Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nRM2014961908
District RP	
Facility ID	
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: Stephen Curtis Jr Title: Operations Support / Remediation Specialist

Signature: [signature] Date:

email: Jr.Curtis@Contango.com Telephone: 575-420-8175

OCD Only

Received by: Chad Hensley Date: 08/31/2021

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: Chad Hensley Date: 08/31/2021

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

TABLE OF CONTENTS

Contango Resources, Inc.
301 NW 63rd, Suite 300
Oklahoma City, OK 73116
Ph: (405) 252-5777 / Fax: (855) 491-9026

CLOSURE REPORT

CONTANGO RESOURCES
Sara Johnston Battery
Lea County, New Mexico
Unit Letter "O", Section 22, Township 22 South, Range 37 East
Latitude 32.37197 North, Longitude 103.14902 West
NMOCD Reference No. nRM2014961908

Prepared By:

Stephen Curtis Jr

7-21-2021

Contango

Contango Resources, Inc.
ENVIRONMENTAL REMED1ATION REPORT

DATE: 5-18-2021

RE: Final Closure Report

Sara Johnston Battery
Lea County, New Mexico
Unit Letter "O", Section 22, Township 22 South, Range 37 East
Latitude 32.37197 North, Longitude 103.14902 West
NMOCD Reference No. nRM2014961908

To whom it may concern:

The following *Final Closure Report* serves as a condensed update on closure activities for the above referenced Site.

Background Information:

On 5/27/2020 Grizzly reported a spill caused by a check valve failure resulting in the PW tank running over. Releasing 48.7 bbls with 40 recovered. Etech conducted an initial site assessment. Where samples were taken, finding SP-1, SP-2 and SP-3 high chlorides on surface. SP-4 and SP-5 with High TPH and GRO + DRO at surface. Contango took over the asset Feb 1, 2021 and assumed this clean up.

Remediation Activities:

On May 24, 2021 the release area was excavated to a depth of 0.5"- 1' around sample points FS 7,FS 8, FS 9, FS 10 and FS 12 around equipment on West side of location and 0.3”-0.5” inches around tanks on East side of location. With approximately 35 yards of contaminated soil excavated and hauled to a state approved facility for disposal. Area was dug with machinery where possible and continued with hand equipment, See attached pictures ‘Appendix D’. Took 26 samples from excavated area with laboratory analytical results indicating that BTEX, TPH, and Chloride concentrations are below the NMOCD closure Criteria. Attached ‘Appendix B’.

Closure Activities:

After excavation activities were completed the excavation was backfilled with approximately 35 yards of clean caliche. All soil was free of rocks, clumps or deleterious material. Attached ‘Appendix D’

Contango

Closure Request:

Based upon the date collected and the Site work completed by Contango, COC's have been both vertically and horizontally delineated.

Based on the success of the response actions which are affirmed by certified laboratory analytical results, no additional remediation is necessary at this time. Copies of the Initial and Final C-141 are provided.

Contango respectfully requests closure of the Site.

Incident ID	
District RP	
Facility ID	
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?	60 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ 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)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ 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?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ 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

Incident ID	
District RP	
Facility ID	
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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: Carmen E Pitt Title: Senior HSE Specialist

Signature: _____ Date: _____

email: cpitt@grizzlyenergyllc.com Telephone: 432-248-8145

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ☑ Detailed description of proposed remediation technique
- ☑ Scaled sitemap with GPS coordinates showing delineation points
- ☑ Estimated volume of material to be remediated
- ☑ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☑ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☑ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☑ Extents of contamination must be fully delineated.

☑ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Carmen E Pitt Title: Senior HSE Specialist

Signature: _____ Date: _____

email: cpitt@grizzlyenergyllc.com Telephone: 432-248-8145

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Site Assessment Report,
Proposed Remediation Workplan and Deferral Request

Grizzly Energy, LLC
Sarah Johnston #1
Lea County, New Mexico
Unit Letter O, Section 22, Township 22 South, Range 37 East
Latitude 32.37197 North, Longitude 103.14902 West
NMOCD Reference No. Pending

Prepared By:

Etech Environmental & Safety Solutions, Inc.
3100 Plains Highway
Lovington, New Mexico 88260

Matthew Grieco

Joel W. Lowry

ETECH Environmental & Safety Solutions, Inc.

Midland • San Antonio • Lubbock • Lovington • Lafayette

TABLE OF CONTENTS

1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Grizzly Energy, LLC, has prepared this Report for the Release Site known as the Sarah Johnston #1. Details of the release are summarized below:

Location of Release Source

Latitude: 32.37197 Longitude: -103.14902

Provided GPS are in WGS84 format.

Site Name:	Sarah Johnston #1	Site Type:	Tank Battery
Date Release Discovered:	5/18/2020	API # (if applicable):	N/A

Unit Letter	Section	Township	Range	County
O	22	22S	37E	Lea

Surface Owner: [ ] State [ ] Federal [ ] Tribal [X] Private (Name William E Johnston)

Nature and Volume of Release

[ ] Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
[X] Produced Water	Volume Released (bbls) 48.7	Volume Recovered (bbls) 40
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?	[X] Yes [ ] No [ ] N/A
[ ] Condensate	Volume Released (bbls)	Volume Recovered (bbls)
[ ] Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
[ ] Other (describe)	Volume/Weight Released	Volume/Weight Recovered

Cause of Release:
Failure of a check valve resulting in the tank to overflow

Initial Response

- [X] The source of the release has been stopped.
- [X] The impacted area has been secured to protect human health and the environment.
- [X] Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices
- [X] All free liquids and recoverable materials have been removed and managed appropriately.

Previously submitted portions of the NMOCD Form C-141 are available on the NMOCD Imaging System.

2.0 SITE CHARACTERIZATION

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half mile radius of the Release Site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. Depth to groundwater information is provided as Appendix A.

What is the shallowest depth to groundwater beneath the area affected by the release?	>50
Did the release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ 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?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?	☐ Yes ☒ 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?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production or storage site?	☐ Yes ☒ No

NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted on Figures 1 & 2.

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, inferred depth to groundwater and NMOCD Siting Criteria, the NMOCD Closure Criteria for the Site is as follows:

Closure Criteria for Soil Impacted by a Release			
Probable Depth to Groundwater	**Constituent**	**Method**	**Limit**
>50	Chloride	EPA 300.0 or SM4500 Cl B	10000 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	2500 mg/kg
	DRO + GRO	EPA SW-846 Method 8015M	1000 mg/kg
	BTEX	EPA SW-846 Methods 8021b or 8260b	50 mg/kg
	Benzene	EPA SW-846 Methods 8021b or 8260b	10 mg/kg

4.0 INITIAL SITE ASSESSMENT

On May 27, 2020**,** Etech conducted an initial site assessment. During the initial site assessment, a series of hand-augered soil bores and/or test trenches were advanced within the release margins in an effort to determine the vertical extent of soil impacts. In addition, hand-augered soil bores and/or test trenches were advanced at the inferred edges of the affected area in an effort to determine the horizontal extent of soil impacts. During the advancement of the hand-augered soil bores, field soil samples were collected and field-screened for the presence of Volatile Organic Compounds utilizing a Photoionization Detector (PID) and/or concentrations of chloride utilizing a Hach Quantab ® chloride test kit. A "Site & Sample Location Map" is provided as Figure 3. Field data and soil profile logs, if applicable, are provided as Appendix B.

Based on field observations and field test data, twenty-six (26) delineation soil samples (SW-Surf, EW-1', NW1-Surf, NW1-1', NW2-Surf, NW2-1', NW3-Surf, NW3-1', WW-Surf, WW-1', SW1-Surf, SW1-1', SW2-Surf, SW2-1', SW3-Surf, SW3-1', SP-1 Surf, SP-1-1', SP2-Surf, SP2-1', SP3-Surf, SP3-1', SP-4 Surf, SP-4-1', SP-5 Surf, SP 5 1') were submitted to the laboratory for analysis of BTEX, TPH and/or Chloride. Based on laboratory analytical results, soil was not affected above the NMOCD Closure Criteria beyond 1 Ft bgs in the areas characterized by sample points SP1, SP2, SP3, SP4, and SP5; and the horizontal extent of affected soil impacted above the NMOCD Closure Criteria was adequately defined. A "Soil Chemistry Table" is provided as Table 1. Laboratory Analytical Reports are provided in Appendix C.

5.0 PROPOSED REMEDIATION PLAN

Based on laboratory analytical results, site characteristics and field observations made during the initial site assessment, Grizzly Energy, LLC proposes the following remediation activities designed to advance the Site toward an approved closure:

•Utilizing mechanical equipment, excavate impacted soil affected above the NMOCD Closure Criteria in the area characterized by sample points SP1, SP2, SP3, SP4, and SP5 to an estimated depth of 1 Ft. BGS.
•The floor and sidewalls of the excavated area will be advanced until laboratory analytical results indicate BTEX, TPH and chloride concentrations are below the NMOCD Closure Criteria or to the maximum extent practicable.
•Excavated soil will be transported to an NMOCD-permitted surface waste facility for disposal.
•Upon receiving laboratory analytical results from excavation confirmation soil samples, backfill the excavated area with locally sourced, non-impacted "like" material.
•Impacted soil affected above the NMOCD Closure Criteria remaining in-situ adjacent to the above ground storage tanks and associated equipment will be remediated upon abandoning and decommissioning the facility.
•Upon completion of remediation activities, a *Remediation Summary and Deferral Request* will be prepared detailing field activities and laboratory analytical results from confirmation soil samples.

6.0 SAMPLING PLAN

Upon completion of excavation activities, representative five-point composite excavation confirmation soil samples will be collected from the excavation sidewalls in each cardinal direction, representing no more than 50 linear ft. A minimum of one (1) representative five-point composite excavation confirmation soil sample will be collected from the base of the excavated area representing every 500 square feet. Additional, discrete grab samples will be collected from wet or visibly stained areas inferred to have been affected by the release, as necessary.

7.0 TIMELINE AND ESTIMATED VOLUME OF SOIL TO BE REMEDIATED

Remediation activities are expected to be completed within 90 days of receiving necessary approval(s) of the Site Assessment Report, Proposed Remediation Workplan and Deferral Request. Based on laboratory analytical results, site characteristics and field observations made during the initial site assessment it is estimated that approximately 122 cubic yards is in need of removal.

8.0 RESTORATION, RECLAMATION AND RE-VEGETATION PLAN

Areas affected by remediation and closure activities will be substantially restored to the condition that existed prior to the release, to the extent practicable. Excavated areas will be backfilled with locally sourced, non-impacted "like" material placed at or near original relative positions. The affected area will be contoured and/or compacted to achieve erosion control, stability and preservation of surface water flow to the extent practicable. Affected areas not on production pads and/or lease roads will be reseeded with an agency and/or landowner-approved seed mixture during the first favorable growing season following closure of the site.

9.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this Site Assessment Report and Proposed Remediation Plan to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents reference in the report and on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. Etech has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Grizzly Energy, LLC. Use of the information contained in this report is prohibited without the consent of Etech and/or Grizzly Energy, LLC.

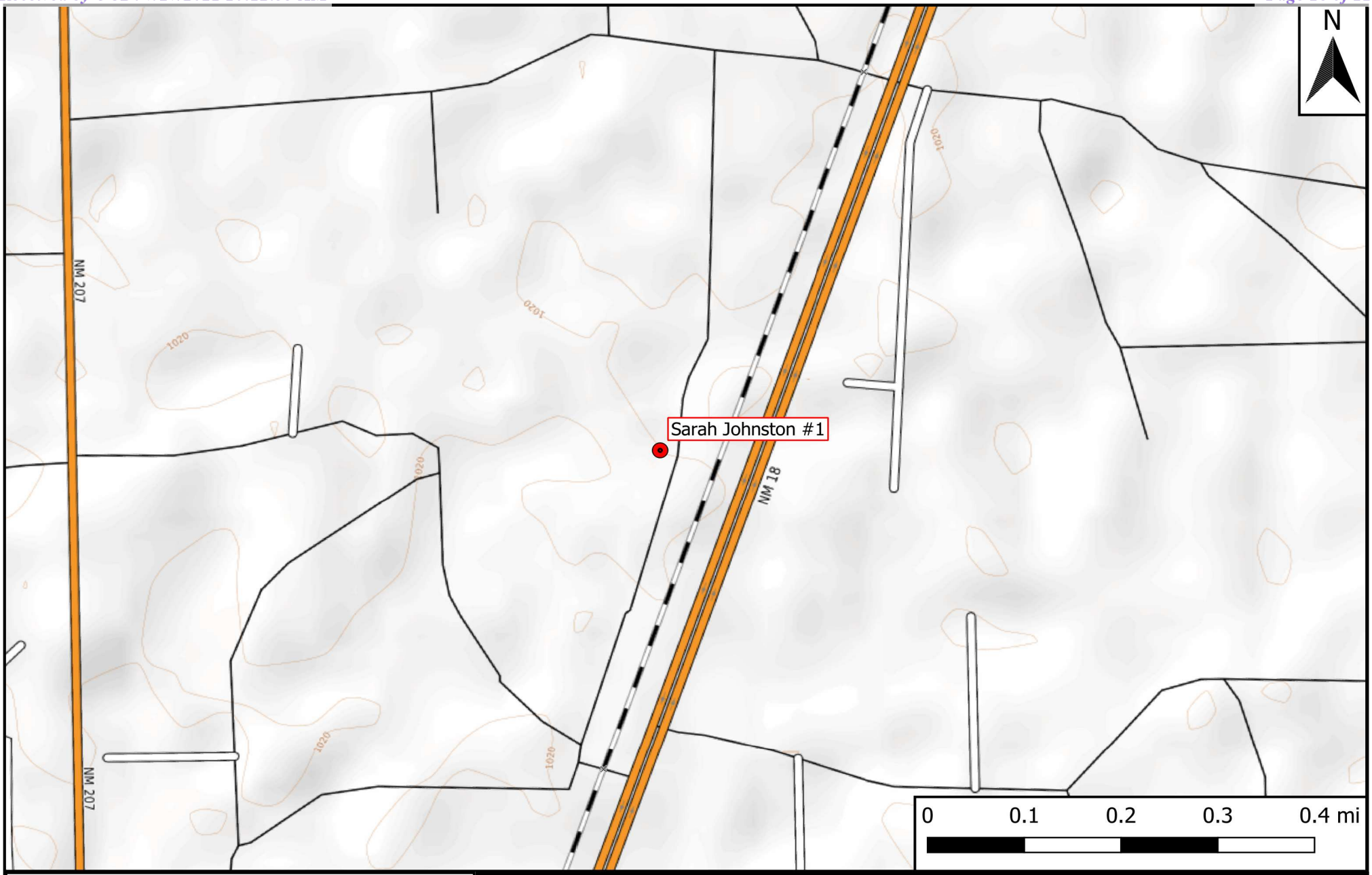
10.0 DISTRIBUTION

Grizzly Energy, LLC
4001 Penbrook
Suite 201
Odessa, TX 79762

New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
1220 South St. Francis Drive
Santa Fe, NM 87505

(Electronic Submission)

Figure 1
Topographic Map



Legend

Site Location

Figure 1

Topographic Map

Grizzly Energy, LLC

Sarah Johnston #1

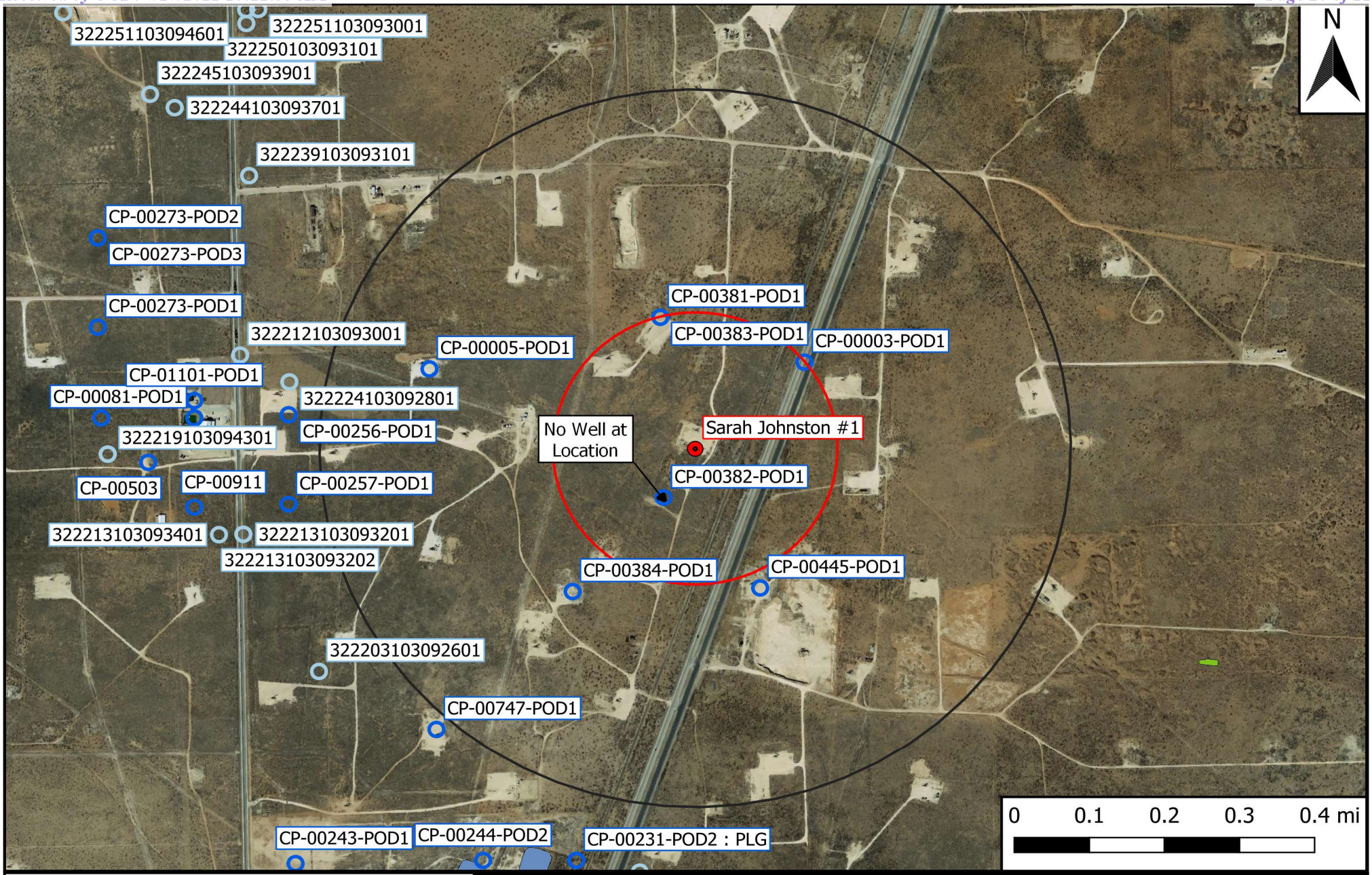
GPS: 32.371978, -103.149028

Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 5/20/20

Figure 2
Aerial Proximity Map



Legend

- Site Location
- Well - NMOSE
- Well - USGS
- High Karst
- Potash Mine Workings
- 0.5 Mi Radius
- 1000 Ft Radius
- 1% Annual Flood Chance
- Lake/Freshwater Pond
- Emergent/Forested Wetlands
- Riverine

Figure 2
Aerial Map
Grizzly Energy, LLC
Sarah Johnston #1
GPS: 32.37197, -103.14902
Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 6/3/20

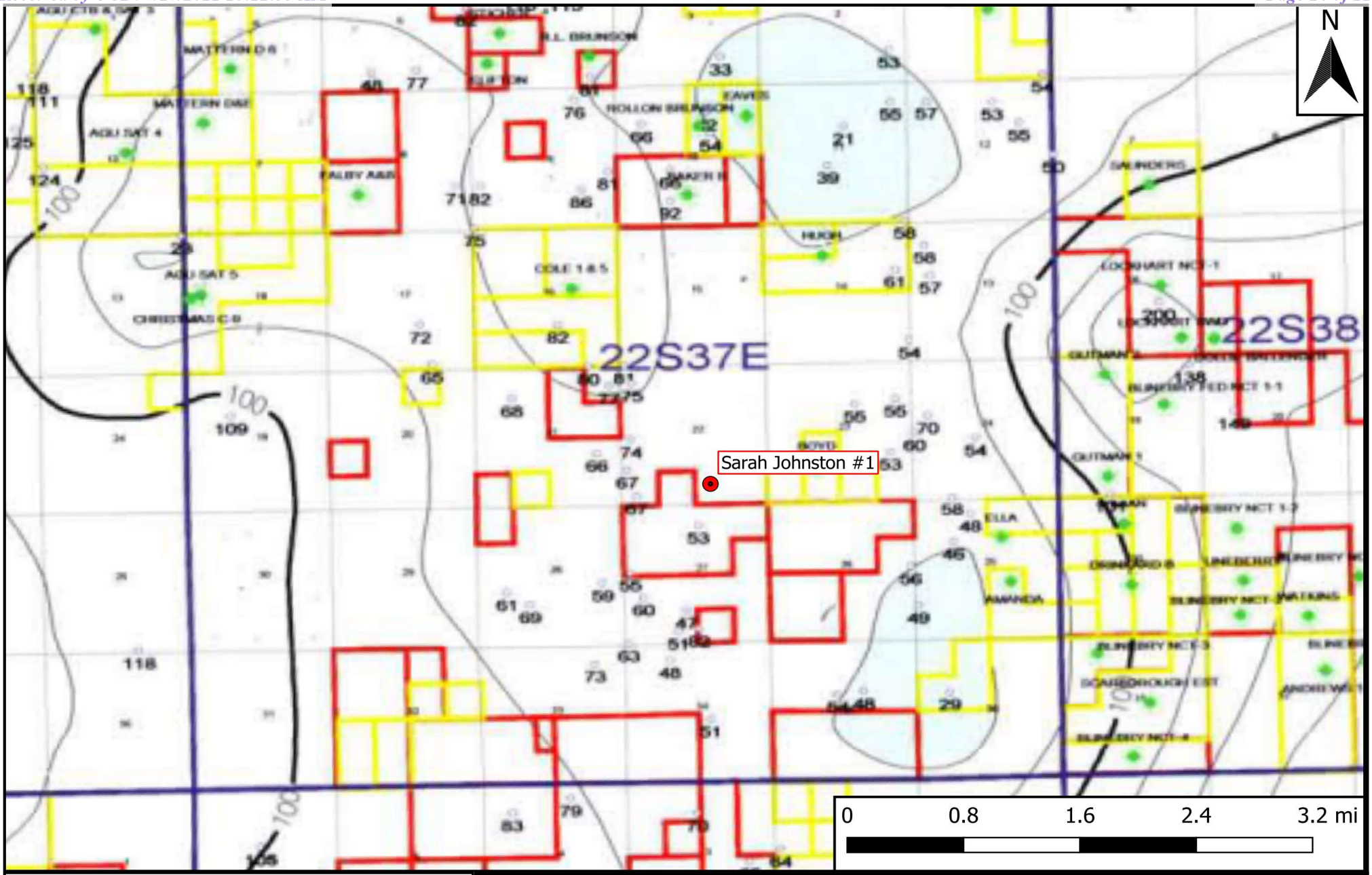
Figure 3
Site and Sample Location Map

Google Earth

SW 10
FS 10
SW 11
SW 12
FS 9
SW 9
FS 7
SW 13
FS 8
SW 14
SW 8
FS 12
FS 5
FS 4
FS 3
SW 1
SW 2
SW 7
FS 6
FS 11
FS 1
SW 6
FS 2
SW 3
SW 5
SW 4

103°08'58"W

Appendix A
Depth to Groundwater Information



Legend

Site Location

Figure 4

Inferred Depth to Groundwater Trend Map

Grizzly Energy, LLC

Sarah Johnston #1

GPS: 32.371978, -103.149028

Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 5/20/20

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 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00003 POD1		CP	LE			4	22	22S	37E	674372	3583367*	303	142	110	32

Average Depth to Water: **110 feet**

Minimum Depth: **110 feet**

Maximum Depth: **110 feet**

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 674137.69 **Northing (Y):** 3583174.2 **Radius:** 804.67

***UTM location was derived from PLSS - see Help**

5/20/20 1:15 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

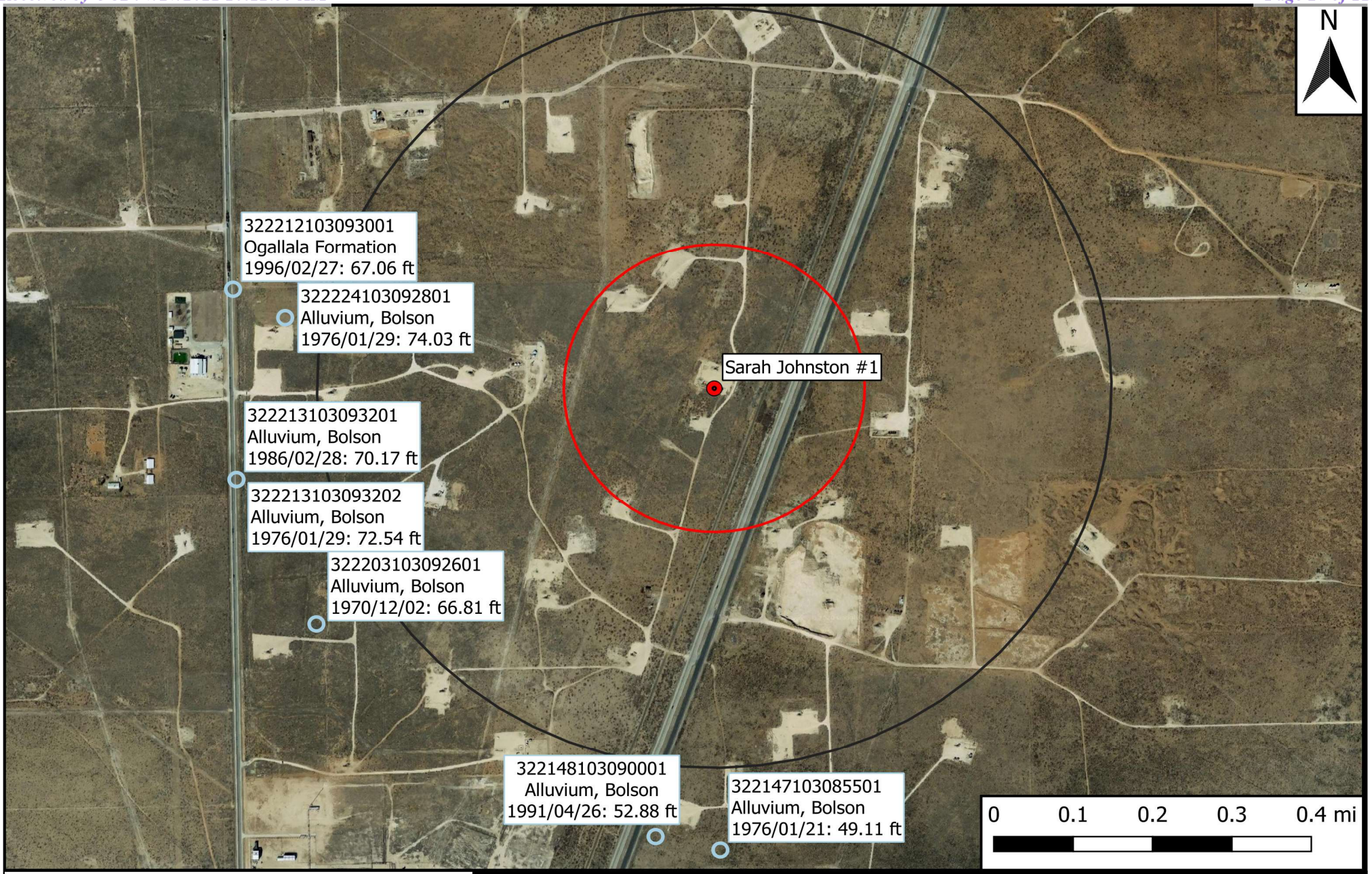
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00003 POD1			4	22	22S	37E	674372	3583367*

Driller License: **Driller Company:**

Driller Name: E.BURKE

Drill Start Date:		**Drill Finish Date:**		**Plug Date:**	
Log File Date:		**PCW Rcv Date:**	07/13/1942	**Source:**	Shallow
Pump Type:	TURBIN	**Pipe Discharge Size:**		**Estimated Yield:**	30 GPM
Casing Size:	8.00	**Depth Well:**	142 feet	**Depth Water:**	110 feet

***UTM location was derived from PLSS - see Help**



Legend
- Site Location
- Well - USGS
- 0.5 Mi Radius
- 1000 Ft Radius

Figure 5
USGS Well Proximity Map
Grizzly Energy, LLC
Sarah Johnston #1
GPS: 32.371978, -103.149028
Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 5/20/20

Click to hideNews Bulletins

- **Notice** - The USGS Water Resources Mission Area's priority is to maintain the safety and well-being of our communities, including providing critical situational awareness in times of flooding in all 50 U.S. states and additional territories. Our hydrologic monitoring stations continue to send data in near real-time to NWISWeb, and we are continuing critical water monitoring activities to protect life and property on a case-by-case basis. The health and safety of the public and our employees are our highest priorities, and we continue to follow guidance from the White House, the CDC, and state and local authorities.

- Introducing The Next Generation of USGS Water Data for the Nation
- Full News

Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322147103085501

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 322147103085501 22S.37E.27.213442

Lea County, New Mexico
Latitude 32°21'47", Longitude 103°08'55" NAD27
Land-surface elevation 3,329 feet above NAVD88
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1976-01-21		D	49.11			2		U		U	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2020-05-20 15:04:21 EDT
0.27 0.25 nadww01

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- **Notice** - The USGS Water Resources Mission Area's priority is to maintain the safety and well-being of our communities, including providing critical situational awareness in times of flooding in all 50 U.S. states and additional territories. Our hydrologic monitoring stations continue to send data in near real-time to NWISWeb, and we are continuing critical water monitoring activities to protect life and property on a case-by-case basis. The health and safety of the public and our employees are our highest priorities, and we continue to follow guidance from the White House, the CDC, and state and local authorities.

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- Full News

Groundwater levels for the Nation

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Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 322148103090001 22S.37E.27.213114

Lea County, New Mexico
Latitude 32°21'48", Longitude 103°09'00" NAD27
Land-surface elevation 3,331 feet above NAVD88
The depth of the well is 77 feet below land surface.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1968-04-02		D	52.09			2		U		U	A
1970-12-01		D	52.10			2		U		U	A
1976-01-21		D	52.76			2		U		U	A
1981-03-19		D	53.81			2		U		U	A
1986-03-04		D	53.59			2		U		U	A
1991-04-26		D	52.88			2		U		U	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322203103092601

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 322203103092601 22S.37E.22.333243

Lea County, New Mexico
Latitude 32°22'03", Longitude 103°09'26" NAD27
Land-surface elevation 3,342 feet above NAVD88
The depth of the well is 135 feet below land surface.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1970-12-02		D	66.81			2		U		U	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2020-05-20 15:04:25 EDT
0.34 0.32 nadww01

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

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Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322212103093001

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 322212103093001 22S.37E.22.313343

Lea County, New Mexico
Latitude 32°22'26", Longitude 103°09'32" NAD27
Land-surface elevation 3,350.20 feet above NGVD29
The depth of the well is 145 feet below land surface.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1953-09-29		D	69.04			2		U		U	A
1991-04-26		D	67.71			2		U		U	A
1996-02-27		D	67.06			2		S		U	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	S	Steel-tape measurement.
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help

Data Tips
Explanation of terms
Subscribe for system changes
News

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U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

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0.26 0.24 nadww01

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Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322213103093201

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 322213103093201 22S.37E.22.313331

Lea County, New Mexico
Latitude 32°22'13", Longitude 103°09'32" NAD27
Land-surface elevation 3,349 feet above NAVD88
The depth of the well is 130 feet below land surface.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1966-04-28		D	78.50			2		U		U	A
1981-03-19		D	72.52			2		U		U	A
1986-02-28		D	70.17			2		U		U	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for USA: Water Levels
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0.28 0.26 nadww01

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Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322213103093202

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 322213103093202 22S.37E.22.313330

Lea County, New Mexico
Latitude 32°22'13", Longitude 103°09'32" NAD27
Land-surface elevation 3,349 feet above NAVD88
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1976-01-29		D	72.54			2	S	U		U	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status	S	Nearby site that taps the same aquifer was being pumped.
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322224103092801

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 322224103092801 22S.37E.22.311213

Lea County, New Mexico
Latitude 32°22'24", Longitude 103°09'28" NAD27
Land-surface elevation 3,350 feet above NAVD88
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1970-12-02		D	70.20			2		U		U	A
1976-01-29		D	74.03			2	S	U		U	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Status	S	Nearby site that taps the same aquifer was being pumped.
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2020-05-20 15:04:35 EDT
0.28 0.25 nadww01

Appendix B
Field Data and Soil Profile Logs

TABLE 1
Summary of Confirmation Sampling Analytical Results
Concentrations of Chloride in Soil
Contango Resources, Inc.
Enron State Battery
Eddy County, NM

Sample Location	Sample Date	Sample Depth (ft)	Soil Status	EPA 300	8015M				8021B				
				Chloride (mg/kg)	**Gasoline** Range Organics (GRO) (mg/kg)	**Diesel** Range Organics (DRO) (mg/kg)	**Oil** Range Organics (MRO) (mg/kg)	**Total TPH** (mg/kg)	**Benzene** (mg/kg)	**Toluene** (mg/kg)	**Ethybenzene** (mg/kg)	**Total Xylenes** (mg/kg)	**Total BTEX** (mg/kg)
NMAC 19.15.29				*10,000*	*1,000*		*NE*	*2,500*	*10*	*NE*			*50*
Confirmation Sampling													
SW 1	6/11/2021	SIDEWALL	EXCAUVATED	417	<49.9	<49.9	<49.9	<49.9	<.00199	<.00199	<.00199	<.00398	<.00398
SW 2	6/11/2021	SIDEWALL	EXCAUVATED	503	<50.0	<50.0	<50.0	<50.0	<.00202	<.00202	<.00202	<.00404	<.00404
SW 3	6/11/2021	SIDEWALL	EXCAUVATED	480	<50.0	<50.0	<50.0	<50.0	<.00200	<.00200	<.00200	<.00399	<.00399
SW 4	6/11/2021	SIDEWALL	EXCAUVATED	463	<49.8	<49.8	<49.8	<49.8	<.00201	<.00201	<.00201	<.00402	<.00402
SW 5	6/11/2021	SIDEWALL	EXCAUVATED	296	<50.0	<50.0	<50.0	<50.0	<.00200	<.00200	<.00200	<.00401	<.00401
SW6	6/11/2021	SIDEWALL	EXCAUVATED	315	<49.9	<49.9	<49.9	<49.9	<.00202	<.00202	<.00202	<.00404	<.00404
SW 7	6/11/2021	SIDEWALL	EXCAUVATED	357	<49.9	<49.9	<49.9	<49.9	0.00227	<.00199	<.00199	<.00398	<.00398
SW 8	6/11/2021	SIDEWALL	EXCAUVATED	586	<49.8	<49.8	<49.8	<49.8	<.00198	<.00198	<.00198	<.00396	<.00396
SW 9	6/11/2021	SIDEWALL	EXCAUVATED	386	<50.0	<50.0	<50.0	<50.0	<.00199	<.00199	<.00199	<.00398	<.00398
SW 10	6/11/2021	SIDEWALL	EXCAUVATED	596	<50.0	<50.0	<50.0	<50.0	<.00200	<.00200	<.00200	<.00400	<.00400
SW 11	6/11/2021	SIDEWALL	EXCAUVATED	556	<49.9	<49.9	<49.9	<49.9	<.00198	<.00198	<.00198	<.00397	<.00397
SW 12	6/11/2021	SIDEWALL	EXCAUVATED	508	<50.0	<50.0	<50.0	<50.0	<.00200	<.00200	<.00200	<.00400	<.00400
SW 13	6/11/2021	SIDEWALL	EXCAUVATED	317	<50.0	<50.0	<50.0	<50.0	<.00200	<.00200	<.00200	<.00400	<.00400
SW 14	6/11/2021	SIDEWALL	EXCAUVATED	577	<49.8	<49.8	<49.8	<49.8	<.00201	<.00201	<.00201	<.00402	<.00402
FS 1	6/11/2021	0.0"-0..5"	EXCAUVATED	388	<49.7	<49.7	<49.7	<49.7	<.00200	<.00200	<.00200	<.00400	<.00400
FS 2	6/11/2021	0.0"-0..5"	EXCAUVATED	420	<49.9	<49.9	<49.9	<49.9	<.00201	<.00201	<.00201	<.00402	<.00402
FS 3	6/11/2021	0.0"-0..5"	EXCAUVATED	354	<50.0	<50.0	<50.0	<50.0	<.00200	<.00200	<.00200	<.00401	<.00401
FS 4	6/11/2021	0.0"-0..5"	EXCAUVATED	354	<49.8	<49.8	<49.8	<49.8	<.00199	<.00199	<.00199	<.00398	<.00398
FS 5	6/11/2021	0.0"-0..5"	EXCAUVATED	328	<49.8	<49.8	<49.8	<49.8	<.00200	<.00200	<.00200	<.00399	<.00399
FS 6	6/11/2021	0.0"-0..5"	EXCAUVATED	363	<49.7	64.7	<49.7	64.7	<.00202	<.00202	<.00202	<.00404	<.00404
FS 7	6/11/2021	0.0"-0..5"	EXCAUVATED	708	<50.0	<50.0	<50.0	<50.0	<.00200	<.00200	<.00200	<.00401	<.00401
FS 8	6/11/2021	0.0"-0..5"	EXCAUVATED	435	<50.0	<50.0	<50.0	<50.0	<.00199	<.00199	<.00199	<.00398	<.00398
FS 9	6/11/2021	0.0"-0..5"	EXCAUVATED	208	<49.9	<49.9	<49.9	<49.9	<.00200	<.00200	<.00200	<.00399	<.00399
FS 10	6/11/2021	0.0"-0..5"	EXCAUVATED	376	<49.9	<49.9	<49.9	<49.9	0.0266	<.00200	<.00200	<.00399	0.0266
FS 11	6/11/2021	0.0"-0..5"	EXCAUVATED	407	<50.0	<50.0	<50.0	<50.0	<.00200	<.00200	<.00200	<.00400	<.00400
FS 12	6/11/2021	0.0"-0..5"	EXCAUVATED	378	<50.0	<50.0	<50.0	<50.0	<.00198	<.00198	<.00198	<.00396	<.00396

Appendix C
Laboratory Analytical Reports

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-799-1
Client Project/Site: Sara Johnson Battery

For:
Contango Resources LLC
11405 Lovington Hwy
Artesia, New Mexico 88210

Attn: Jr Curtis

Authorized for release by:
6/16/2021 1:12:54 PM

John Builes, Project Manager
(281)240-4200
john.builes@eurofinset.com

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Laboratory Job ID: 890-799-1

Table of Contents

Definitions/Glossary

Client: Contango Resources LLC Job ID: 890-799-1
Project/Site: Sara Johnson Battery

Qualifiers

GC VOA

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

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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.
¤	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: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Job ID: 890-799-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-799-1

Receipt
The samples were received on 6/11/2021 10:07 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 1.6°C

Receipt Exceptions
The following samples analyzed for method <FRACTION_METHOD> were received and analyzed from an unpreserved bulk soil jar: FS1 (890-799-1), FS2 (890-799-2), FS3 (890-799-3), FS4 (890-799-4), FS5 (890-799-5), FS6 (890-799-6), FS7 (890-799-7), FS8 (890-799-8), FS9 (890-799-9), FS10 (890-799-10), FS11 (890-799-11), FS12 (890-799-12), SW1 (890-799-13), SW2 (890-799-14), SW3 (890-799-15), SW4 (890-799-16), SW5 (890-799-17), SW6 (890-799-18), SW7 (890-799-19), SW8 (890-799-20), SW9 (890-799-21), SW10 (890-799-22), SW11 (890-799-23), SW12 (890-799-24), SW13 (890-799-25) and SW14 (890-799-26).
BTEX8021

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: FS9 (890-799-9), FS10 (890-799-10), FS11 (890-799-11), FS12 (890-799-12), SW1 (890-799-13), SW2 (890-799-14), SW3 (890-799-15), SW4 (890-799-16), SW5 (890-799-17), SW6 (890-799-18), SW7 (890-799-19), SW8 (890-799-20), SW9 (890-799-21), SW10 (890-799-22), SW11 (890-799-23), SW12 (890-799-24), SW13 (890-799-25), SW14 (890-799-26), (890-799-A-9-A MS) and (890-799-A-9-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Client Sample ID: FS1

Lab Sample ID: 890-799-1
Matrix: Solid
Date Collected: 06/11/21 05:45
Date Received: 06/11/21 10:07
Sample Depth: 0 - 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:30	06/13/21 01:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:30	06/13/21 01:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:30	06/13/21 01:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/12/21 11:30	06/13/21 01:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:30	06/13/21 01:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/12/21 11:30	06/13/21 01:16	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/12/21 11:30	06/13/21 01:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*06/12/21 11:30*	*06/13/21 01:16*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/12/21 11:30*	*06/13/21 01:16*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/14/21 09:07	06/14/21 13:23	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		06/14/21 09:07	06/14/21 13:23	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/14/21 09:07	06/14/21 13:23	1
Total TPH	<49.7	U	49.7		mg/Kg		06/14/21 09:07	06/14/21 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*06/14/21 09:07*	*06/14/21 13:23*	*1*
o-Terphenyl	*83*		*70 - 130*	*06/14/21 09:07*	*06/14/21 13:23*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**388**		4.95		mg/Kg			06/16/21 01:07	1

Client Sample ID: FS2

Lab Sample ID: 890-799-2
Matrix: Solid
Date Collected: 06/11/21 05:55
Date Received: 06/11/21 10:07
Sample Depth: 0 - 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/12/21 11:30	06/13/21 01:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/12/21 11:30	06/13/21 01:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/12/21 11:30	06/13/21 01:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/12/21 11:30	06/13/21 01:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/12/21 11:30	06/13/21 01:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/12/21 11:30	06/13/21 01:37	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		06/12/21 11:30	06/13/21 01:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*06/12/21 11:30*	*06/13/21 01:37*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*06/12/21 11:30*	*06/13/21 01:37*	*1*

Client Sample Results

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Client Sample ID: FS2

Lab Sample ID: 890-799-2
Matrix: Solid
Date Collected: 06/11/21 05:55
Date Received: 06/11/21 10:07
Sample Depth: 0 - 5

Method: 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		06/14/21 09:07	06/14/21 14:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 14:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 14:26	1
Total TPH	<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*06/14/21 09:07*	*06/14/21 14:26*	*1*
o-Terphenyl	*100*		*70 - 130*	*06/14/21 09:07*	*06/14/21 14:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**420**		4.97		mg/Kg			06/16/21 01:12	1

Client Sample ID: FS3

Lab Sample ID: 890-799-3
Matrix: Solid
Date Collected: 06/11/21 06:05
Date Received: 06/11/21 10:07
Sample Depth: 0 - 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:30	06/13/21 01:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:30	06/13/21 01:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:30	06/13/21 01:57	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/12/21 11:30	06/13/21 01:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:30	06/13/21 01:57	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/12/21 11:30	06/13/21 01:57	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		06/12/21 11:30	06/13/21 01:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*06/12/21 11:30*	*06/13/21 01:57*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*06/12/21 11:30*	*06/13/21 01:57*	*1*

Method: 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		06/14/21 09:07	06/14/21 14:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/14/21 09:07	06/14/21 14:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/14/21 09:07	06/14/21 14:47	1
Total TPH	<50.0	U	50.0		mg/Kg		06/14/21 09:07	06/14/21 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*06/14/21 09:07*	*06/14/21 14:47*	*1*
o-Terphenyl	*85*		*70 - 130*	*06/14/21 09:07*	*06/14/21 14:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**354**		4.95		mg/Kg			06/16/21 01:27	1

Client Sample Results

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Client Sample ID: FS4

Lab Sample ID: 890-799-4
Matrix: Solid
Date Collected: 06/11/21 06:09
Date Received: 06/11/21 10:07
Sample Depth: 0 - 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/12/21 11:30	06/13/21 02:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/12/21 11:30	06/13/21 02:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/12/21 11:30	06/13/21 02:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/12/21 11:30	06/13/21 02:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/12/21 11:30	06/13/21 02:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/12/21 11:30	06/13/21 02:17	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/12/21 11:30	06/13/21 02:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*06/12/21 11:30*	*06/13/21 02:17*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*06/12/21 11:30*	*06/13/21 02:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/14/21 09:07	06/14/21 15:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/14/21 09:07	06/14/21 15:08	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/14/21 09:07	06/14/21 15:08	1
Total TPH	<49.8	U	49.8		mg/Kg		06/14/21 09:07	06/14/21 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*06/14/21 09:07*	*06/14/21 15:08*	*1*
o-Terphenyl	*82*		*70 - 130*	*06/14/21 09:07*	*06/14/21 15:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**354**		4.99		mg/Kg			06/16/21 01:31	1

Client Sample ID: FS5

Lab Sample ID: 890-799-5
Matrix: Solid
Date Collected: 06/11/21 06:18
Date Received: 06/11/21 10:07
Sample Depth: 0 - 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:30	06/13/21 02:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:30	06/13/21 02:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:30	06/13/21 02:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/12/21 11:30	06/13/21 02:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:30	06/13/21 02:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/12/21 11:30	06/13/21 02:38	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		06/12/21 11:30	06/13/21 02:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*06/12/21 11:30*	*06/13/21 02:38*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*06/12/21 11:30*	*06/13/21 02:38*	*1*

Client Sample Results

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Client Sample ID: FS5

Lab Sample ID: 890-799-5
Matrix: Solid
Date Collected: 06/11/21 06:18
Date Received: 06/11/21 10:07
Sample Depth: 0 - 5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/14/21 09:07	06/14/21 15:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/14/21 09:07	06/14/21 15:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/14/21 09:07	06/14/21 15:29	1
Total TPH	<49.8	U	49.8		mg/Kg		06/14/21 09:07	06/14/21 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*06/14/21 09:07*	*06/14/21 15:29*	*1*
o-Terphenyl	*96*		*70 - 130*	*06/14/21 09:07*	*06/14/21 15:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**328**		5.02		mg/Kg			06/16/21 01:36	1

Client Sample ID: FS6

Lab Sample ID: 890-799-6
Matrix: Solid
Date Collected: 06/11/21 06:28
Date Received: 06/11/21 10:07
Sample Depth: 0 - 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/12/21 11:30	06/13/21 02:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/12/21 11:30	06/13/21 02:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/12/21 11:30	06/13/21 02:58	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/12/21 11:30	06/13/21 02:58	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/12/21 11:30	06/13/21 02:58	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/12/21 11:30	06/13/21 02:58	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		06/12/21 11:30	06/13/21 02:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*06/12/21 11:30*	*06/13/21 02:58*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*06/12/21 11:30*	*06/13/21 02:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		06/14/21 09:07	06/14/21 15:50	1
Diesel Range Organics (Over C10-C28)	**64.7**		49.7		mg/Kg		06/14/21 09:07	06/14/21 15:50	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		06/14/21 09:07	06/14/21 15:50	1
Total TPH	**64.7**		49.7		mg/Kg		06/14/21 09:07	06/14/21 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*54*	*S1-*	*70 - 130*	*06/14/21 09:07*	*06/14/21 15:50*	*1*
o-Terphenyl	*93*		*70 - 130*	*06/14/21 09:07*	*06/14/21 15:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**363**		4.99		mg/Kg			06/16/21 01:41	1

Client Sample Results

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Client Sample ID: FS7

Lab Sample ID: 890-799-7
Matrix: Solid
Date Collected: 06/11/21 06:35
Date Received: 06/11/21 10:07
Sample Depth: 0 - 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:30	06/13/21 03:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:30	06/13/21 03:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:30	06/13/21 03:19	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/12/21 11:30	06/13/21 03:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:30	06/13/21 03:19	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/12/21 11:30	06/13/21 03:19	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		06/12/21 11:30	06/13/21 03:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*06/12/21 11:30*	*06/13/21 03:19*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*06/12/21 11:30*	*06/13/21 03:19*	*1*

Method: 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		06/14/21 09:07	06/14/21 16:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/14/21 09:07	06/14/21 16:11	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/14/21 09:07	06/14/21 16:11	1
Total TPH	<50.0	U	50.0		mg/Kg		06/14/21 09:07	06/14/21 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*06/14/21 09:07*	*06/14/21 16:11*	*1*
o-Terphenyl	*72*		*70 - 130*	*06/14/21 09:07*	*06/14/21 16:11*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**708**		4.99		mg/Kg			06/16/21 01:46	1

Client Sample ID: FS8

Lab Sample ID: 890-799-8
Matrix: Solid
Date Collected: 06/11/21 06:40
Date Received: 06/11/21 10:07
Sample Depth: 0 - 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/12/21 11:30	06/13/21 03:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/12/21 11:30	06/13/21 03:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/12/21 11:30	06/13/21 03:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/12/21 11:30	06/13/21 03:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/12/21 11:30	06/13/21 03:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/12/21 11:30	06/13/21 03:39	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/12/21 11:30	06/13/21 03:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*0.2*	*S1-*	*70 - 130*	*06/12/21 11:30*	*06/13/21 03:39*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/12/21 11:30*	*06/13/21 03:39*	*1*

Client Sample Results

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Client Sample ID: FS8

Lab Sample ID: 890-799-8
Matrix: Solid
Date Collected: 06/11/21 06:40
Date Received: 06/11/21 10:07
Sample Depth: 0 - 5

Method: 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		06/14/21 09:07	06/14/21 16:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/14/21 09:07	06/14/21 16:32	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/14/21 09:07	06/14/21 16:32	1
Total TPH	<50.0	U	50.0		mg/Kg		06/14/21 09:07	06/14/21 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*06/14/21 09:07*	*06/14/21 16:32*	*1*
o-Terphenyl	*79*		*70 - 130*	*06/14/21 09:07*	*06/14/21 16:32*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**435**		4.98		mg/Kg			06/16/21 01:51	1

Client Sample ID: FS9

Lab Sample ID: 890-799-9
Matrix: Solid
Date Collected: 06/11/21 06:45
Date Received: 06/11/21 10:07
Sample Depth: 0 - 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1 F2	0.00200		mg/Kg		06/12/21 11:00	06/12/21 20:08	1
Toluene	<0.00200	U F1 F2	0.00200		mg/Kg		06/12/21 11:00	06/12/21 20:08	1
Ethylbenzene	<0.00200	U F1 F2	0.00200		mg/Kg		06/12/21 11:00	06/12/21 20:08	1
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.00399		mg/Kg		06/12/21 11:00	06/12/21 20:08	1
o-Xylene	<0.00200	U F1 F2	0.00200		mg/Kg		06/12/21 11:00	06/12/21 20:08	1
Xylenes, Total	<0.00399	U F1 F2	0.00399		mg/Kg		06/12/21 11:00	06/12/21 20:08	1
Total BTEX	<0.00399	U F1 F2	0.00399		mg/Kg		06/12/21 11:00	06/12/21 20:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*06/12/21 11:00*	*06/12/21 20:08*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*06/12/21 11:00*	*06/12/21 20:08*	*1*

Method: 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		06/14/21 09:07	06/14/21 16:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 16:53	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 16:53	1
Total TPH	<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*06/14/21 09:07*	*06/14/21 16:53*	*1*
o-Terphenyl	*81*		*70 - 130*	*06/14/21 09:07*	*06/14/21 16:53*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**208**		5.04		mg/Kg			06/16/21 01:56	1

Client Sample Results

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Client Sample ID: FS10

Lab Sample ID: 890-799-10
Matrix: Solid
Date Collected: 06/11/21 06:50
Date Received: 06/11/21 10:07
Sample Depth: 0 - 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0266**		0.00200		mg/Kg		06/12/21 11:00	06/12/21 20:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/12/21 20:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/12/21 20:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/12/21 11:00	06/12/21 20:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/12/21 20:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/12/21 11:00	06/12/21 20:29	1
Total BTEX	**0.0266**		0.00399		mg/Kg		06/12/21 11:00	06/12/21 20:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*227*	*S1+*	*70 - 130*	*06/12/21 11:00*	*06/12/21 20:29*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*06/12/21 11:00*	*06/12/21 20:29*	*1*

Method: 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		06/14/21 09:07	06/14/21 17:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 17:15	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 17:15	1
Total TPH	<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*06/14/21 09:07*	*06/14/21 17:15*	*1*
o-Terphenyl	*80*		*70 - 130*	*06/14/21 09:07*	*06/14/21 17:15*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**376**		4.95		mg/Kg			06/15/21 16:12	1

Client Sample ID: FS11

Lab Sample ID: 890-799-11
Matrix: Solid
Date Collected: 06/11/21 06:55
Date Received: 06/11/21 10:07
Sample Depth: 0 - 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/12/21 20:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/12/21 20:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/12/21 20:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/12/21 11:00	06/12/21 20:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/12/21 20:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/12/21 11:00	06/12/21 20:50	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/12/21 11:00	06/12/21 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*06/12/21 11:00*	*06/12/21 20:50*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*06/12/21 11:00*	*06/12/21 20:50*	*1*

Client Sample Results

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Client Sample ID: FS11

Lab Sample ID: 890-799-11
Matrix: Solid
Date Collected: 06/11/21 06:55
Date Received: 06/11/21 10:07
Sample Depth: 0 - 5

Method: 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		06/14/21 09:07	06/14/21 18:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/14/21 09:07	06/14/21 18:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/14/21 09:07	06/14/21 18:04	1
Total TPH	<50.0	U	50.0		mg/Kg		06/14/21 09:07	06/14/21 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*06/14/21 09:07*	*06/14/21 18:04*	*1*
o-Terphenyl	*88*		*70 - 130*	*06/14/21 09:07*	*06/14/21 18:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**407**		5.02		mg/Kg			06/15/21 16:17	1

Client Sample ID: FS12

Lab Sample ID: 890-799-12
Matrix: Solid
Date Collected: 06/11/21 07:00
Date Received: 06/11/21 10:07
Sample Depth: 0 - 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/12/21 11:00	06/12/21 21:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/12/21 11:00	06/12/21 21:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/12/21 11:00	06/12/21 21:10	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/12/21 11:00	06/12/21 21:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/12/21 11:00	06/12/21 21:10	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/12/21 11:00	06/12/21 21:10	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		06/12/21 11:00	06/12/21 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*06/12/21 11:00*	*06/12/21 21:10*	*1*
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*	*06/12/21 11:00*	*06/12/21 21:10*	*1*

Method: 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		06/14/21 09:07	06/14/21 18:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/14/21 09:07	06/14/21 18:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/14/21 09:07	06/14/21 18:25	1
Total TPH	<50.0	U	50.0		mg/Kg		06/14/21 09:07	06/14/21 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*06/14/21 09:07*	*06/14/21 18:25*	*1*
o-Terphenyl	*102*		*70 - 130*	*06/14/21 09:07*	*06/14/21 18:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**378**		5.01		mg/Kg			06/15/21 16:22	1

Client Sample Results

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Client Sample ID: SW1

Lab Sample ID: 890-799-13
Matrix: Solid
Date Collected: 06/11/21 07:05
Date Received: 06/11/21 10:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/12/21 11:00	06/12/21 21:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/12/21 11:00	06/12/21 21:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/12/21 11:00	06/12/21 21:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/12/21 11:00	06/12/21 21:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/12/21 11:00	06/12/21 21:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/12/21 11:00	06/12/21 21:31	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/12/21 11:00	06/12/21 21:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*289*	*S1+*	*70 - 130*	*06/12/21 11:00*	*06/12/21 21:31*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*06/12/21 11:00*	*06/12/21 21:31*	*1*

Method: 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		06/14/21 09:07	06/14/21 18:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 18:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 18:46	1
Total TPH	<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*06/14/21 09:07*	*06/14/21 18:46*	*1*
o-Terphenyl	*88*		*70 - 130*	*06/14/21 09:07*	*06/14/21 18:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**417**		5.03		mg/Kg			06/15/21 16:27	1

Client Sample ID: SW2

Lab Sample ID: 890-799-14
Matrix: Solid
Date Collected: 06/11/21 07:10
Date Received: 06/11/21 10:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/12/21 11:00	06/12/21 21:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/12/21 11:00	06/12/21 21:52	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/12/21 11:00	06/12/21 21:52	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/12/21 11:00	06/12/21 21:52	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/12/21 11:00	06/12/21 21:52	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/12/21 11:00	06/12/21 21:52	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		06/12/21 11:00	06/12/21 21:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*06/12/21 11:00*	*06/12/21 21:52*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*06/12/21 11:00*	*06/12/21 21:52*	*1*

Method: 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		06/14/21 09:07	06/14/21 19:06	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Client Sample ID: SW2

Lab Sample ID: 890-799-14
Matrix: Solid
Date Collected: 06/11/21 07:10
Date Received: 06/11/21 10:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/14/21 09:07	06/14/21 19:06	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/14/21 09:07	06/14/21 19:06	1
Total TPH	<50.0	U	50.0		mg/Kg		06/14/21 09:07	06/14/21 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*06/14/21 09:07*	*06/14/21 19:06*	*1*
o-Terphenyl	*83*		*70 - 130*	*06/14/21 09:07*	*06/14/21 19:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**503**	**F1**	5.00		mg/Kg			06/15/21 16:32	1

Client Sample ID: SW3

Lab Sample ID: 890-799-15
Matrix: Solid
Date Collected: 06/11/21 07:15
Date Received: 06/11/21 10:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/12/21 22:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/12/21 22:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/12/21 22:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/12/21 11:00	06/12/21 22:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/12/21 22:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/12/21 11:00	06/12/21 22:12	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		06/12/21 11:00	06/12/21 22:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*06/12/21 11:00*	*06/12/21 22:12*	*1*
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*	*06/12/21 11:00*	*06/12/21 22:12*	*1*

Method: 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		06/14/21 09:07	06/14/21 19:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/14/21 09:07	06/14/21 19:27	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/14/21 09:07	06/14/21 19:27	1
Total TPH	<50.0	U	50.0		mg/Kg		06/14/21 09:07	06/14/21 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*06/14/21 09:07*	*06/14/21 19:27*	*1*
o-Terphenyl	*79*		*70 - 130*	*06/14/21 09:07*	*06/14/21 19:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**480**		5.01		mg/Kg			06/15/21 16:47	1

Client Sample Results

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Client Sample ID: SW4

Lab Sample ID: 890-799-16
Matrix: Solid
Date Collected: 06/11/21 07:20
Date Received: 06/11/21 10:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/12/21 11:00	06/12/21 22:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/12/21 11:00	06/12/21 22:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/12/21 11:00	06/12/21 22:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/12/21 11:00	06/12/21 22:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/12/21 11:00	06/12/21 22:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/12/21 11:00	06/12/21 22:33	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		06/12/21 11:00	06/12/21 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*06/12/21 11:00*	*06/12/21 22:33*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*06/12/21 11:00*	*06/12/21 22:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/14/21 09:07	06/14/21 19:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/14/21 09:07	06/14/21 19:48	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/14/21 09:07	06/14/21 19:48	1
Total TPH	<49.8	U	49.8		mg/Kg		06/14/21 09:07	06/14/21 19:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*06/14/21 09:07*	*06/14/21 19:48*	*1*
o-Terphenyl	*98*		*70 - 130*	*06/14/21 09:07*	*06/14/21 19:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**463**		4.97		mg/Kg			06/15/21 16:51	1

Client Sample ID: SW5

Lab Sample ID: 890-799-17
Matrix: Solid
Date Collected: 06/11/21 07:25
Date Received: 06/11/21 10:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/12/21 22:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/12/21 22:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/12/21 22:54	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/12/21 11:00	06/12/21 22:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/12/21 22:54	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/12/21 11:00	06/12/21 22:54	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		06/12/21 11:00	06/12/21 22:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*06/12/21 11:00*	*06/12/21 22:54*	*1*
1,4-Difluorobenzene (Surr)	*130*		*70 - 130*	*06/12/21 11:00*	*06/12/21 22:54*	*1*

Method: 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		06/14/21 09:07	06/14/21 20:09	1

Client Sample Results

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Client Sample ID: SW5

Lab Sample ID: 890-799-17
Matrix: Solid
Date Collected: 06/11/21 07:25
Date Received: 06/11/21 10:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/14/21 09:07	06/14/21 20:09	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/14/21 09:07	06/14/21 20:09	1
Total TPH	<50.0	U	50.0		mg/Kg		06/14/21 09:07	06/14/21 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*06/14/21 09:07*	*06/14/21 20:09*	*1*
o-Terphenyl	*87*		*70 - 130*	*06/14/21 09:07*	*06/14/21 20:09*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**296**		4.98		mg/Kg			06/15/21 17:06	1

Client Sample ID: SW6

Lab Sample ID: 890-799-18
Matrix: Solid
Date Collected: 06/11/21 07:30
Date Received: 06/11/21 10:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/12/21 11:00	06/12/21 23:14	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/12/21 11:00	06/12/21 23:14	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/12/21 11:00	06/12/21 23:14	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/12/21 11:00	06/12/21 23:14	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/12/21 11:00	06/12/21 23:14	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/12/21 11:00	06/12/21 23:14	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		06/12/21 11:00	06/12/21 23:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*06/12/21 11:00*	*06/12/21 23:14*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*06/12/21 11:00*	*06/12/21 23:14*	*1*

Method: 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		06/14/21 09:07	06/14/21 20:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 20:30	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 20:30	1
Total TPH	<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 20:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*06/14/21 09:07*	*06/14/21 20:30*	*1*
o-Terphenyl	*91*		*70 - 130*	*06/14/21 09:07*	*06/14/21 20:30*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**315**		5.04		mg/Kg			06/15/21 17:11	1

Client Sample Results

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Client Sample ID: SW7

Lab Sample ID: 890-799-19
Date Collected: 06/11/21 07:35
Matrix: Solid
Date Received: 06/11/21 10:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00227**		0.00199		mg/Kg		06/12/21 11:00	06/13/21 00:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/12/21 11:00	06/13/21 00:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/12/21 11:00	06/13/21 00:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/12/21 11:00	06/13/21 00:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/12/21 11:00	06/13/21 00:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/12/21 11:00	06/13/21 00:37	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/12/21 11:00	06/13/21 00:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*06/12/21 11:00*	*06/13/21 00:37*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*06/12/21 11:00*	*06/13/21 00:37*	*1*

Method: 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		06/14/21 09:07	06/14/21 20:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 20:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 20:50	1
Total TPH	<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*06/14/21 09:07*	*06/14/21 20:50*	*1*
o-Terphenyl	*89*		*70 - 130*	*06/14/21 09:07*	*06/14/21 20:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**357**		4.98		mg/Kg			06/15/21 17:16	1

Client Sample ID: SW8

Lab Sample ID: 890-799-20
Date Collected: 06/11/21 07:40
Matrix: Solid
Date Received: 06/11/21 10:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/12/21 11:00	06/13/21 00:57	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/12/21 11:00	06/13/21 00:57	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/12/21 11:00	06/13/21 00:57	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/12/21 11:00	06/13/21 00:57	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/12/21 11:00	06/13/21 00:57	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/12/21 11:00	06/13/21 00:57	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		06/12/21 11:00	06/13/21 00:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*06/12/21 11:00*	*06/13/21 00:57*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*06/12/21 11:00*	*06/13/21 00:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/14/21 09:07	06/14/21 21:11	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Client Sample ID: SW8

Lab Sample ID: 890-799-20
Matrix: Solid
Date Collected: 06/11/21 07:40
Date Received: 06/11/21 10:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/14/21 09:07	06/14/21 21:11	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/14/21 09:07	06/14/21 21:11	1
Total TPH	<49.8	U	49.8		mg/Kg		06/14/21 09:07	06/14/21 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*06/14/21 09:07*	*06/14/21 21:11*	*1*
o-Terphenyl	*78*		*70 - 130*	*06/14/21 09:07*	*06/14/21 21:11*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**586**		4.95		mg/Kg			06/15/21 17:21	1

Client Sample ID: SW9

Lab Sample ID: 890-799-21
Matrix: Solid
Date Collected: 06/11/21 07:45
Date Received: 06/11/21 10:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/12/21 11:00	06/13/21 01:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/12/21 11:00	06/13/21 01:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/12/21 11:00	06/13/21 01:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/12/21 11:00	06/13/21 01:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/12/21 11:00	06/13/21 01:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/12/21 11:00	06/13/21 01:18	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		06/12/21 11:00	06/13/21 01:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*225*	*S1+*	*70 - 130*	*06/12/21 11:00*	*06/13/21 01:18*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*06/12/21 11:00*	*06/13/21 01:18*	*1*

Method: 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		06/13/21 10:54	06/14/21 04:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U *-	50.0		mg/Kg		06/13/21 10:54	06/14/21 04:57	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/13/21 10:54	06/14/21 04:57	1
Total TPH	<50.0	U	50.0		mg/Kg		06/13/21 10:54	06/14/21 04:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*06/13/21 10:54*	*06/14/21 04:57*	*1*
o-Terphenyl	*71*		*70 - 130*	*06/13/21 10:54*	*06/14/21 04:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**386**		5.04		mg/Kg			06/15/21 17:26	1

Client Sample Results

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Client Sample ID: SW10

Lab Sample ID: 890-799-22
Date Collected: 06/11/21 07:50
Matrix: Solid
Date Received: 06/11/21 10:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/13/21 01:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/13/21 01:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/13/21 01:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/12/21 11:00	06/13/21 01:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/13/21 01:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/12/21 11:00	06/13/21 01:38	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/12/21 11:00	06/13/21 01:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*06/12/21 11:00*	*06/13/21 01:38*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*06/12/21 11:00*	*06/13/21 01:38*	*1*

Method: 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		06/13/21 10:54	06/14/21 05:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U *-	50.0		mg/Kg		06/13/21 10:54	06/14/21 05:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/13/21 10:54	06/14/21 05:18	1
Total TPH	<50.0	U	50.0		mg/Kg		06/13/21 10:54	06/14/21 05:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*06/13/21 10:54*	*06/14/21 05:18*	*1*
o-Terphenyl	*71*		*70 - 130*	*06/13/21 10:54*	*06/14/21 05:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**596**		4.98		mg/Kg			06/15/21 17:31	1

Client Sample ID: SW11

Lab Sample ID: 890-799-23
Date Collected: 06/11/21 07:55
Matrix: Solid
Date Received: 06/11/21 10:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/12/21 11:00	06/13/21 01:59	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/12/21 11:00	06/13/21 01:59	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/12/21 11:00	06/13/21 01:59	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/12/21 11:00	06/13/21 01:59	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/12/21 11:00	06/13/21 01:59	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/12/21 11:00	06/13/21 01:59	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		06/12/21 11:00	06/13/21 01:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*06/12/21 11:00*	*06/13/21 01:59*	*1*
1,4-Difluorobenzene (Surr)	*124*		*70 - 130*	*06/12/21 11:00*	*06/13/21 01:59*	*1*

Method: 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		06/13/21 10:54	06/14/21 05:39	1

Client Sample Results

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Client Sample ID: SW11

Lab Sample ID: 890-799-23
Matrix: Solid
Date Collected: 06/11/21 07:55
Date Received: 06/11/21 10:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U *-	49.9		mg/Kg		06/13/21 10:54	06/14/21 05:39	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/13/21 10:54	06/14/21 05:39	1
Total TPH	<49.9	U	49.9		mg/Kg		06/13/21 10:54	06/14/21 05:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*06/13/21 10:54*	*06/14/21 05:39*	*1*
o-Terphenyl	*72*		*70 - 130*	*06/13/21 10:54*	*06/14/21 05:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**556**		4.99		mg/Kg			06/15/21 17:36	1

Client Sample ID: SW12

Lab Sample ID: 890-799-24
Matrix: Solid
Date Collected: 06/11/21 08:00
Date Received: 06/11/21 10:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/13/21 02:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/13/21 02:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/13/21 02:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/12/21 11:00	06/13/21 02:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/13/21 02:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/12/21 11:00	06/13/21 02:20	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/12/21 11:00	06/13/21 02:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*06/12/21 11:00*	*06/13/21 02:20*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*06/12/21 11:00*	*06/13/21 02:20*	*1*

Method: 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		06/13/21 10:54	06/14/21 06:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U *-	50.0		mg/Kg		06/13/21 10:54	06/14/21 06:00	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/13/21 10:54	06/14/21 06:00	1
Total TPH	<50.0	U	50.0		mg/Kg		06/13/21 10:54	06/14/21 06:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*06/13/21 10:54*	*06/14/21 06:00*	*1*
o-Terphenyl	*72*		*70 - 130*	*06/13/21 10:54*	*06/14/21 06:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**508**		5.05		mg/Kg			06/14/21 21:38	1

Client Sample Results

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Client Sample ID: SW13

Lab Sample ID: 890-799-25
Matrix: Solid
Date Collected: 06/11/21 08:05
Date Received: 06/11/21 10:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/13/21 02:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/13/21 02:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/13/21 02:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/12/21 11:00	06/13/21 02:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/13/21 02:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/12/21 11:00	06/13/21 02:40	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/12/21 11:00	06/13/21 02:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*06/12/21 11:00*	*06/13/21 02:40*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*06/12/21 11:00*	*06/13/21 02:40*	*1*

Method: 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		06/13/21 10:54	06/14/21 06:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U *-	50.0		mg/Kg		06/13/21 10:54	06/14/21 06:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/13/21 10:54	06/14/21 06:21	1
Total TPH	<50.0	U	50.0		mg/Kg		06/13/21 10:54	06/14/21 06:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*06/13/21 10:54*	*06/14/21 06:21*	*1*
o-Terphenyl	*73*		*70 - 130*	*06/13/21 10:54*	*06/14/21 06:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**317**		4.99		mg/Kg			06/14/21 21:43	1

Client Sample ID: SW14

Lab Sample ID: 890-799-26
Matrix: Solid
Date Collected: 06/11/21 08:10
Date Received: 06/11/21 10:07

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/12/21 11:00	06/13/21 03:01	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/12/21 11:00	06/13/21 03:01	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/12/21 11:00	06/13/21 03:01	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/12/21 11:00	06/13/21 03:01	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/12/21 11:00	06/13/21 03:01	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/12/21 11:00	06/13/21 03:01	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		06/12/21 11:00	06/13/21 03:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*06/12/21 11:00*	*06/13/21 03:01*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*06/12/21 11:00*	*06/13/21 03:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *-	49.8		mg/Kg		06/13/21 10:54	06/14/21 06:42	1

Client Sample Results

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Client Sample ID: SW14
Date Collected: 06/11/21 08:10
Date Received: 06/11/21 10:07

Lab Sample ID: 890-799-26
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U *-	49.8		mg/Kg		06/13/21 10:54	06/14/21 06:42	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/13/21 10:54	06/14/21 06:42	1
Total TPH	<49.8	U	49.8		mg/Kg		06/13/21 10:54	06/14/21 06:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*06/13/21 10:54*	*06/14/21 06:42*	*1*
o-Terphenyl	*69*	*S1-*	*70 - 130*	*06/13/21 10:54*	*06/14/21 06:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**577**		4.97		mg/Kg			06/14/21 21:58	1

Surrogate Summary

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-799-1	FS1	92	94
890-799-2	FS2	105	104
890-799-3	FS3	84	95
890-799-4	FS4	104	93
890-799-5	FS5	94	91
890-799-6	FS6	90	92
890-799-7	FS7	95	92
890-799-8	FS8	0.2 S1-	100
890-799-9	FS9	99	105
890-799-9 MS	FS9	356 S1+	158 S1+
890-799-9 MSD	FS9	135 S1+	144 S1+
890-799-10	FS10	227 S1+	85
890-799-11	FS11	108	112
890-799-12	FS12	108	121
890-799-13	SW1	289 S1+	112
890-799-14	SW2	101	114
890-799-15	SW3	127	121
890-799-16	SW4	98	117
890-799-17	SW5	103	130
890-799-18	SW6	91	109
890-799-19	SW7	90	109
890-799-20	SW8	94	113
890-799-21	SW9	225 S1+	88
890-799-22	SW10	107	111
890-799-23	SW11	110	124
890-799-24	SW12	113	117
890-799-25	SW13	120	110
890-799-26	SW14	98	111
LCS 880-4041/1-A	Lab Control Sample	115	104
LCS 880-4043/1-A	Lab Control Sample	91	100
LCSD 880-4041/2-A	Lab Control Sample Dup	115	104
LCSD 880-4043/2-A	Lab Control Sample Dup	87	101
MB 880-4041/5-A	Method Blank	90	92
MB 880-4043/5-A	Method Blank	100	97

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**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-799-1	FS1	86	83
890-799-1 MS	FS1	90	82
890-799-1 MSD	FS1	89	77
890-799-2	FS2	102	100
890-799-3	FS3	91	85

Surrogate Summary

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
890-799-4	FS4	84	82								
890-799-5	FS5	99	96								
890-799-6	FS6	54 S1-	93								
890-799-7	FS7	77	72								
890-799-8	FS8	80	79								
890-799-9	FS9	85	81								
890-799-10	FS10	87	80								
890-799-11	FS11	91	88								
890-799-12	FS12	107	102								
890-799-13	SW1	92	88								
890-799-14	SW2	87	83								
890-799-15	SW3	82	79								
890-799-16	SW4	104	98								
890-799-17	SW5	89	87								
890-799-18	SW6	93	91								
890-799-19	SW7	91	89								
890-799-20	SW8	80	78								
890-799-21	SW9	79	71								
890-799-22	SW10	81	71								
890-799-23	SW11	80	72								
890-799-24	SW12	81	72								
890-799-25	SW13	81	73								
890-799-26	SW14	78	69 S1-								
LCS 880-4071/2-A	Lab Control Sample	94	79								
LCS 880-4072/2-A	Lab Control Sample	81	74								
LCSD 880-4071/3-A	Lab Control Sample Dup	89	78								
LCSD 880-4072/3-A	Lab Control Sample Dup	80	73								
MB 880-4071/1-A	Method Blank	88	80								
MB 880-4072/1-A	Method Blank	105	101								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-4041/5-A
Matrix: Solid
Analysis Batch: 4044

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4041

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:30	06/12/21 19:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:30	06/12/21 19:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:30	06/12/21 19:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/12/21 11:30	06/12/21 19:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:30	06/12/21 19:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/12/21 11:30	06/12/21 19:49	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/12/21 11:30	06/12/21 19:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*06/12/21 11:30*	*06/12/21 19:49*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*06/12/21 11:30*	*06/12/21 19:49*	*1*

Lab Sample ID: LCS 880-4041/1-A
Matrix: Solid
Analysis Batch: 4044

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4041

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1007		mg/Kg		101	70 - 130		
Toluene			0.100	0.09649		mg/Kg		96	70 - 130		
Ethylbenzene			0.100	0.1005		mg/Kg		101	70 - 130		
m-Xylene & p-Xylene			0.200	0.2175		mg/Kg		109	70 - 130		
o-Xylene			0.100	0.1095		mg/Kg		109	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 880-4041/2-A
Matrix: Solid
Analysis Batch: 4044

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4041

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09597		mg/Kg		96	70 - 130	5	35
Toluene			0.100	0.09182		mg/Kg		92	70 - 130	5	35
Ethylbenzene			0.100	0.09593		mg/Kg		96	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.2070		mg/Kg		104	70 - 130	5	35
o-Xylene			0.100	0.1044		mg/Kg		104	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: MB 880-4043/5-A
Matrix: Solid
Analysis Batch: 4046

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4043

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/12/21 19:47	1

QC Sample Results

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

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

Lab Sample ID: MB 880-4043/5-A
Matrix: Solid
Analysis Batch: 4046

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4043

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/12/21 19:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/12/21 19:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/12/21 11:00	06/12/21 19:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/12/21 11:00	06/12/21 19:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/12/21 11:00	06/12/21 19:47	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		06/12/21 11:00	06/12/21 19:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*06/12/21 11:00*	*06/12/21 19:47*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/12/21 11:00*	*06/12/21 19:47*	*1*

Lab Sample ID: LCS 880-4043/1-A
Matrix: Solid
Analysis Batch: 4046

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4043

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09634		mg/Kg		96	70 - 130
Toluene	0.100	0.09954		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.09843		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.1904		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09576		mg/Kg		96	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-4043/2-A
Matrix: Solid
Analysis Batch: 4046

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4043

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08389		mg/Kg		84	70 - 130	14	35
Toluene	0.100	0.09050		mg/Kg		91	70 - 130	10	35
Ethylbenzene	0.100	0.09040		mg/Kg		90	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.1887		mg/Kg		94	70 - 130	1	35
o-Xylene	0.100	0.08744		mg/Kg		87	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 890-799-9 MS
Matrix: Solid
Analysis Batch: 4046

Client Sample ID: FS9
Prep Type: Total/NA
Prep Batch: 4043

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F1 F2	0.0994	0.02772	F1	mg/Kg		28	70 - 130
Toluene	<0.00200	U F1 F2	0.0994	0.2124	F1	mg/Kg		214	70 - 130

QC Sample Results

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

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

Lab Sample ID: 890-799-9 MS
Matrix: Solid
Analysis Batch: 4046

Client Sample ID: FS9
Prep Type: Total/NA
Prep Batch: 4043

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U F1 F2	0.0994	0.2420	F1	mg/Kg		243	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.199	0.5959	F1	mg/Kg		300	70 - 130
o-Xylene	<0.00200	U F1 F2	0.0994	0.2453	F1	mg/Kg		247	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*356*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*158*	*S1+*	*70 - 130*

Lab Sample ID: 890-799-9 MSD
Matrix: Solid
Analysis Batch: 4046

Client Sample ID: FS9
Prep Type: Total/NA
Prep Batch: 4043

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1 F2	0.100	0.07304	F2	mg/Kg		73	70 - 130	90	35
Toluene	<0.00200	U F1 F2	0.100	0.1058	F2	mg/Kg		106	70 - 130	67	35
Ethylbenzene	<0.00200	U F1 F2	0.100	0.1036	F2	mg/Kg		104	70 - 130	80	35
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.200	0.2229	F2	mg/Kg		111	70 - 130	91	35
o-Xylene	<0.00200	U F1 F2	0.100	0.1067	F2	mg/Kg		107	70 - 130	79	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*144*	*S1+*	*70 - 130*

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

Lab Sample ID: MB 880-4071/1-A
Matrix: Solid
Analysis Batch: 4067

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4071

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		06/13/21 10:54	06/13/21 23:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/13/21 10:54	06/13/21 23:23	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/13/21 10:54	06/13/21 23:23	1
Total TPH	<50.0	U	50.0		mg/Kg		06/13/21 10:54	06/13/21 23:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*06/13/21 10:54*	*06/13/21 23:23*	*1*
o-Terphenyl	*80*		*70 - 130*	*06/13/21 10:54*	*06/13/21 23:23*	*1*

Lab Sample ID: LCS 880-4071/2-A
Matrix: Solid
Analysis Batch: 4067

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4071

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000000	930.4	*-	mg/Kg		0.09	70 - 130

QC Sample Results

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

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

Lab Sample ID: LCS 880-4071/2-A
Matrix: Solid
Analysis Batch: 4067

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4071

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics (Over C10-C28)			1000000	996.5	*-	mg/Kg		0.1	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*94*		*70 - 130*
o-Terphenyl	*79*		*70 - 130*

Lab Sample ID: LCSD 880-4071/3-A
Matrix: Solid
Analysis Batch: 4067

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4071

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000000	904.4	*-	mg/Kg		0.09	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000000	1004	*-	mg/Kg		0.1	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*89*		*70 - 130*
o-Terphenyl	*78*		*70 - 130*

Lab Sample ID: MB 880-4072/1-A
Matrix: Solid
Analysis Batch: 4080

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4072

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		06/14/21 09:07	06/14/21 12:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/14/21 09:07	06/14/21 12:20	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/14/21 09:07	06/14/21 12:20	1
Total TPH	<50.0	U	50.0		mg/Kg		06/14/21 09:07	06/14/21 12:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*06/14/21 09:07*	*06/14/21 12:20*	*1*
o-Terphenyl	*101*		*70 - 130*	*06/14/21 09:07*	*06/14/21 12:20*	*1*

Lab Sample ID: LCS 880-4072/2-A
Matrix: Solid
Analysis Batch: 4080

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4072

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	792.2		mg/Kg		79	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	863.0		mg/Kg		86	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*81*		*70 - 130*

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

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

Lab Sample ID: LCS 880-4072/2-A
Matrix: Solid
Analysis Batch: 4080

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4072

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	74		70 - 130

Lab Sample ID: LCSD 880-4072/3-A
Matrix: Solid
Analysis Batch: 4080

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4072

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	763.3		mg/Kg		76	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	850.0		mg/Kg		85	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	80		70 - 130
o-Terphenyl	73		70 - 130

Lab Sample ID: 890-799-1 MS
Matrix: Solid
Analysis Batch: 4080

Client Sample ID: FS1
Prep Type: Total/NA
Prep Batch: 4072

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	999	841.6		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)	<49.7	U	999	1036		mg/Kg		102	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	82		70 - 130

Lab Sample ID: 890-799-1 MSD
Matrix: Solid
Analysis Batch: 4080

Client Sample ID: FS1
Prep Type: Total/NA
Prep Batch: 4072

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	997	911.0		mg/Kg		91	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<49.7	U	997	980.4		mg/Kg		97	70 - 130	6	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	77		70 - 130

QC Sample Results

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-4084/1-A
Matrix: Solid
Analysis Batch: 4096

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/14/21 20:00	1

Lab Sample ID: LCS 880-4084/2-A
Matrix: Solid
Analysis Batch: 4096

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	248.8		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-4084/3-A
Matrix: Solid
Analysis Batch: 4096

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	248.5		mg/Kg		99	90 - 110	0	20

Lab Sample ID: MB 880-4086/1-A
Matrix: Solid
Analysis Batch: 4124

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/15/21 15:09	1

Lab Sample ID: LCS 880-4086/2-A
Matrix: Solid
Analysis Batch: 4124

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	245.7		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-4086/3-A
Matrix: Solid
Analysis Batch: 4124

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	245.5		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 890-799-14 MS
Matrix: Solid
Analysis Batch: 4124

Client Sample ID: SW2
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	503	F1	250	719.9	F1	mg/Kg		87	90 - 110		

Lab Sample ID: 890-799-14 MSD
Matrix: Solid
Analysis Batch: 4124

Client Sample ID: SW2
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	503	F1	250	719.3	F1	mg/Kg		87	90 - 110	0	20

QC Sample Results

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-4087/1-A
Matrix: Solid
Analysis Batch: 4125

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/15/21 23:29	1

Lab Sample ID: LCS 880-4087/2-A
Matrix: Solid
Analysis Batch: 4125

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	248.0		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-4087/3-A
Matrix: Solid
Analysis Batch: 4125

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	248.2		mg/Kg		99	90 - 110	0	20

QC Association Summary

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

GC VOA

Prep Batch: 4041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-799-1	FS1	Total/NA	Solid	5035	
890-799-2	FS2	Total/NA	Solid	5035	
890-799-3	FS3	Total/NA	Solid	5035	
890-799-4	FS4	Total/NA	Solid	5035	
890-799-5	FS5	Total/NA	Solid	5035	
890-799-6	FS6	Total/NA	Solid	5035	
890-799-7	FS7	Total/NA	Solid	5035	
890-799-8	FS8	Total/NA	Solid	5035	
MB 880-4041/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-4041/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-4041/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 4043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-799-9	FS9	Total/NA	Solid	5035	
890-799-10	FS10	Total/NA	Solid	5035	
890-799-11	FS11	Total/NA	Solid	5035	
890-799-12	FS12	Total/NA	Solid	5035	
890-799-13	SW1	Total/NA	Solid	5035	
890-799-14	SW2	Total/NA	Solid	5035	
890-799-15	SW3	Total/NA	Solid	5035	
890-799-16	SW4	Total/NA	Solid	5035	
890-799-17	SW5	Total/NA	Solid	5035	
890-799-18	SW6	Total/NA	Solid	5035	
890-799-19	SW7	Total/NA	Solid	5035	
890-799-20	SW8	Total/NA	Solid	5035	
890-799-21	SW9	Total/NA	Solid	5035	
890-799-22	SW10	Total/NA	Solid	5035	
890-799-23	SW11	Total/NA	Solid	5035	
890-799-24	SW12	Total/NA	Solid	5035	
890-799-25	SW13	Total/NA	Solid	5035	
890-799-26	SW14	Total/NA	Solid	5035	
MB 880-4043/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-4043/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-4043/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-799-9 MS	FS9	Total/NA	Solid	5035	
890-799-9 MSD	FS9	Total/NA	Solid	5035	

Analysis Batch: 4044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-799-1	FS1	Total/NA	Solid	8021B	4041
890-799-2	FS2	Total/NA	Solid	8021B	4041
890-799-3	FS3	Total/NA	Solid	8021B	4041
890-799-4	FS4	Total/NA	Solid	8021B	4041
890-799-5	FS5	Total/NA	Solid	8021B	4041
890-799-6	FS6	Total/NA	Solid	8021B	4041
890-799-7	FS7	Total/NA	Solid	8021B	4041
890-799-8	FS8	Total/NA	Solid	8021B	4041
MB 880-4041/5-A	Method Blank	Total/NA	Solid	8021B	4041
LCS 880-4041/1-A	Lab Control Sample	Total/NA	Solid	8021B	4041
LCSD 880-4041/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	4041

QC Association Summary

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

GC VOA

Analysis Batch: 4046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-799-9	FS9	Total/NA	Solid	8021B	4043
890-799-10	FS10	Total/NA	Solid	8021B	4043
890-799-11	FS11	Total/NA	Solid	8021B	4043
890-799-12	FS12	Total/NA	Solid	8021B	4043
890-799-13	SW1	Total/NA	Solid	8021B	4043
890-799-14	SW2	Total/NA	Solid	8021B	4043
890-799-15	SW3	Total/NA	Solid	8021B	4043
890-799-16	SW4	Total/NA	Solid	8021B	4043
890-799-17	SW5	Total/NA	Solid	8021B	4043
890-799-18	SW6	Total/NA	Solid	8021B	4043
890-799-19	SW7	Total/NA	Solid	8021B	4043
890-799-20	SW8	Total/NA	Solid	8021B	4043
890-799-21	SW9	Total/NA	Solid	8021B	4043
890-799-22	SW10	Total/NA	Solid	8021B	4043
890-799-23	SW11	Total/NA	Solid	8021B	4043
890-799-24	SW12	Total/NA	Solid	8021B	4043
890-799-25	SW13	Total/NA	Solid	8021B	4043
890-799-26	SW14	Total/NA	Solid	8021B	4043
MB 880-4043/5-A	Method Blank	Total/NA	Solid	8021B	4043
LCS 880-4043/1-A	Lab Control Sample	Total/NA	Solid	8021B	4043
LCSD 880-4043/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	4043
890-799-9 MS	FS9	Total/NA	Solid	8021B	4043
890-799-9 MSD	FS9	Total/NA	Solid	8021B	4043

GC Semi VOA

Analysis Batch: 4067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-799-21	SW9	Total/NA	Solid	8015B NM	4071
890-799-22	SW10	Total/NA	Solid	8015B NM	4071
890-799-23	SW11	Total/NA	Solid	8015B NM	4071
890-799-24	SW12	Total/NA	Solid	8015B NM	4071
890-799-25	SW13	Total/NA	Solid	8015B NM	4071
890-799-26	SW14	Total/NA	Solid	8015B NM	4071
MB 880-4071/1-A	Method Blank	Total/NA	Solid	8015B NM	4071
LCS 880-4071/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	4071
LCSD 880-4071/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	4071

Prep Batch: 4071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-799-21	SW9	Total/NA	Solid	8015NM Prep	
890-799-22	SW10	Total/NA	Solid	8015NM Prep	
890-799-23	SW11	Total/NA	Solid	8015NM Prep	
890-799-24	SW12	Total/NA	Solid	8015NM Prep	
890-799-25	SW13	Total/NA	Solid	8015NM Prep	
890-799-26	SW14	Total/NA	Solid	8015NM Prep	
MB 880-4071/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-4071/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-4071/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

GC Semi VOA

Prep Batch: 4072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-799-1	FS1	Total/NA	Solid	8015NM Prep	
890-799-2	FS2	Total/NA	Solid	8015NM Prep	
890-799-3	FS3	Total/NA	Solid	8015NM Prep	
890-799-4	FS4	Total/NA	Solid	8015NM Prep	
890-799-5	FS5	Total/NA	Solid	8015NM Prep	
890-799-6	FS6	Total/NA	Solid	8015NM Prep	
890-799-7	FS7	Total/NA	Solid	8015NM Prep	
890-799-8	FS8	Total/NA	Solid	8015NM Prep	
890-799-9	FS9	Total/NA	Solid	8015NM Prep	
890-799-10	FS10	Total/NA	Solid	8015NM Prep	
890-799-11	FS11	Total/NA	Solid	8015NM Prep	
890-799-12	FS12	Total/NA	Solid	8015NM Prep	
890-799-13	SW1	Total/NA	Solid	8015NM Prep	
890-799-14	SW2	Total/NA	Solid	8015NM Prep	
890-799-15	SW3	Total/NA	Solid	8015NM Prep	
890-799-16	SW4	Total/NA	Solid	8015NM Prep	
890-799-17	SW5	Total/NA	Solid	8015NM Prep	
890-799-18	SW6	Total/NA	Solid	8015NM Prep	
890-799-19	SW7	Total/NA	Solid	8015NM Prep	
890-799-20	SW8	Total/NA	Solid	8015NM Prep	
MB 880-4072/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-4072/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-4072/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-799-1 MS	FS1	Total/NA	Solid	8015NM Prep	
890-799-1 MSD	FS1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 4080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-799-1	FS1	Total/NA	Solid	8015B NM	4072
890-799-2	FS2	Total/NA	Solid	8015B NM	4072
890-799-3	FS3	Total/NA	Solid	8015B NM	4072
890-799-4	FS4	Total/NA	Solid	8015B NM	4072
890-799-5	FS5	Total/NA	Solid	8015B NM	4072
890-799-6	FS6	Total/NA	Solid	8015B NM	4072
890-799-7	FS7	Total/NA	Solid	8015B NM	4072
890-799-8	FS8	Total/NA	Solid	8015B NM	4072
890-799-9	FS9	Total/NA	Solid	8015B NM	4072
890-799-10	FS10	Total/NA	Solid	8015B NM	4072
890-799-11	FS11	Total/NA	Solid	8015B NM	4072
890-799-12	FS12	Total/NA	Solid	8015B NM	4072
890-799-13	SW1	Total/NA	Solid	8015B NM	4072
890-799-14	SW2	Total/NA	Solid	8015B NM	4072
890-799-15	SW3	Total/NA	Solid	8015B NM	4072
890-799-16	SW4	Total/NA	Solid	8015B NM	4072
890-799-17	SW5	Total/NA	Solid	8015B NM	4072
890-799-18	SW6	Total/NA	Solid	8015B NM	4072
890-799-19	SW7	Total/NA	Solid	8015B NM	4072
890-799-20	SW8	Total/NA	Solid	8015B NM	4072
MB 880-4072/1-A	Method Blank	Total/NA	Solid	8015B NM	4072
LCS 880-4072/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	4072
LCSD 880-4072/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	4072

QC Association Summary

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

GC Semi VOA (Continued)

Analysis Batch: 4080 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-799-1 MS	FS1	Total/NA	Solid	8015B NM	4072
890-799-1 MSD	FS1	Total/NA	Solid	8015B NM	4072

HPLC/IC

Leach Batch: 4084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-799-24	SW12	Soluble	Solid	DI Leach	
890-799-25	SW13	Soluble	Solid	DI Leach	
890-799-26	SW14	Soluble	Solid	DI Leach	
MB 880-4084/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-4084/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-4084/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 4086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-799-10	FS10	Soluble	Solid	DI Leach	
890-799-11	FS11	Soluble	Solid	DI Leach	
890-799-12	FS12	Soluble	Solid	DI Leach	
890-799-13	SW1	Soluble	Solid	DI Leach	
890-799-14	SW2	Soluble	Solid	DI Leach	
890-799-15	SW3	Soluble	Solid	DI Leach	
890-799-16	SW4	Soluble	Solid	DI Leach	
890-799-17	SW5	Soluble	Solid	DI Leach	
890-799-18	SW6	Soluble	Solid	DI Leach	
890-799-19	SW7	Soluble	Solid	DI Leach	
890-799-20	SW8	Soluble	Solid	DI Leach	
890-799-21	SW9	Soluble	Solid	DI Leach	
890-799-22	SW10	Soluble	Solid	DI Leach	
890-799-23	SW11	Soluble	Solid	DI Leach	
MB 880-4086/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-4086/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-4086/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-799-14 MS	SW2	Soluble	Solid	DI Leach	
890-799-14 MSD	SW2	Soluble	Solid	DI Leach	

Leach Batch: 4087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-799-1	FS1	Soluble	Solid	DI Leach	
890-799-2	FS2	Soluble	Solid	DI Leach	
890-799-3	FS3	Soluble	Solid	DI Leach	
890-799-4	FS4	Soluble	Solid	DI Leach	
890-799-5	FS5	Soluble	Solid	DI Leach	
890-799-6	FS6	Soluble	Solid	DI Leach	
890-799-7	FS7	Soluble	Solid	DI Leach	
890-799-8	FS8	Soluble	Solid	DI Leach	
890-799-9	FS9	Soluble	Solid	DI Leach	
MB 880-4087/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-4087/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-4087/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

HPLC/IC

Analysis Batch: 4096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-799-24	SW12	Soluble	Solid	300.0	4084
890-799-25	SW13	Soluble	Solid	300.0	4084
890-799-26	SW14	Soluble	Solid	300.0	4084
MB 880-4084/1-A	Method Blank	Soluble	Solid	300.0	4084
LCS 880-4084/2-A	Lab Control Sample	Soluble	Solid	300.0	4084
LCSD 880-4084/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	4084

Analysis Batch: 4124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-799-10	FS10	Soluble	Solid	300.0	4086
890-799-11	FS11	Soluble	Solid	300.0	4086
890-799-12	FS12	Soluble	Solid	300.0	4086
890-799-13	SW1	Soluble	Solid	300.0	4086
890-799-14	SW2	Soluble	Solid	300.0	4086
890-799-15	SW3	Soluble	Solid	300.0	4086
890-799-16	SW4	Soluble	Solid	300.0	4086
890-799-17	SW5	Soluble	Solid	300.0	4086
890-799-18	SW6	Soluble	Solid	300.0	4086
890-799-19	SW7	Soluble	Solid	300.0	4086
890-799-20	SW8	Soluble	Solid	300.0	4086
890-799-21	SW9	Soluble	Solid	300.0	4086
890-799-22	SW10	Soluble	Solid	300.0	4086
890-799-23	SW11	Soluble	Solid	300.0	4086
MB 880-4086/1-A	Method Blank	Soluble	Solid	300.0	4086
LCS 880-4086/2-A	Lab Control Sample	Soluble	Solid	300.0	4086
LCSD 880-4086/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	4086
890-799-14 MS	SW2	Soluble	Solid	300.0	4086
890-799-14 MSD	SW2	Soluble	Solid	300.0	4086

Analysis Batch: 4125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-799-1	FS1	Soluble	Solid	300.0	4087
890-799-2	FS2	Soluble	Solid	300.0	4087
890-799-3	FS3	Soluble	Solid	300.0	4087
890-799-4	FS4	Soluble	Solid	300.0	4087
890-799-5	FS5	Soluble	Solid	300.0	4087
890-799-6	FS6	Soluble	Solid	300.0	4087
890-799-7	FS7	Soluble	Solid	300.0	4087
890-799-8	FS8	Soluble	Solid	300.0	4087
890-799-9	FS9	Soluble	Solid	300.0	4087
MB 880-4087/1-A	Method Blank	Soluble	Solid	300.0	4087
LCS 880-4087/2-A	Lab Control Sample	Soluble	Solid	300.0	4087
LCSD 880-4087/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	4087

Lab Chronicle

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Client Sample ID: FS1

Lab Sample ID: 890-799-1
Matrix: Solid
Date Collected: 06/11/21 05:45
Date Received: 06/11/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	4041	06/12/21 11:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4044	06/13/21 01:16	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	4072	06/14/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4080	06/14/21 13:23	AM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	4087	06/14/21 11:59	CH	XEN MID
Soluble	Analysis	300.0		1			4125	06/16/21 01:07	CH	XEN MID

Client Sample ID: FS2

Lab Sample ID: 890-799-2
Matrix: Solid
Date Collected: 06/11/21 05:55
Date Received: 06/11/21 10:07

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	4041	06/12/21 11:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4044	06/13/21 01:37	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	4072	06/14/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4080	06/14/21 14:26	AM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	4087	06/14/21 11:59	CH	XEN MID
Soluble	Analysis	300.0		1			4125	06/16/21 01:12	CH	XEN MID

Client Sample ID: FS3

Lab Sample ID: 890-799-3
Matrix: Solid
Date Collected: 06/11/21 06:05
Date Received: 06/11/21 10:07

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	4041	06/12/21 11:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4044	06/13/21 01:57	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	4072	06/14/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4080	06/14/21 14:47	AM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	4087	06/14/21 11:59	CH	XEN MID
Soluble	Analysis	300.0		1			4125	06/16/21 01:27	CH	XEN MID

Client Sample ID: FS4

Lab Sample ID: 890-799-4
Matrix: Solid
Date Collected: 06/11/21 06:09
Date Received: 06/11/21 10:07

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	4041	06/12/21 11:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4044	06/13/21 02:17	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	4072	06/14/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4080	06/14/21 15:08	AM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	4087	06/14/21 11:59	CH	XEN MID
Soluble	Analysis	300.0		1			4125	06/16/21 01:31	CH	XEN MID

Lab Chronicle

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Client Sample ID: FS5

Lab Sample ID: 890-799-5
Matrix: Solid
Date Collected: 06/11/21 06:18
Date Received: 06/11/21 10:07

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	4041	06/12/21 11:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4044	06/13/21 02:38	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	4072	06/14/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4080	06/14/21 15:29	AM	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	4087	06/14/21 11:59	CH	XEN MID
Soluble	Analysis	300.0		1			4125	06/16/21 01:36	CH	XEN MID

Client Sample ID: FS6

Lab Sample ID: 890-799-6
Matrix: Solid
Date Collected: 06/11/21 06:28
Date Received: 06/11/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	4041	06/12/21 11:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4044	06/13/21 02:58	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	4072	06/14/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4080	06/14/21 15:50	AM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	4087	06/14/21 11:59	CH	XEN MID
Soluble	Analysis	300.0		1			4125	06/16/21 01:41	CH	XEN MID

Client Sample ID: FS7

Lab Sample ID: 890-799-7
Matrix: Solid
Date Collected: 06/11/21 06:35
Date Received: 06/11/21 10:07

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	4041	06/12/21 11:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4044	06/13/21 03:19	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	4072	06/14/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4080	06/14/21 16:11	AM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	4087	06/14/21 11:59	CH	XEN MID
Soluble	Analysis	300.0		1			4125	06/16/21 01:46	CH	XEN MID

Client Sample ID: FS8

Lab Sample ID: 890-799-8
Matrix: Solid
Date Collected: 06/11/21 06:40
Date Received: 06/11/21 10:07

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	4041	06/12/21 11:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4044	06/13/21 03:39	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	4072	06/14/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4080	06/14/21 16:32	AM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	4087	06/14/21 11:59	CH	XEN MID
Soluble	Analysis	300.0		1			4125	06/16/21 01:51	CH	XEN MID

Lab Chronicle

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Client Sample ID: FS9
Date Collected: 06/11/21 06:45
Date Received: 06/11/21 10:07

Lab Sample ID: 890-799-9
Matrix: Solid

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	4043	06/12/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4046	06/12/21 20:08	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	4072	06/14/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4080	06/14/21 16:53	AM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	4087	06/14/21 11:59	CH	XEN MID
Soluble	Analysis	300.0		1			4125	06/16/21 01:56	CH	XEN MID

Client Sample ID: FS10
Date Collected: 06/11/21 06:50
Date Received: 06/11/21 10:07

Lab Sample ID: 890-799-10
Matrix: Solid

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	4043	06/12/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4046	06/12/21 20:29	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	4072	06/14/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4080	06/14/21 17:15	AM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	4086	06/14/21 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			4124	06/15/21 16:12	CH	XEN MID

Client Sample ID: FS11
Date Collected: 06/11/21 06:55
Date Received: 06/11/21 10:07

Lab Sample ID: 890-799-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	4043	06/12/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4046	06/12/21 20:50	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	4072	06/14/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4080	06/14/21 18:04	AM	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	4086	06/14/21 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			4124	06/15/21 16:17	CH	XEN MID

Client Sample ID: FS12
Date Collected: 06/11/21 07:00
Date Received: 06/11/21 10:07

Lab Sample ID: 890-799-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	4043	06/12/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4046	06/12/21 21:10	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	4072	06/14/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4080	06/14/21 18:25	AM	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	4086	06/14/21 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			4124	06/15/21 16:22	CH	XEN MID

Lab Chronicle

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Client Sample ID: SW1

Lab Sample ID: 890-799-13
Matrix: Solid
Date Collected: 06/11/21 07:05
Date Received: 06/11/21 10:07

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	4043	06/12/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4046	06/12/21 21:31	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	4072	06/14/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4080	06/14/21 18:46	AM	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	4086	06/14/21 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			4124	06/15/21 16:27	CH	XEN MID

Client Sample ID: SW2

Lab Sample ID: 890-799-14
Matrix: Solid
Date Collected: 06/11/21 07:10
Date Received: 06/11/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	4043	06/12/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4046	06/12/21 21:52	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	4072	06/14/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4080	06/14/21 19:06	AM	XEN MID
Soluble	Leach	DI Leach			5.00 g	50 mL	4086	06/14/21 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			4124	06/15/21 16:32	CH	XEN MID

Client Sample ID: SW3

Lab Sample ID: 890-799-15
Matrix: Solid
Date Collected: 06/11/21 07:15
Date Received: 06/11/21 10:07

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	4043	06/12/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4046	06/12/21 22:12	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	4072	06/14/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4080	06/14/21 19:27	AM	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	4086	06/14/21 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			4124	06/15/21 16:47	CH	XEN MID

Client Sample ID: SW4

Lab Sample ID: 890-799-16
Matrix: Solid
Date Collected: 06/11/21 07:20
Date Received: 06/11/21 10:07

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	4043	06/12/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4046	06/12/21 22:33	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	4072	06/14/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4080	06/14/21 19:48	AM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	4086	06/14/21 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			4124	06/15/21 16:51	CH	XEN MID

Lab Chronicle

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Client Sample ID: SW5

Lab Sample ID: 890-799-17
Matrix: Solid
Date Collected: 06/11/21 07:25
Date Received: 06/11/21 10:07

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	4043	06/12/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4046	06/12/21 22:54	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	4072	06/14/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4080	06/14/21 20:09	AM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	4086	06/14/21 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			4124	06/15/21 17:06	CH	XEN MID

Client Sample ID: SW6

Lab Sample ID: 890-799-18
Matrix: Solid
Date Collected: 06/11/21 07:30
Date Received: 06/11/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	4043	06/12/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4046	06/12/21 23:14	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	4072	06/14/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4080	06/14/21 20:30	AM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	4086	06/14/21 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			4124	06/15/21 17:11	CH	XEN MID

Client Sample ID: SW7

Lab Sample ID: 890-799-19
Matrix: Solid
Date Collected: 06/11/21 07:35
Date Received: 06/11/21 10:07

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	4043	06/12/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4046	06/13/21 00:37	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	4072	06/14/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4080	06/14/21 20:50	AM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	4086	06/14/21 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			4124	06/15/21 17:16	CH	XEN MID

Client Sample ID: SW8

Lab Sample ID: 890-799-20
Matrix: Solid
Date Collected: 06/11/21 07:40
Date Received: 06/11/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	4043	06/12/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4046	06/13/21 00:57	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	4072	06/14/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			4080	06/14/21 21:11	AM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	4086	06/14/21 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			4124	06/15/21 17:21	CH	XEN MID

Lab Chronicle

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Client Sample ID: SW9

Lab Sample ID: 890-799-21
Matrix: Solid
Date Collected: 06/11/21 07:45
Date Received: 06/11/21 10:07

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	4043	06/12/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4046	06/13/21 01:18	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	4071	06/13/21 10:54	AM	XEN MID
Total/NA	Analysis	8015B NM		1			4067	06/14/21 04:57	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	4086	06/14/21 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			4124	06/15/21 17:26	CH	XEN MID

Client Sample ID: SW10

Lab Sample ID: 890-799-22
Matrix: Solid
Date Collected: 06/11/21 07:50
Date Received: 06/11/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	4043	06/12/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4046	06/13/21 01:38	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	4071	06/13/21 10:54	AM	XEN MID
Total/NA	Analysis	8015B NM		1			4067	06/14/21 05:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	4086	06/14/21 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			4124	06/15/21 17:31	CH	XEN MID

Client Sample ID: SW11

Lab Sample ID: 890-799-23
Matrix: Solid
Date Collected: 06/11/21 07:55
Date Received: 06/11/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	4043	06/12/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4046	06/13/21 01:59	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	4071	06/13/21 10:54	AM	XEN MID
Total/NA	Analysis	8015B NM		1			4067	06/14/21 05:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	4086	06/14/21 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			4124	06/15/21 17:36	CH	XEN MID

Client Sample ID: SW12

Lab Sample ID: 890-799-24
Matrix: Solid
Date Collected: 06/11/21 08:00
Date Received: 06/11/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	4043	06/12/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4046	06/13/21 02:20	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	4071	06/13/21 10:54	AM	XEN MID
Total/NA	Analysis	8015B NM		1			4067	06/14/21 06:00	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	4084	06/14/21 11:54	CH	XEN MID
Soluble	Analysis	300.0		1			4096	06/14/21 21:38	CH	XEN MID

Lab Chronicle

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Client Sample ID: SW13

Lab Sample ID: 890-799-25

Date Collected: 06/11/21 08:05
Matrix: Solid
Date Received: 06/11/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	4043	06/12/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4046	06/13/21 02:40	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	4071	06/13/21 10:54	AM	XEN MID
Total/NA	Analysis	8015B NM		1			4067	06/14/21 06:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	4084	06/14/21 11:54	CH	XEN MID
Soluble	Analysis	300.0		1			4096	06/14/21 21:43	CH	XEN MID

Client Sample ID: SW14

Lab Sample ID: 890-799-26

Date Collected: 06/11/21 08:10
Matrix: Solid
Date Received: 06/11/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	4043	06/12/21 11:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	4046	06/13/21 03:01	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	4071	06/13/21 10:54	AM	XEN MID
Total/NA	Analysis	8015B NM		1			4067	06/14/21 06:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	4084	06/14/21 11:54	CH	XEN MID
Soluble	Analysis	300.0		1			4096	06/14/21 21:58	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

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
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

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

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: Contango Resources LLC
Project/Site: Sara Johnson Battery

Job ID: 890-799-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-799-1	FS1	Solid	06/11/21 05:45	06/11/21 10:07	0 - 5
890-799-2	FS2	Solid	06/11/21 05:55	06/11/21 10:07	0 - 5
890-799-3	FS3	Solid	06/11/21 06:05	06/11/21 10:07	0 - 5
890-799-4	FS4	Solid	06/11/21 06:09	06/11/21 10:07	0 - 5
890-799-5	FS5	Solid	06/11/21 06:18	06/11/21 10:07	0 - 5
890-799-6	FS6	Solid	06/11/21 06:28	06/11/21 10:07	0 - 5
890-799-7	FS7	Solid	06/11/21 06:35	06/11/21 10:07	0 - 5
890-799-8	FS8	Solid	06/11/21 06:40	06/11/21 10:07	0 - 5
890-799-9	FS9	Solid	06/11/21 06:45	06/11/21 10:07	0 - 5
890-799-10	FS10	Solid	06/11/21 06:50	06/11/21 10:07	0 - 5
890-799-11	FS11	Solid	06/11/21 06:55	06/11/21 10:07	0 - 5
890-799-12	FS12	Solid	06/11/21 07:00	06/11/21 10:07	0 - 5
890-799-13	SW1	Solid	06/11/21 07:05	06/11/21 10:07	
890-799-14	SW2	Solid	06/11/21 07:10	06/11/21 10:07	
890-799-15	SW3	Solid	06/11/21 07:15	06/11/21 10:07	
890-799-16	SW4	Solid	06/11/21 07:20	06/11/21 10:07	
890-799-17	SW5	Solid	06/11/21 07:25	06/11/21 10:07	
890-799-18	SW6	Solid	06/11/21 07:30	06/11/21 10:07	
890-799-19	SW7	Solid	06/11/21 07:35	06/11/21 10:07	
890-799-20	SW8	Solid	06/11/21 07:40	06/11/21 10:07	
890-799-21	SW9	Solid	06/11/21 07:45	06/11/21 10:07	
890-799-22	SW10	Solid	06/11/21 07:50	06/11/21 10:07	
890-799-23	SW11	Solid	06/11/21 07:55	06/11/21 10:07	
890-799-24	SW12	Solid	06/11/21 08:00	06/11/21 10:07	
890-799-25	SW13	Solid	06/11/21 08:05	06/11/21 10:07	
890-799-26	SW14	Solid	06/11/21 08:10	06/11/21 10:07	

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 3

Project Manager:	Jr Curtis	Bill to: (if different)	
Company Name:	Contango Resources LLC	Company Name:	Contango Resources LLC
Address:	11405 Lovington Hwy	Address:	717 Texas Ave Ste 2900
City, State ZIP:	Artesia NM 88210	City, State ZIP:	Houston TX 77002
Phone:	575-420-8175 Email:	Email:	Jr, Curtis@contango.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Sara Johnson Battery	Turn Around	Pres. Code
Project Number:		☑ Routine ☐ Rush	
Project Location:	Sara Johnson Battery	Due Date:	
Sampler's Name:	Jr Curtis	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT	Temp Blank: (Yes) No	Wet Ice: (Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	TNM-00
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	1.8
Total Containers:		Corrected Temperature:	1.6

ANALYSIS REQUEST

Parameters: Chloride (EPA 300) | TPH (8015M) | BTEX (8021B)

890-799 Chain of Custody

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Chloride (EPA 300)	TPH (8015M)	BTEX (8021B)	Sample Comments
FS 1 0"-5"	S	6-11-21	5:45 Am	0"-5"	Comp	1	X	X	X	
FS 2 0"-5"	S	6-11-21	5:55 Am	0"-5"	Comp	1	X	X	X	
FS 3 0"-5"	S	6-11-21	6:05 Am	0"-5"	Comp	1	X	X	X	
FS 4 0"-5"	S	6-11-21	6:09 AM	0"-5"	Comp	1	X	X	X	
FS 5 0"-5"	S	6-11-21	6:18 Am	0"-5"	Comp	1	X	X	X	
FS 6 0"-5"	S	6-11-21	6:28 Am	0"-5"	Comp	1	X	X	X	
FS 7 0"-5"	S	6-11-21	6:35 Am	0"-5"	Comp	1	X	X	X	
FS 8 0"-5"	S	6-11-21	6:40 Am	0"-5"	Comp	1	X	X	X	
FS 9 0"-5"	S	6-11-21	6:45 Am	0"-5"	Comp	1	X	X	X	
FS 10 0"-5"	S	6-11-21	6:50 Am	0"-5"	Comp	1	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	N. Ellis	6/11/21 10:07	2		
3			4		
5			6		

Revised Date 08/25/2020 Rev. 2020 2

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 2 of 3

Project Manager:	Jr Curtis	Bill to: (if different)	
Company Name:	Contango Resources LLC	Company Name:	Contango Resources LLC
Address:	11405 Lovington Hwy	Address:	717 Texas Ave Ste 2900
City, State ZIP:	Artesia NM 88210	City, State ZIP:	Houston TX 77002
Phone:	575-420-8175	Email:	Jr. Curtis@Contango.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Sara Johnson Battery	Turn Around	Pres. Code
Project Number:		☑ Routine ☐ Rush	
Project Location:	Sara Johnson Battery	Due Date:	
Sampler's Name:	Jr Curtis	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	T-NM-007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.8
Total Containers:		Corrected Temperature:	1.6

ANALYSIS REQUEST

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Chloride (EPA 300)	TPH (8015 M)	BTEX (8021 B)	Sample Comments
FS 11 0"-5"	S	6-11-21	6:55AM	0"-5"	Comp	1	X	X	X	
FS 12 0"-5"	S	6-11-21	7:00AM	0"-5"	Comp	1	X	X	X	
SW 1	S	6-11-21	7:05AM		Grab	1	X	X	X	
SW 2	S	6-11-21	7:10AM		Grab	1	X	X	X	
SW 3	S	6-11-21	7:15AM		Grab	1	X	X	X	
SW 4	S	6-11-21	7:20AM		Grab	1	X	X	X	
SW 5	S	6-11-21	7:25AM		Grab	1	X	X	✓	
SW 6	S	6-11-21	7:30AM		Grab	1	X	✓	X	
SW 7	S	6-11-21	7:35AM		Grab	1	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		6/11/21 / 10:07	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 3 of 3

Project Manager:	Jr Curtis	Bill to: (if different)	
Company Name:	Contango Resources LLC	Company Name:	Contango Resources LLC
Address:	11405 Lovington Hwy	Address:	717 Texas Ave Ste 2900
City, State ZIP:	Artesia NM 88210	City, State ZIP:	Houston TX 77002
Phone:	575-420-8175	Email:	Jr. Curtis@Contango.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Sara Johnson Battery	Turn Around	
Project Number:		☑ Routine ☐ Rush	
Project Location:	Sara Johnson Battery	Due Date:	
Sampler's Name:	Jr Curtis	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No		Thermometer ID:		
Cooler Custody Seals:	Yes No N/A		Correction Factor:	First	
Sample Custody Seals:	Yes No N/A		Temperature Reading:	Page	
Total Containers:			Corrected Temperature:		

ANALYSIS REQUEST

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2SO_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Parameters: Chloride (EPA 300)	TPH (8015 M)	BTEX (8021 B)	Sample Comments
SW 8	S	6-11-21	7:40AM		Grab	1	X	X	X	
SW 9	S	6-11-21	7:45AM		Grab	1	X	X	X	
SW 10	S	6-11-21	7:50AM		Grab	1	X	X	X	
SW 11	S	6-11-21	7:55AM		Grab	1	X	X	X	
SW 12	S	6-11-21	8:00 AM		Grab	1	X	X	X	
SW 13	S	6-11-21	8:05AM		Grab	1	X	X	X	
SW 14	S	6-11-21	8:10 AM		Grab	1	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		6/11/21 10:07	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020 2

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler	Lab PM: Builes John	Carrier Tracking No(s):	COC No: 890-258 1
Client Contact: Shipping/Receiving	Phone	E-Mail: john builes@eurofinset com	State of Origin: New Mexico	Page: Page 1 of 3
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-799-1
Address: 1211 W Florida Ave	Due Date Requested: 6/17/2021			
City: Midland	TAT Requested (days):			
State Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Sara Johnson Battery	Project #: 89000045			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep Full TPH	300_ORGFM_28D/DI_LEACH Chloride	8021B/5035FP_Calc BTEX	Total Number of containers	Special Instructions/Note
			Preservation Code:								
FS1 (890-799-1)	6/11/21	05 45 Mountain		Solid			X	X	X	1	
FS2 (890-799-2)	6/11/21	05 55 Mountain		Solid			X	X	X	1	
FS3 (890-799-3)	6/11/21	06 05 Mountain		Solid			X	X	X	1	
FS4 (890-799-4)	6/11/21	06 09 Mountain		Solid			X	X	X	1	
FS5 (890-799-5)	6/11/21	06 18 Mountain		Solid			X	X	X	1	
FS6 (890-799-6)	6/11/21	06 28 Mountain		Solid			X	X	X	1	
FS7 (890-799-7)	6/11/21	06 35 Mountain		Solid			X	X	X	1	
FS8 (890-799-8)	6/11/21	06 40 Mountain		Solid			X	X	X	1	
FS9 (890-799-9)	6/11/21	06 45 Mountain		Solid			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out 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/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

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

Special Instructions/QC Requirements.

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by: Cloe Cuff 6.11.21	Date/Time:	Company	Received by:	Date/Time: 6-14-21 9:00am	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 11/01/2020

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Builes John	Carrier Tracking No(s)	COC No: 890-258 3
Client Contact: Shipping/Receiving	Phone	E-Mail: john builes@eurofinset com	State of Origin: New Mexico	Page: Page 3 of 3
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-799-1
Address: 1211 W Florida Ave	Due Date Requested: 6/17/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #			
Email	WO #			
Project Name: Sara Johnson Battery	Project #: 89000045			
Site:	SSOW#:			

Preservation Codes

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8016MOD_NM/8016NM_S_Prep Full TPH	300_ORGFM_28D/DI_LEACH Chloride	8021B/5035FP_Calc BTEX	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SW7 (890-799-19)	6/11/21	07 35 Mountain		Solid			X	X	X	1	
SW8 (890-799-20)	6/11/21	07 40 Mountain		Solid			X	X	X	1	
SW9 (890-799-21)	6/11/21	07 45 Mountain		Solid			X	X	X	1	
SW10 (890-799-22)	6/11/21	07 50 Mountain		Solid			X	X	X	1	
SW11 (890-799-23)	6/11/21	07 55 Mountain		Solid			X	X	X	1	
SW12 (890-799-24)	6/11/21	08 00 Mountain		Solid			X	X	X	1	
SW13 (890-799-25)	6/11/21	08 05 Mountain		Solid			X	X	X	1	
SW14 (890-799-26)	6/11/21	08 10 Mountain		Solid			X	X	X	1	

Note Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out 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/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by: Cee Cifo 6.11 21	Date/Time:	Company	Received by:	Date/Time: 6-14-21 9:00 am	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver 11/01/2020

Login Sample Receipt Checklist

Client: Contango Resources LLC Job Number: 890-799-1

Login Number: 799 **List Source: Eurofins Xenco, Carlsbad**
List Number: 1
Creator: Clifton, Cloe

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.	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	

Login Sample Receipt Checklist

Client: Contango Resources LLC Job Number: 890-799-1

Login Number: 799 **List Source: Eurofins Xenco, Midland**
List Number: 2 **List Creation: 06/12/21 04:19 PM**
Creator: Kramer, Jessica

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?	N/A	
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	

Appendix D
Photographic Log

Photographic Log

Photo Number: 1	
Photo Direction: East	
Photo Description: Northern edge of the spill inside the containment.	

Photo Number: 2	
Photo Direction: West	
Photo Description: Closeup of spill area around tanks.	

Photographic Log

Photo Number: 3	
Photo Direction: West	
Photo Description: Spill area on the northern side of containment.	

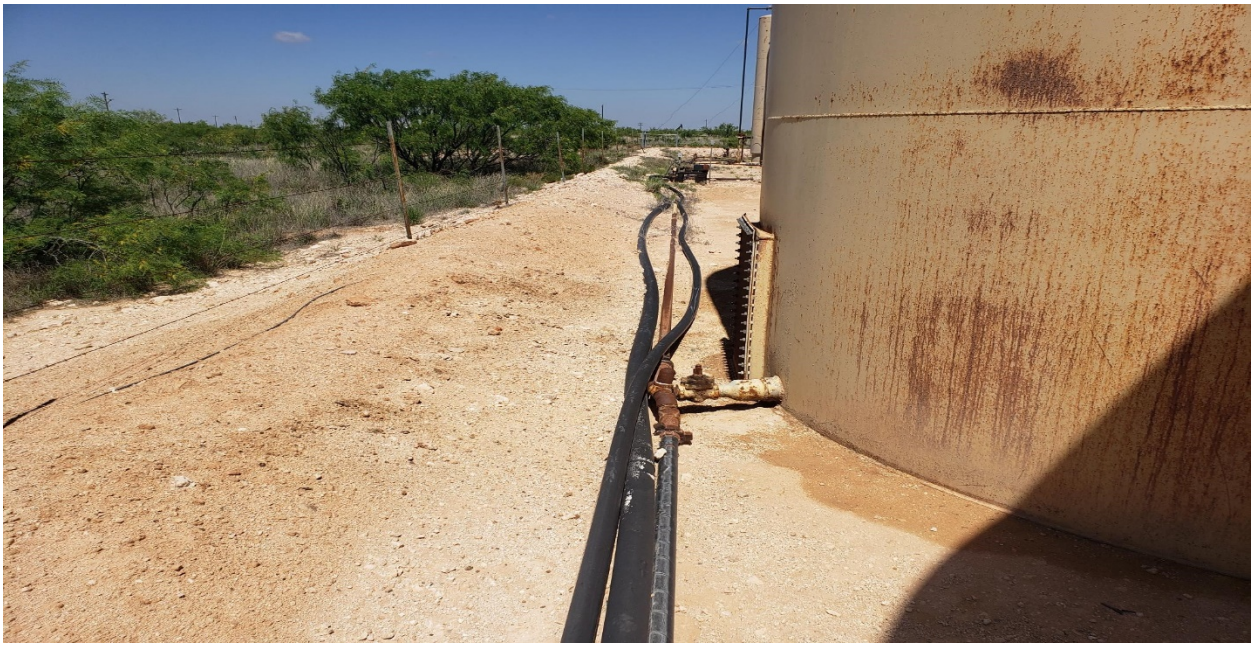
Photo Number: 4	
Photo Direction: North	
Photo Description: NE corner of spill inside containment.	

Photographic Log

Photo Number: 5	
Photo Direction: South	
Photo Description: Spill area to the north of tanks.	

Photo Number: 6	
Photo Direction: South	
Photo Description: Spill area around tanks.	

REMOVAL OF 0.3”-0.5” OF CALICHE AROUND TANKS WITH MACHINERY AND HAND EQUIPMENT



REMOVAL OF 0.3”-0.5” OF CALICHE AROUND TANKS

REMOVAL OF 0.3”-0.5” CALICHE AROUND TANKS

REMOVED 0.5”-1’ OF CALICHE DOWN TO NON IMPACTED SAND AROUND HEATER AND LINES

REMOVAL OF 0.5"-1' AROUND HEATER AND LINE GOING TO BATTERY

REMOVAL OF 0.5"- 1' AROUND HEATER AND LINE GOING TO BATTERY

REMOVAL OF 0.5”-1’ OF CALICHE

E

BACKFILL OF CALICHE AROUND TANKS

BACKFILL OF CALICHE AROUND TANKS

BACKFILL OF CALICHE AROUND HEATER AND LINE GOING TO TANKS

BACKFILL OF CALICHE AROUND TANKS AND FRONT OF HEATER

BACKFILL AROUND BACK OF TANKS AND BETWEEN TANKS

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

Operator:	OGRID:
Contango Resources, Inc. 717 Texas Ave. Houston, TX 77002	330447
	Action Number: 38330
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	8/31/2021