3.2 10/07/21



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Michael Collier
H & R Enterprises
5120 W Kansas St
Hobbs, New Mexico 88242

Generated 3/6/2023 2:08:52 PM

JOB DESCRIPTION

Triste Draw 25 CTB
SDG NUMBER Lea County NM

JOB NUMBER

890-4169-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220



Eurofins Carlsbad

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
3/6/2023 2:08:52 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: H & R Enterprises
Project/Site: Triste Draw 25 CTB

Laboratory Job ID: 890-4169-1
SDG: Lea County NM

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Definitions/Glossary

Client: H & R Enterprises
Project/Site: Triste Draw 25 CTB

Job ID: 890-4169-1
SDG: Lea County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: H & R Enterprises
Project/Site: Triste Draw 25 CTB

Job ID: 890-4169-1
SDG: Lea County NM

Job ID: 890-4169-1

Laboratory: Eurofins Carlsbad**Narrative****Job Narrative
890-4169-1****Receipt**

The samples were received on 2/22/2023 9:31 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.4°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (890-4169-1), S-2 (890-4169-2), S-3 (890-4169-3), S-4 (890-4169-4), SW-1 (890-4169-5), SW-2 (890-4169-6), SW-3 (890-4169-7) and SW-4 (890-4169-8).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-47633 and analytical batch 880-47785 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-47633 and analytical batch 880-47785. The associated laboratory control sample (LCS) met acceptance criteria.

Method 8021B: The spiking solution was inadvertently omitted during the extraction process for the laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) associated with preparation batch 880-47633; therefore, percent recoveries are unavailable. Due to only needing an LCS or LCSD for qualification, the affected samples were notre-prepared and.or re-analyzed, and the results have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.



Client Sample Results

Client: H & R Enterprises
 Project/Site: Triste Draw 25 CTB

Job ID: 890-4169-1
 SDG: Lea County NM

Client Sample ID: S-1

Lab Sample ID: 890-4169-1

Date Collected: 02/22/23 08:00

Matrix: Solid

Date Received: 02/22/23 09:31

Sample Depth: 1'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1 F1	0.00200		mg/Kg		03/02/23 11:45	03/05/23 00:29	1
Toluene	<0.00200	U F1 *- *1	0.00200		mg/Kg		03/02/23 11:45	03/05/23 00:29	1
Ethylbenzene	<0.00200	U F1 *- *1	0.00200		mg/Kg		03/02/23 11:45	03/05/23 00:29	1
m-Xylene & p-Xylene	<0.00401	U *- *1 F1	0.00401		mg/Kg		03/02/23 11:45	03/05/23 00:29	1
o-Xylene	<0.00200	U *- F1 F2	0.00200		mg/Kg		03/02/23 11:45	03/05/23 00:29	1
Xylenes, Total	<0.00401	U *- F1	0.00401		mg/Kg		03/02/23 11:45	03/05/23 00:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	03/02/23 11:45	03/05/23 00:29	1
1,4-Difluorobenzene (Surr)	87		70 - 130	03/02/23 11:45	03/05/23 00:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/06/23 14:55	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/27/23 12:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/24/23 15:20	02/25/23 03:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/24/23 15:20	02/25/23 03:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/24/23 15:20	02/25/23 03:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	02/24/23 15:20	02/25/23 03:38	1
o-Terphenyl	89		70 - 130	02/24/23 15:20	02/25/23 03:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.2		5.00		mg/Kg			02/27/23 23:51	1

Client Sample ID: S-2

Lab Sample ID: 890-4169-2

Date Collected: 02/22/23 08:00

Matrix: Solid

Date Received: 02/22/23 09:31

Sample Depth: 1'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *- *1	0.00202		mg/Kg		03/02/23 11:45	03/05/23 00:55	1
Toluene	<0.00202	U *- *1	0.00202		mg/Kg		03/02/23 11:45	03/05/23 00:55	1
Ethylbenzene	<0.00202	U *- *1	0.00202		mg/Kg		03/02/23 11:45	03/05/23 00:55	1
m-Xylene & p-Xylene	<0.00403	U *- *1	0.00403		mg/Kg		03/02/23 11:45	03/05/23 00:55	1
o-Xylene	<0.00202	U *-	0.00202		mg/Kg		03/02/23 11:45	03/05/23 00:55	1
Xylenes, Total	<0.00403	U *-	0.00403		mg/Kg		03/02/23 11:45	03/05/23 00:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	03/02/23 11:45	03/05/23 00:55	1

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Client Sample Results

Client: H & R Enterprises
 Project/Site: Triste Draw 25 CTB

Job ID: 890-4169-1
 SDG: Lea County NM

Client Sample ID: S-2

Lab Sample ID: 890-4169-2

Date Collected: 02/22/23 08:00

Matrix: Solid

Date Received: 02/22/23 09:31

Sample Depth: 1'

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	90		70 - 130	03/02/23 11:45	03/05/23 00:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			03/06/23 14:55	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/27/23 12:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/24/23 15:20	02/25/23 04:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/24/23 15:20	02/25/23 04:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/24/23 15:20	02/25/23 04:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	02/24/23 15:20	02/25/23 04:00	1
o-Terphenyl	91		70 - 130	02/24/23 15:20	02/25/23 04:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.1		4.99		mg/Kg			02/27/23 23:57	1

Client Sample ID: S-3

Lab Sample ID: 890-4169-3

Date Collected: 02/22/23 08:00

Matrix: Solid

Date Received: 02/22/23 09:31

Sample Depth: 1'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U * - *1	0.00199		mg/Kg		03/02/23 11:45	03/05/23 01:21	1
Toluene	<0.00199	U * - *1	0.00199		mg/Kg		03/02/23 11:45	03/05/23 01:21	1
Ethylbenzene	<0.00199	U * - *1	0.00199		mg/Kg		03/02/23 11:45	03/05/23 01:21	1
m-Xylene & p-Xylene	<0.00398	U * - *1	0.00398		mg/Kg		03/02/23 11:45	03/05/23 01:21	1
o-Xylene	<0.00199	U * -	0.00199		mg/Kg		03/02/23 11:45	03/05/23 01:21	1
Xylenes, Total	<0.00398	U * -	0.00398		mg/Kg		03/02/23 11:45	03/05/23 01:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	03/02/23 11:45	03/05/23 01:21	1
1,4-Difluorobenzene (Surr)	94		70 - 130	03/02/23 11:45	03/05/23 01:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/06/23 14:55	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/27/23 12:20	1

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Client Sample Results

Client: H & R Enterprises
 Project/Site: Triste Draw 25 CTB

Job ID: 890-4169-1
 SDG: Lea County NM

Client Sample ID: S-3

Lab Sample ID: 890-4169-3

Date Collected: 02/22/23 08:00

Matrix: Solid

Date Received: 02/22/23 09:31

Sample Depth: 1'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/24/23 15:20	02/25/23 04:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/24/23 15:20	02/25/23 04:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/24/23 15:20	02/25/23 04:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				02/24/23 15:20	02/25/23 04:23	1
o-Terphenyl	89		70 - 130				02/24/23 15:20	02/25/23 04:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.6		4.95		mg/Kg			02/28/23 00:15	1

Client Sample ID: S-4

Lab Sample ID: 890-4169-4

Date Collected: 02/22/23 08:00

Matrix: Solid

Date Received: 02/22/23 09:31

Sample Depth: 1'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U * - *1	0.00199		mg/Kg		03/02/23 11:45	03/05/23 01:47	1
Toluene	<0.00199	U * - *1	0.00199		mg/Kg		03/02/23 11:45	03/05/23 01:47	1
Ethylbenzene	<0.00199	U * - *1	0.00199		mg/Kg		03/02/23 11:45	03/05/23 01:47	1
m-Xylene & p-Xylene	<0.00398	U * - *1	0.00398		mg/Kg		03/02/23 11:45	03/05/23 01:47	1
o-Xylene	<0.00199	U * -	0.00199		mg/Kg		03/02/23 11:45	03/05/23 01:47	1
Xylenes, Total	<0.00398	U * -	0.00398		mg/Kg		03/02/23 11:45	03/05/23 01:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				03/02/23 11:45	03/05/23 01:47	1
1,4-Difluorobenzene (Surr)	81		70 - 130				03/02/23 11:45	03/05/23 01:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/06/23 14:55	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/27/23 12:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/24/23 15:20	02/25/23 04:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/24/23 15:20	02/25/23 04:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/24/23 15:20	02/25/23 04:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				02/24/23 15:20	02/25/23 04:45	1
o-Terphenyl	86		70 - 130				02/24/23 15:20	02/25/23 04:45	1

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Client Sample Results

Client: H & R Enterprises
 Project/Site: Triste Draw 25 CTB

Job ID: 890-4169-1
 SDG: Lea County NM

Client Sample ID: S-4

Lab Sample ID: 890-4169-4

Date Collected: 02/22/23 08:00
 Date Received: 02/22/23 09:31
 Sample Depth: 1'

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.5		4.95		mg/Kg			02/28/23 00:21	1

Client Sample ID: SW-1

Lab Sample ID: 890-4169-5

Date Collected: 02/22/23 08:00
 Date Received: 02/22/23 09:31
 Sample Depth: 1'

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200		mg/Kg		03/02/23 11:45	03/05/23 02:14	1
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		03/02/23 11:45	03/05/23 02:14	1
Ethylbenzene	<0.00200	U *- *1	0.00200		mg/Kg		03/02/23 11:45	03/05/23 02:14	1
m-Xylene & p-Xylene	<0.00399	U *- *1	0.00399		mg/Kg		03/02/23 11:45	03/05/23 02:14	1
o-Xylene	<0.00200	U *-	0.00200		mg/Kg		03/02/23 11:45	03/05/23 02:14	1
Xylenes, Total	<0.00399	U *-	0.00399		mg/Kg		03/02/23 11:45	03/05/23 02:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				03/02/23 11:45	03/05/23 02:14	1
1,4-Difluorobenzene (Surr)	88		70 - 130				03/02/23 11:45	03/05/23 02:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/06/23 14:55	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/27/23 12:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/24/23 15:20	02/25/23 05:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/24/23 15:20	02/25/23 05:06	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/24/23 15:20	02/25/23 05:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				02/24/23 15:20	02/25/23 05:06	1
o-Terphenyl	85		70 - 130				02/24/23 15:20	02/25/23 05:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.9		4.97		mg/Kg			02/28/23 00:28	1

Client Sample Results

Client: H & R Enterprises
 Project/Site: Triste Draw 25 CTB

Job ID: 890-4169-1
 SDG: Lea County NM

Client Sample ID: SW-2

Lab Sample ID: 890-4169-6

Date Collected: 02/22/23 08:00

Matrix: Solid

Date Received: 02/22/23 09:31

Sample Depth: 1'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *- *1	0.00201		mg/Kg		03/02/23 11:45	03/05/23 02:40	1
Toluene	<0.00201	U *- *1	0.00201		mg/Kg		03/02/23 11:45	03/05/23 02:40	1
Ethylbenzene	<0.00201	U *- *1	0.00201		mg/Kg		03/02/23 11:45	03/05/23 02:40	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402		mg/Kg		03/02/23 11:45	03/05/23 02:40	1
o-Xylene	<0.00201	U *-	0.00201		mg/Kg		03/02/23 11:45	03/05/23 02:40	1
Xylenes, Total	<0.00402	U *-	0.00402		mg/Kg		03/02/23 11:45	03/05/23 02:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	03/02/23 11:45	03/05/23 02:40	1
1,4-Difluorobenzene (Surr)	88		70 - 130	03/02/23 11:45	03/05/23 02:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/06/23 14:55	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/27/23 12:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/24/23 15:20	02/25/23 05:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/24/23 15:20	02/25/23 05:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/24/23 15:20	02/25/23 05:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	02/24/23 15:20	02/25/23 05:28	1
o-Terphenyl	86		70 - 130	02/24/23 15:20	02/25/23 05:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.8		5.04		mg/Kg			02/28/23 00:34	1

Client Sample ID: SW-3

Lab Sample ID: 890-4169-7

Date Collected: 02/22/23 08:00

Matrix: Solid

Date Received: 02/22/23 09:31

Sample Depth: 1'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199		mg/Kg		03/02/23 11:45	03/05/23 03:06	1
Toluene	<0.00199	U *- *1	0.00199		mg/Kg		03/02/23 11:45	03/05/23 03:06	1
Ethylbenzene	<0.00199	U *- *1	0.00199		mg/Kg		03/02/23 11:45	03/05/23 03:06	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		03/02/23 11:45	03/05/23 03:06	1
o-Xylene	<0.00199	U *-	0.00199		mg/Kg		03/02/23 11:45	03/05/23 03:06	1
Xylenes, Total	<0.00398	U *-	0.00398		mg/Kg		03/02/23 11:45	03/05/23 03:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	03/02/23 11:45	03/05/23 03:06	1

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Client Sample Results

Client: H & R Enterprises
 Project/Site: Triste Draw 25 CTB

Job ID: 890-4169-1
 SDG: Lea County NM

Client Sample ID: SW-3

Lab Sample ID: 890-4169-7

Date Collected: 02/22/23 08:00

Matrix: Solid

Date Received: 02/22/23 09:31

Sample Depth: 1'

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	102		70 - 130	03/02/23 11:45	03/05/23 03:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/06/23 14:55	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/27/23 12:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/24/23 15:20	02/25/23 05:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/24/23 15:20	02/25/23 05:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/24/23 15:20	02/25/23 05:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	02/24/23 15:20	02/25/23 05:49	1
o-Terphenyl	94		70 - 130	02/24/23 15:20	02/25/23 05:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.3		4.99		mg/Kg			02/28/23 00:40	1

Client Sample ID: SW-4

Lab Sample ID: 890-4169-8

Date Collected: 02/22/23 08:00

Matrix: Solid

Date Received: 02/22/23 09:31

Sample Depth: 1'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U * - *1	0.00199		mg/Kg		03/02/23 11:45	03/05/23 03:33	1
Toluene	<0.00199	U * - *1	0.00199		mg/Kg		03/02/23 11:45	03/05/23 03:33	1
Ethylbenzene	<0.00199	U * - *1	0.00199		mg/Kg		03/02/23 11:45	03/05/23 03:33	1
m-Xylene & p-Xylene	<0.00398	U * - *1	0.00398		mg/Kg		03/02/23 11:45	03/05/23 03:33	1
o-Xylene	<0.00199	U * -	0.00199		mg/Kg		03/02/23 11:45	03/05/23 03:33	1
Xylenes, Total	<0.00398	U * -	0.00398		mg/Kg		03/02/23 11:45	03/05/23 03:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	03/02/23 11:45	03/05/23 03:33	1
1,4-Difluorobenzene (Surr)	98		70 - 130	03/02/23 11:45	03/05/23 03:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/06/23 14:55	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/27/23 12:20	1

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Client Sample Results

Client: H & R Enterprises
 Project/Site: Triste Draw 25 CTB

Job ID: 890-4169-1
 SDG: Lea County NM

Client Sample ID: SW-4

Lab Sample ID: 890-4169-8

Date Collected: 02/22/23 08:00

Matrix: Solid

Date Received: 02/22/23 09:31

Sample Depth: 1'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/24/23 15:20	02/25/23 06:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/24/23 15:20	02/25/23 06:10	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/24/23 15:20	02/25/23 06:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				02/24/23 15:20	02/25/23 06:10	1
o-Terphenyl	85		70 - 130				02/24/23 15:20	02/25/23 06:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.6		4.96		mg/Kg			02/28/23 00:46	1

Surrogate Summary

Client: H & R Enterprises
 Project/Site: Triste Draw 25 CTB

Job ID: 890-4169-1
 SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-4169-1	S-1	106	87
890-4169-1 MS	S-1	109	101
890-4169-1 MSD	S-1	17145	21742
		S1+	S1+
890-4169-2	S-2	129	90
890-4169-3	S-3	121	94
890-4169-4	S-4	108	81
890-4169-5	SW-1	128	88
890-4169-6	SW-2	116	88
890-4169-7	SW-3	131 S1+	102
890-4169-8	SW-4	119	98
LCS 880-47633/1-A	Lab Control Sample	119	94
LCSD 880-47633/2-A	Lab Control Sample Dup	119	96
MB 880-47632/5-A	Method Blank	67 S1-	85
MB 880-47633/5-A	Method Blank	71	82

Surrogate Legend
 BFB = 4-Bromofluorobenzene (Surr)
 DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-4169-1	S-1	86	89
890-4169-2	S-2	88	91
890-4169-3	S-3	88	89
890-4169-4	S-4	84	86
890-4169-5	SW-1	82	85
890-4169-6	SW-2	83	86
890-4169-7	SW-3	99	94
890-4169-8	SW-4	82	85
LCS 880-47206/2-A	Lab Control Sample	111	103
LCSD 880-47206/3-A	Lab Control Sample Dup	113	104
MB 880-47206/1-A	Method Blank	118	121

Surrogate Legend
 1CO = 1-Chlorooctane
 OTPH = o-Terphenyl

QC Sample Results

Client: H & R Enterprises
 Project/Site: Triste Draw 25 CTB

Job ID: 890-4169-1
 SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-47632/5-A
 Matrix: Solid
 Analysis Batch: 47785

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 47632

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/02/23 11:31	03/04/23 10:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/02/23 11:31	03/04/23 10:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/02/23 11:31	03/04/23 10:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/02/23 11:31	03/04/23 10:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/02/23 11:31	03/04/23 10:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/02/23 11:31	03/04/23 10:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130	03/02/23 11:31	03/04/23 10:38	1
1,4-Difluorobenzene (Surr)	85		70 - 130	03/02/23 11:31	03/04/23 10:38	1

Lab Sample ID: MB 880-47633/5-A
 Matrix: Solid
 Analysis Batch: 47785

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 47633

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/02/23 11:45	03/05/23 00:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/02/23 11:45	03/05/23 00:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/02/23 11:45	03/05/23 00:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/02/23 11:45	03/05/23 00:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/02/23 11:45	03/05/23 00:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/02/23 11:45	03/05/23 00:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		70 - 130	03/02/23 11:45	03/05/23 00:03	1
1,4-Difluorobenzene (Surr)	82		70 - 130	03/02/23 11:45	03/05/23 00:03	1

Lab Sample ID: LCS 880-47633/1-A
 Matrix: Solid
 Analysis Batch: 47785

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 47633

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09295		mg/Kg		93	70 - 130
Toluene	0.100	0.08689		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.09172		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	0.200	0.1968		mg/Kg		98	70 - 130
o-Xylene	0.100	0.09291		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-47633/2-A
 Matrix: Solid
 Analysis Batch: 47785

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 47633

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.05116	*- *1	mg/Kg		51	70 - 130	58	35

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QC Sample Results

Client: H & R Enterprises
 Project/Site: Triste Draw 25 CTB

Job ID: 890-4169-1
 SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-47633/2-A
 Matrix: Solid
 Analysis Batch: 47785

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 47633

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.03518	*- *1	mg/Kg		35	70 - 130	85	35
Ethylbenzene	0.100	0.009089	*- *1	mg/Kg		9	70 - 130	164	35
m-Xylene & p-Xylene	0.200	0.1357	*- *1	mg/Kg		68	70 - 130	37	35
o-Xylene	0.100	0.06679	*	mg/Kg		67	70 - 130	33	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-4169-1 MS
 Matrix: Solid
 Analysis Batch: 47785

Client Sample ID: S-1
 Prep Type: Total/NA
 Prep Batch: 47633

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U *- *1 F1	0.100	0.07714		mg/Kg		77	70 - 130
Toluene	<0.00200	U F1 *- *1	0.100	0.04719	F1	mg/Kg		47	70 - 130
Ethylbenzene	<0.00200	U F1 *- *1	0.100	0.01702	F1	mg/Kg		17	70 - 130
m-Xylene & p-Xylene	<0.00401	U *- *1 F1	0.200	0.1643		mg/Kg		82	70 - 130
o-Xylene	<0.00200	U *- F1 F2	0.100	0.08334		mg/Kg		83	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-4169-1 MSD
 Matrix: Solid
 Analysis Batch: 47785

Client Sample ID: S-1
 Prep Type: Total/NA
 Prep Batch: 47633

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U *- *1 F1	0.0990	<0.00198	U F1	mg/Kg		0	70 - 130	NC	35
Toluene	<0.00200	U F1 *- *1	0.0990	<0.00198	U F1	mg/Kg		0	70 - 130	NC	35
Ethylbenzene	<0.00200	U F1 *- *1	0.0990	<0.00198	U F1	mg/Kg		0	70 - 130	NC	35
m-Xylene & p-Xylene	<0.00401	U *- *1 F1	0.198	<0.00396	U F1	mg/Kg		0	70 - 130	NC	35
o-Xylene	<0.00200	U *- F1 F2	0.0990	<0.00198	U F1 F2	mg/Kg		2	70 - 130	191	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	17145	S1+	70 - 130
1,4-Difluorobenzene (Surr)	21742	S1+	70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-47206/1-A
 Matrix: Solid
 Analysis Batch: 47130

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 47206

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/24/23 15:20	02/24/23 21:07	1

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QC Sample Results

Client: H & R Enterprises
 Project/Site: Triste Draw 25 CTB

Job ID: 890-4169-1
 SDG: Lea County NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-47206/1-A
 Matrix: Solid
 Analysis Batch: 47130

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 47206

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/24/23 15:20	02/24/23 21:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/24/23 15:20	02/24/23 21:07	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	118		70 - 130	02/24/23 15:20	02/24/23 21:07	1
o-Terphenyl	121		70 - 130	02/24/23 15:20	02/24/23 21:07	1

Lab Sample ID: LCS 880-47206/2-A
 Matrix: Solid
 Analysis Batch: 47130

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 47206

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Diesel Range Organics (Over C10-C28)	1000	947.5		mg/Kg		95	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1-Chlorooctane	111		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: LCSD 880-47206/3-A
 Matrix: Solid
 Analysis Batch: 47130

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 47206

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	949.5		mg/Kg		95	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	955.5		mg/Kg		96	70 - 130	1	20

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1-Chlorooctane	113		70 - 130
o-Terphenyl	104		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-47154/1-A
 Matrix: Solid
 Analysis Batch: 47417

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<5.00	U	5.00		mg/Kg			02/27/23 21:47	1

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QC Sample Results

Client: H & R Enterprises
 Project/Site: Triste Draw 25 CTB

Job ID: 890-4169-1
 SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-47154/2-A
 Matrix: Solid
 Analysis Batch: 47417

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	243.6		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-47154/3-A
 Matrix: Solid
 Analysis Batch: 47417

Client Sample ID: Lab Control Sample Dup
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	241.2		mg/Kg		96	90 - 110	1	20

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QC Association Summary

Client: H & R Enterprises
 Project/Site: Triste Draw 25 CTB

Job ID: 890-4169-1
 SDG: Lea County NM

GC VOA

Prep Batch: 47632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-47632/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 47633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4169-1	S-1	Total/NA	Solid	5035	
890-4169-2	S-2	Total/NA	Solid	5035	
890-4169-3	S-3	Total/NA	Solid	5035	
890-4169-4	S-4	Total/NA	Solid	5035	
890-4169-5	SW-1	Total/NA	Solid	5035	
890-4169-6	SW-2	Total/NA	Solid	5035	
890-4169-7	SW-3	Total/NA	Solid	5035	
890-4169-8	SW-4	Total/NA	Solid	5035	
MB 880-47633/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-47633/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 880-47633/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4169-1 MS	S-1	Total/NA	Solid	5035	
890-4169-1 MSD	S-1	Total/NA	Solid	5035	

Analysis Batch: 47785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4169-1	S-1	Total/NA	Solid	8021B	47633
890-4169-2	S-2	Total/NA	Solid	8021B	47633
890-4169-3	S-3	Total/NA	Solid	8021B	47633
890-4169-4	S-4	Total/NA	Solid	8021B	47633
890-4169-5	SW-1	Total/NA	Solid	8021B	47633
890-4169-6	SW-2	Total/NA	Solid	8021B	47633
890-4169-7	SW-3	Total/NA	Solid	8021B	47633
890-4169-8	SW-4	Total/NA	Solid	8021B	47633
MB 880-47632/5-A	Method Blank	Total/NA	Solid	8021B	47632
MB 880-47633/5-A	Method Blank	Total/NA	Solid	8021B	47633
LCS 880-47633/1-A	Lab Control Sample	Total/NA	Solid	8021B	47633
LCS 880-47633/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	47633
890-4169-1 MS	S-1	Total/NA	Solid	8021B	47633
890-4169-1 MSD	S-1	Total/NA	Solid	8021B	47633

Analysis Batch: 47955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4169-1	S-1	Total/NA	Solid	Total BTEX	
890-4169-2	S-2	Total/NA	Solid	Total BTEX	
890-4169-3	S-3	Total/NA	Solid	Total BTEX	
890-4169-4	S-4	Total/NA	Solid	Total BTEX	
890-4169-5	SW-1	Total/NA	Solid	Total BTEX	
890-4169-6	SW-2	Total/NA	Solid	Total BTEX	
890-4169-7	SW-3	Total/NA	Solid	Total BTEX	
890-4169-8	SW-4	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 47130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4169-1	S-1	Total/NA	Solid	8015B NM	47206

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QC Association Summary

Client: H & R Enterprises
 Project/Site: Triste Draw 25 CTB

Job ID: 890-4169-1
 SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 47130 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4169-2	S-2	Total/NA	Solid	8015B NM	47206
890-4169-3	S-3	Total/NA	Solid	8015B NM	47206
890-4169-4	S-4	Total/NA	Solid	8015B NM	47206
890-4169-5	SW-1	Total/NA	Solid	8015B NM	47206
890-4169-6	SW-2	Total/NA	Solid	8015B NM	47206
890-4169-7	SW-3	Total/NA	Solid	8015B NM	47206
890-4169-8	SW-4	Total/NA	Solid	8015B NM	47206
MB 880-47206/1-A	Method Blank	Total/NA	Solid	8015B NM	47206
LCS 880-47206/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47206
LCSD 880-47206/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47206

Prep Batch: 47206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4169-1	S-1	Total/NA	Solid	8015NM Prep	
890-4169-2	S-2	Total/NA	Solid	8015NM Prep	
890-4169-3	S-3	Total/NA	Solid	8015NM Prep	
890-4169-4	S-4	Total/NA	Solid	8015NM Prep	
890-4169-5	SW-1	Total/NA	Solid	8015NM Prep	
890-4169-6	SW-2	Total/NA	Solid	8015NM Prep	
890-4169-7	SW-3	Total/NA	Solid	8015NM Prep	
890-4169-8	SW-4	Total/NA	Solid	8015NM Prep	
MB 880-47206/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47206/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47206/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 47322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4169-1	S-1	Total/NA	Solid	8015 NM	
890-4169-2	S-2	Total/NA	Solid	8015 NM	
890-4169-3	S-3	Total/NA	Solid	8015 NM	
890-4169-4	S-4	Total/NA	Solid	8015 NM	
890-4169-5	SW-1	Total/NA	Solid	8015 NM	
890-4169-6	SW-2	Total/NA	Solid	8015 NM	
890-4169-7	SW-3	Total/NA	Solid	8015 NM	
890-4169-8	SW-4	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 47154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4169-1	S-1	Soluble	Solid	DI Leach	
890-4169-2	S-2	Soluble	Solid	DI Leach	
890-4169-3	S-3	Soluble	Solid	DI Leach	
890-4169-4	S-4	Soluble	Solid	DI Leach	
890-4169-5	SW-1	Soluble	Solid	DI Leach	
890-4169-6	SW-2	Soluble	Solid	DI Leach	
890-4169-7	SW-3	Soluble	Solid	DI Leach	
890-4169-8	SW-4	Soluble	Solid	DI Leach	
MB 880-47154/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-47154/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-47154/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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QC Association Summary

Client: H & R Enterprises
Project/Site: Triste Draw 25 CTB

Job ID: 890-4169-1
SDG: Lea County NM

HPLC/IC

Analysis Batch: 47417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4169-1	S-1	Soluble	Solid	300.0	47154
890-4169-2	S-2	Soluble	Solid	300.0	47154
890-4169-3	S-3	Soluble	Solid	300.0	47154
890-4169-4	S-4	Soluble	Solid	300.0	47154
890-4169-5	SW-1	Soluble	Solid	300.0	47154
890-4169-6	SW-2	Soluble	Solid	300.0	47154
890-4169-7	SW-3	Soluble	Solid	300.0	47154
890-4169-8	SW-4	Soluble	Solid	300.0	47154
MB 880-47154/1-A	Method Blank	Soluble	Solid	300.0	47154
LCS 880-47154/2-A	Lab Control Sample	Soluble	Solid	300.0	47154
LCSD 880-47154/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	47154

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Lab Chronicle

Client: H & R Enterprises
 Project/Site: Triste Draw 25 CTB

Job ID: 890-4169-1
 SDG: Lea County NM

Client Sample ID: S-1

Lab Sample ID: 890-4169-1

Date Collected: 02/22/23 08:00

Matrix: Solid

Date Received: 02/22/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	47633	03/02/23 11:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47785	03/05/23 00:29	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			47955	03/06/23 14:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47322	02/27/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47206	02/24/23 15:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47130	02/25/23 03:38	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47154	02/24/23 10:36	KS	EET MID
Soluble	Analysis	300.0		1			47417	02/27/23 23:51	CH	EET MID

Client Sample ID: S-2

Lab Sample ID: 890-4169-2

Date Collected: 02/22/23 08:00

Matrix: Solid

Date Received: 02/22/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	47633	03/02/23 11:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47785	03/05/23 00:55	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			47955	03/06/23 14:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47322	02/27/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47206	02/24/23 15:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47130	02/25/23 04:00	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47154	02/24/23 10:36	KS	EET MID
Soluble	Analysis	300.0		1			47417	02/27/23 23:57	CH	EET MID

Client Sample ID: S-3

Lab Sample ID: 890-4169-3

Date Collected: 02/22/23 08:00

Matrix: Solid

Date Received: 02/22/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	47633	03/02/23 11:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47785	03/05/23 01:21	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			47955	03/06/23 14:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47322	02/27/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47206	02/24/23 15:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47130	02/25/23 04:23	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47154	02/24/23 10:36	KS	EET MID
Soluble	Analysis	300.0		1			47417	02/28/23 00:15	CH	EET MID

Client Sample ID: S-4

Lab Sample ID: 890-4169-4

Date Collected: 02/22/23 08:00

Matrix: Solid

Date Received: 02/22/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	47633	03/02/23 11:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47785	03/05/23 01:47	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			47955	03/06/23 14:55	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: H & R Enterprises
 Project/Site: Triste Draw 25 CTB

Job ID: 890-4169-1
 SDG: Lea County NM

Client Sample ID: S-4

Lab Sample ID: 890-4169-4

Date Collected: 02/22/23 08:00

Matrix: Solid

Date Received: 02/22/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			47322	02/27/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47206	02/24/23 15:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47130	02/25/23 04:45	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47154	02/24/23 10:36	KS	EET MID
Soluble	Analysis	300.0		1			47417	02/28/23 00:21	CH	EET MID

Client Sample ID: SW-1

Lab Sample ID: 890-4169-5

Date Collected: 02/22/23 08:00

Matrix: Solid

Date Received: 02/22/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	47633	03/02/23 11:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47785	03/05/23 02:14	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			47955	03/06/23 14:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47322	02/27/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47206	02/24/23 15:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47130	02/25/23 05:06	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47154	02/24/23 10:36	KS	EET MID
Soluble	Analysis	300.0		1			47417	02/28/23 00:28	CH	EET MID

Client Sample ID: SW-2

Lab Sample ID: 890-4169-6

Date Collected: 02/22/23 08:00

Matrix: Solid

Date Received: 02/22/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	47633	03/02/23 11:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47785	03/05/23 02:40	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			47955	03/06/23 14:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47322	02/27/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47206	02/24/23 15:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47130	02/25/23 05:28	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	47154	02/24/23 10:36	KS	EET MID
Soluble	Analysis	300.0		1			47417	02/28/23 00:34	CH	EET MID

Client Sample ID: SW-3

Lab Sample ID: 890-4169-7

Date Collected: 02/22/23 08:00

Matrix: Solid

Date Received: 02/22/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	47633	03/02/23 11:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47785	03/05/23 03:06	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			47955	03/06/23 14:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47322	02/27/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47206	02/24/23 15:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47130	02/25/23 05:49	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: H & R Enterprises
 Project/Site: Triste Draw 25 CTB

Job ID: 890-4169-1
 SDG: Lea County NM

Client Sample ID: SW-3

Lab Sample ID: 890-4169-7

Date Collected: 02/22/23 08:00

Matrix: Solid

Date Received: 02/22/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	47154	02/24/23 10:36	KS	EET MID
Soluble	Analysis	300.0		1			47417	02/28/23 00:40	CH	EET MID

Client Sample ID: SW-4

Lab Sample ID: 890-4169-8

Date Collected: 02/22/23 08:00

Matrix: Solid

Date Received: 02/22/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	47633	03/02/23 11:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47785	03/05/23 03:33	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			47955	03/06/23 14:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47322	02/27/23 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47206	02/24/23 15:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47130	02/25/23 06:10	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	47154	02/24/23 10:36	KS	EET MID
Soluble	Analysis	300.0		1			47417	02/28/23 00:46	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: H & R Enterprises
Project/Site: Triste Draw 25 CTB

Job ID: 890-4169-1
SDG: Lea County NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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Method Summary

Client: H & R Enterprises
 Project/Site: Triste Draw 25 CTB

Job ID: 890-4169-1
 SDG: Lea County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: H & R Enterprises
Project/Site: Triste Draw 25 CTB

Job ID: 890-4169-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-4169-1	S-1	Solid	02/22/23 08:00	02/22/23 09:31	1'
890-4169-2	S-2	Solid	02/22/23 08:00	02/22/23 09:31	1'
890-4169-3	S-3	Solid	02/22/23 08:00	02/22/23 09:31	1'
890-4169-4	S-4	Solid	02/22/23 08:00	02/22/23 09:31	1'
890-4169-5	SW-1	Solid	02/22/23 08:00	02/22/23 09:31	1'
890-4169-6	SW-2	Solid	02/22/23 08:00	02/22/23 09:31	1'
890-4169-7	SW-3	Solid	02/22/23 08:00	02/22/23 09:31	1'
890-4169-8	SW-4	Solid	02/22/23 08:00	02/22/23 09:31	1'

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Environment Testing
Xenco

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: _____

www.xenco.com Page _____ of _____

Project Manager:	M. Collier	Bill to: (if different)	CIMPLEX ENERGY
Company Name:	H R Enterprises	Company Name:	ATTN: RALPH
Address:		Address:	
City, State Zip:		City, State Zip:	
Phone:		Email:	

Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting:	Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____

Project Name:	TRISTE DRUM 25 CRT	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	
Project Number:	(TRISTE)	Due Date:			
Project Location:	LFA COUNTY, NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	M. COLLIER	Temp Blank:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID:	11111111
PO #:		Wet Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Correction Factor:	-0.0
SAMPLE RECEIPT		Temperature Reading:		Sample Custody Seals:	Yes No N/A
Samples Received Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Corrected Temperature:		Total Containers:	
Cooler Custody Seals:	Yes No N/A				
Sample Custody Seals:	Yes No N/A				



890-4169 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Preservative Codes	Sample Comments
S-1	Soil	2/22/23		1'	G	1	BTEX TPH Chlorides	None: NO DI Water: H ₂ O Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NASO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SACP	
S-2									
S-3									
S-4									
SM-1									
SM-2									
SM-3									
SM-4									

Total 200.7 / 6010 200.8 / 6020: BRCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : BRCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Note: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>M. Collier</i>	<i>Oliver</i>	2-28-23 9:31			

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Eurofins Carlsbad

1089 N Canal St
 Carlsbad, NM 88220
 Phone: 575-988-3199 Fax 575-988-3199

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler	Lab PM	Carrier Tracking No(s)	COC No:
Client Contact: Eurofins Environment Testing South Cent		Phone	Kramer Jessica		890-1144-1
Shipping/Receiving			E-Mail: Jessica.Kramer@tel.eurofins.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Cent		Due Date Requested	Accreditations Required (See note): NELAP - Texas		Job #: 890-4169-1
Address: 1211 W Florida Ave		2/28/2023	Analysis Requested		
City: Midland		TAT Requested (days)			
State/Zip: TX 79701			A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2OAS E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amnolite S H2SO4 H Ascorbic Acid T TSP Dodecylrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Y Triama Z other (specify)		
Project Name: Triste Draw 26 CTB		Project #:	Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> 8021B/6036FP_Calc BTEX Total_BTEX_GCV 8015MOD_Calc 8015MOD_NM/8015NM_S_Prep Full TPH 300_ORGFM_28D/DI_LEACH Chloride		
Site		SSOW#:	Total Number of containers <input checked="" type="checkbox"/>		
Sample Identification - Client ID (Lab ID)					
S-1 (890-4169-1)	2/22/23	08 00	Mountain	Solid	1
S-2 (890-4169-2)	2/22/23	08 00	Mountain	Solid	1
S-3 (890-4169-3)	2/22/23	08 00	Mountain	Solid	1
S-4 (890-4169-4)	2/22/23	08 00	Mountain	Solid	1
SW-1 (890-4169-5)	2/22/23	08 00	Mountain	Solid	1
SW-2 (890-4169-6)	2/22/23	08 00	Mountain	Solid	1
SW-3 (890-4169-7)	2/22/23	08 00	Mountain	Solid	1
SW-4 (890-4169-8)	2/22/23	08 00	Mountain	Solid	1

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/mark being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification

Unconfirmed Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2

Special Instructions/IOC Requirements: Return To Client Disposal By Lab Archive For Months

Empty Kit Relinquished by: Date: Time: Method of Shipment: Date/Time: Company:

Relinquished by: *[Signature]* Date/Time: Received by: *[Signature]* Date/Time: Company:

Relinquished by: Date/Time: Received by: Date/Time: Company:

Relinquished by: Date/Time: Received by: Date/Time: Company:

Custody Seals Intact: Custody Seal No. Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

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Eurofins Carlsbad

1089 N Canal St
 Carlsbad NM 88220
 Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler	Lab PM	COC No
Client Contact: Shipping/Receiving		Phone	Kramer Jessica	890-1144 2
Company: Eurofins Environment Testing South Cent			E-Mail: Jessica.Kramer@et.eurofins.com	Page 2 of 2
Address: 1211 W Florida Ave		Due Date Requested	Accreditations Required (See note): NELAP - Texas	Job #:
City: Midland		2/27/2023		890-4167-1
State Zip: TX 79701		TAT Requested (days):	Carrier Tracking No(s)	Preservation Codes
Phone: 432-704-5440 (Tel)			New Mexico	A HCL B NaOH C Zn Acetate D Nitric Acid E NaHSO4 F MeOH G Amherst H Acetic Acid I Ice J DI Water K EDTA L EDA Other:
Email:		Project #:		M Hexane N None O ASN2 P Na2O4S Q Na2SO3 R Na2S2O3 S H2SO4 T TSP Dodecylhydrate U Acetone V MCAA W pH 4-5 Y Trizma Z other (specify)
Project Name: Remuda 4 24 30 CTB		SSOV#:		
Site:				
Sample Identification - Client ID (Lab ID)				
FS10 (890-4167-10)	2/21/23	11 10	Mountain	Solid
SW01 (890-4167-11)	2/21/23	11 15	Mountain	Solid
SW02 (890-4167-12)	2/21/23	11 20	Mountain	Solid
SW03 (890-4167-13)	2/21/23	11 25	Mountain	Solid
SW04 (890-4167-14)	2/21/23	11 30	Mountain	Solid
Field Filtered Sample (Yes or No)				
Perform MS/MSD (Yes or No)				
8016MOD_NM/8016NM_S_Prep (MOD) Full TPH				
8016MOD_Calc				
300_ORGFM_28D/DI_LEACH Chloride				
8021B/6036FP_Calc (MOD) BTEX				
Total_BTEX_GCV				
Total Number of containers				
Special Instructions/Note:				

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyze & accreditation compliance upon our subcontracted laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/est/mark being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification

Unconfirmed

Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank: 2

Special Instructions/QC Requirements

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Months

Empty Kit Relinquished by: _____ Date/Time: _____ Company: _____ Method of Shipment: _____

Relinquished by: *See* Date/Time: _____ Company: _____

Relinquished by: _____ Date/Time: _____ Company: _____

Relinquished by: _____ Date/Time: _____ Company: _____

Custody Seals Intact: _____ Custody Seal No _____ Cooler Temperature(s) °C and Other Remarks _____

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: H & R Enterprises

Job Number: 890-4169-1
SDG Number: Lea County NM

Login Number: 4169
List Number: 1
Creator: Stutzman, Amanda

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Login Sample Receipt Checklist

Client: H & R Enterprises

Job Number: 890-4169-1
SDG Number: Lea County NM

Login Number: 4169
List Number: 2
Creator: Teel, Brianna

List Source: Eurofins Midland
List Creation: 02/23/23 11:07 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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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 201173

CONDITIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 201173
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Please note release was not entirely addressed. S-5 contained a TEX concentration of 148 mg/kg. Please address this location during P&A activities.	5/1/2023