Form C-141

Page 6

Oil Conservation Division

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

State of New Mexico

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.

Photographs of the remediated site prior to backfill or photos of the l must be notified 2 days prior to liner inspection)	iner integrity if applicable (Note: appropriate OCD District office
▶ Laboratory analyses of final sampling (Note: appropriate ODC District	et office must be notified 2 days prior to final sampling)
Description of remediation activities	
hereby certify that the information given above is true and complete to the and regulations all operators are required to report and/or file certain release may endanger public health or the environment. The acceptance of a C-14 should their operations have failed to adequately investigate and remediate numan health or the environment. In addition, OCD acceptance of a C-141 compliance with any other federal, state, or local laws and/or regulations. Testore, reclaim, and re-vegetate the impacted surface area to the conditions accordance with 19.15.29.13 NMAC including notification to the OCD who	e notifications and perform corrective actions for releases which I report by the OCD does not relieve the operator of liability contamination that pose a threat to groundwater, surface water, report does not relieve the operator of responsibility for The responsible party acknowledges they must substantially that existed prior to the release or their final land use in the reclamation and re-vegetation are complete.
Printed Name: Stephen Curtis Jr Title: Signature: Date:	Operations Support Remediation Specialist
Signature: Date:	
	one: 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 liabil emediate contamination that poses a threat to groundwater, surface water, hearty of compliance with any other federal, state, or local laws and/or regularity	uman health, or the environment nor does not relieve the responsible
Closure Approved by:	Date:08/31/2021
Printed Name:Chad Hensley	Title: Environmental Specialist Advanced



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Figure 3 - Site & Sample Location Map

APPENDICES

Appendix A - Depth to Groundwater Information Appendix C - Laboratory Analytical Reports Appendix D - Photographic Log



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 Resources, Inc. ENVIRONMENTAL REMEDIATION 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'



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.

Received by OCD: 7/27/2021 10:12:33 AM Form C-141 State of New Mexico Oil Conservation Division Page 3

	Page 6 of 113
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 bgs)	_(ft
Did this release impact groundwater or surface water?	ogs) ☐ Yes ☐	Na
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐	
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 ⊠	N.
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐	
Are the lateral extents of the release within 300 feet of a wetland?		
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☐	
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠	
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
. , , , , , , , , , , , , , , , , , , ,	☐ Yes ⊠	No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver	tical 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.

Received by OCD: 7/27/2021 10:12:33 AM Form C-141 State of New Mexico Page 4 Oil Conservation Division

Incident ID
District RP
Facility ID
Application ID

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.				
Printed Name: Carmen E Pitt	Title: Senior HSE Specialist			
Signature: Date:				
email: cpitt@grizzlyenergyllc.com	Telephone: 432-248-8145			
OCD Only				
Received by:	Date:			

Received by OCD: 7/27/2021 10:12:33 AM
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Page 5 Oil Conservation Division

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

33 AM State of New Mexico
Oil Conservation Division

Incident ID
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	Page 8 of 11	13
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District RP		
Facility ID		
Application ID		

Remediation 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 con-	firmed as part of any request for deferral of remediation.			
Contamination must be in areas immediately under or around predeconstruction.	oduction equipment where remediation could cause a major facility			
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:				
email: cpitt@grizzlyenergyllc.com Telephone: 432-248-8145				
OCD Only				
Received by:	Date:			
Approved	Approval			
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



Midland • San Antonio • Lubbock • Lovington • Lafayette

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Appendix B - Field Data and Soil Profile Logs

Appendix C - Laboratory Analytical Reports

Appendix D - Photographic Log

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	
	Prov	ided GPS are in WGS84 format.		
Site Name:	Sarah Johnston #1	Site Type:	Tank Battery	
Date Release Discover	ed: 5/18/2020	API # (if applical	ble): N/A	
Unit Letter Se	ection Township	Range	County	
О	22 228	37E	Lea	
Surface Owner: So	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?				
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 hi	uman health and the envi	ronment.	
X Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices				
X All free liquids and	l recoverable materials have b	een removed and manage	ad annuaniataly	

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

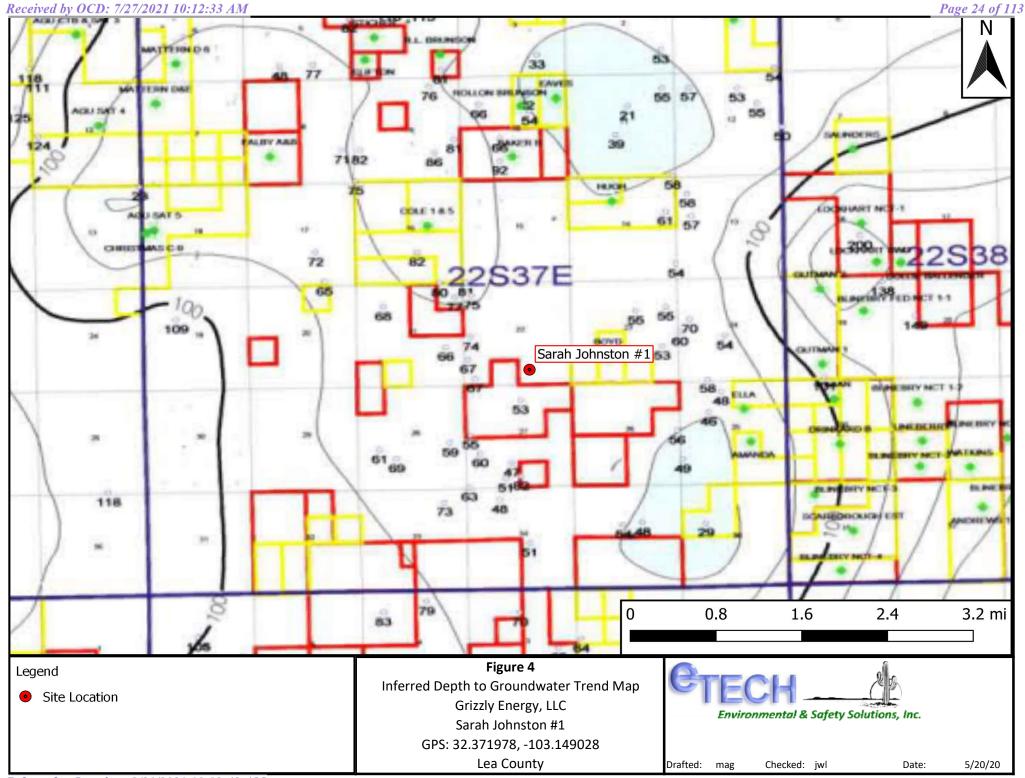
(Electronic Submission)

Figure 1 Topographic Map

Figure 2 Aerial Proximity Map

Figure 3 Site and Sample Location Map

Appendix A Depth to Groundwater Information





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)

4 22 22S 37E

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

(In feet)

POD Sub

Sub- Q Q Q Code basin County 64 16 4 Sec Tws Rng

X Y 674372 3583367*

 $Water \\ Distance Depth Well Depth Water Column$

303 142 110 3

110 feet

Average Depth to Water:

Minimum Depth: 110 feet

Maximum Depth: 110 feet

Record Count: 1

POD Number

CP 00003 POD1

UTMNAD83 Radius Search (in meters):

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

*UTM location was derived from PLSS - see Help

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

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

 \mathbf{X}

CP 00003 POD1

4 22 22S 37E

674372 3583367*

Driller License: Driller Name:

Driller Company:

Drill Start Date:

Drill Finish Date:

Depth Well:

Plug Date:

Shallow

Log File Date: **Pump Type:**

TURBIN

E.BURKE

PCW Rcv Date: 07/13/1942

142 feet

Source:

Estimated Yield: 30 GPM

Casing Size:

8.00

Pipe Discharge Size:

Depth Water:

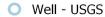
110 feet

*UTM location was derived from PLSS - see Help

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

5/20/20 1:16 PM

POINT OF DIVERSION SUMMARY



☐ 0.5 Mi Radius

☐ 1000 Ft Radius

Grizzly Energy, LLC Sarah Johnston #1 GPS: 32.371978, -103.149028 Lea County

Drafted: mag

Checked: jwl

Date:

5/20/20

National Water Information System: Web Interface

USGS Water Resources

Data Category:		Geographic Area:		
Groundwater	•	United States	▼	GO

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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.
- · 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			49.11								

Exp	lanation

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	Α	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

U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2020-05-20 15:04:21 EDT

0.27 0.25 nadww01



Search USGS

National Water Information System: Web Interface

LICCC Water Becourses

Data Category:	Geographic Area:			
Groundwater	United States	▼	GO	

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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.
- 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 =

• 322148103090001

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.

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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	Α
1970-12-01		D	52.10			2		U		U	А
1976-01-21		D	52.76			2		U		U	Α
1981-03-19		D	53.81			2		U		U	А
1986-03-04		D	53.59			2		U		U	Α
1991-04-26		D	52.88			2		U		U	Α

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	Α	Approved for publication Processing and review completed.

Questions about sites/data?

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URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2020-05-20 15:04:23 EDT

0.27 0.25 nadww01



National Water Information System: Web Interface

USGS Water Resources

Data Category:	Geographic Area:			
Groundwater	United States	▼	GO	

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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.

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	2	D	66.81			2		U		U	Α

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	Α	Approved for publication Processing and review completed.				

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USGS Water Resources

Data Category:		Geographic Area:			
Groundwater	•	United States	▼	GO	

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Agency code = usgs site_no list =

• 322212103093001

Minimum number of levels = 1

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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 (1210GLL) 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	2	U		U	Α
1991-04-26		D	67.71			2	2	U		U	Α
1996-02-27		D	67.06			2	2	S		U	Α

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	Α	Approved for publication Processing and review completed.							

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Agency code = usgs site_no list =

• 322213103093201

Minimum number of levels = 1

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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.

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Table of data						
Tab-separated data	<u>1</u>					
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		Ε	78.50			2	2	U		U	
1981-03-19		[72.52			2	2	U		U	
1986-02-28		[70.17			2	2	U		U	

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	Α	Approved for publication Processing and review completed.

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Agency code = usgs site_no list =

• 322213103093202

Minimum number of levels = 1

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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	А

Evnla	nation

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	Α	Approved for publication Processing and review completed.						

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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		Α
1976-01-29)	D	74.03			2	S	U		U		Α

Exp	lanation

Section		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	Α	Approved for publication Processing and review completed.

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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

OIL AND OAS	COMPANI	Eddy County, NIVI											
				EPA 300		801	I5M				8021B		
Sample Location	Sample Date	Sample Depth (ft)	Soil Status	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	C 19.15.29		10,000	1,0	000	NE	2,500	10		NE		50
					Co	nfirmation Sam	pling						
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"-05"	EXCAUVATED	388	<49.7	<49.7	<49.7	<49.7	<.00200	<.00200	<.00200	<.00400	<.00400
FS 2	6/11/2021	0.0"-05"	EXCAUVATED	420	<49.9	<49.9	<49.9	<49.9	<.00201	<.00201	<.00201	<.00402	<.00402
FS 3	6/11/2021	0.0"-05"	EXCAUVATED	354	<50.0	<50.0	<50.0	<50.0	<.00200	<.00200	<.00200	<.00401	<.00401
FS 4	6/11/2021	0.0"-05"	EXCAUVATED	354	<49.8	<49.8	<49.8	<49.8	<.00199	<.00199	<.00199	<.00398	<.00398
FS 5	6/11/2021	0.0"-05"	EXCAUVATED	328	<49.8	<49.8	<49.8	<49.8	<.00200	<.00200	<.00200	<.00399	<.00399
FS 6	6/11/2021	0.0"-05"	EXCAUVATED	363	<49.7	64.7	<49.7	64.7	<.00202	<.00202	<.00202	<.00404	<.00404
FS 7	6/11/2021	0.0"-05"	EXCAUVATED	708	<50.0	<50.0	<50.0	<50.0	<.00200	<.00200	<.00200	<.00401	<.00401
FS 8	6/11/2021	0.0"-05"	EXCAUVATED	435	<50.0	<50.0	<50.0	<50.0	<.00199	<.00199	<.00199	<.00398	<.00398
FS 9	6/11/2021	0.0"-05"	EXCAUVATED	208	<49.9	<49.9	<49.9	<49.9	<.00200	<.00200	<.00200	<.00399	<.00399
FS 10	6/11/2021	0.0"-05"	EXCAUVATED	376	<49.9	<49.9	<49.9	<49.9	0.0266	<.00200	<.00200	<.00399	0.0266
FS 11	6/11/2021	0.0"-05"	EXCAUVATED	407	<50.0	<50.0	<50.0	<50.0	<.00200	<.00200	<.00200	<.00400	<.00400
FS 12	6/11/2021	0.0"-05"	EXCAUVATED	378	<50.0	<50.0	<50.0	<50.0	<.00198	<.00198	<.00198	<.00396	<.00396

Appendix C Laboratory Analytical Reports

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

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

1

2

3

6

0

9

10

12

13

Н

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

Laboratory Job ID: 890-799-1

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3

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13

14

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.
CC Cami VC	

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	

	LONG	
Qı	ualifier	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.
n	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

NEG Negative / Absent POS Positive / Present

ND

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

Not Detected at the reporting limit (or MDL or EDL if shown)

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.

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Client: Contango Resources LLC

Job ID: 890-799-1

Project/Site: Sara Johnson Battery

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

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 Chrom	natography - S	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 Date Collected: 06/11/21 05:55 **Matrix: Solid**

Date Received: 06/11/21 10:07

Sample Depth: 0 - 5

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

Client Sample ID: FS2

Date Collected: 06/11/21 05:55

Date Received: 06/11/21 10:07 Sample Depth: 0 - 5

Lab Sample ID: 890-799-2

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 14:26	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 14:26	1
C10-C28)									
OII 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 Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	420		4.97		mg/Kg			06/16/21 01:12	

Client Sample ID: FS3 Lab Sample ID: 890-799-3

Date Collected: 06/11/21 06:05 Date Received: 06/11/21 10:07

Sample Depth: 0 - 5

Matrix: Solid

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 Fa
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 Rang Analyte	• • •	, , ,	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Method: 8015B NM - Diesel Rand	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	
Analyte Gasoline Range Organics	• • •	Qualifier	RL 50.0	MDL	Unit mg/Kg	<u>D</u>	Prepared 06/14/21 09:07	Analyzed 06/14/21 14:47	
Analyte Gasoline Range Organics (GRO)-C6-C10	Result	Qualifier U		MDL		<u>D</u>			1
Analyte Gasoline Range Organics		Qualifier U	50.0	MDL	mg/Kg	<u>D</u>	06/14/21 09:07	06/14/21 14:47	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over		Qualifier U	50.0	MDL	mg/Kg	<u>D</u>	06/14/21 09:07	06/14/21 14:47	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 <50.0	Qualifier U U	50.0	MDL	mg/Kg	<u>D</u>	06/14/21 09:07 06/14/21 09:07	06/14/21 14:47 06/14/21 14:47	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result	Qualifier U U U U	50.0 50.0 50.0	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/14/21 09:07 06/14/21 09:07 06/14/21 09:07	06/14/21 14:47 06/14/21 14:47 06/14/21 14:47	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	Result <50.0 <50.0 <50.0 <50.0 <50.0	Qualifier U U U U	50.0 50.0 50.0 50.0	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/14/21 09:07 06/14/21 09:07 06/14/21 09:07 06/14/21 09:07	06/14/21 14:47 06/14/21 14:47 06/14/21 14:47 06/14/21 14:47	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate	Result	Qualifier U U U U	50.0 50.0 50.0 50.0 Limits	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/14/21 09:07 06/14/21 09:07 06/14/21 09:07 06/14/21 09:07 <i>Prepared</i>	06/14/21 14:47 06/14/21 14:47 06/14/21 14:47 06/14/21 14:47 Analyzed	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U U Qualifier	50.0 50.0 50.0 50.0 Limits 70 - 130	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/14/21 09:07 06/14/21 09:07 06/14/21 09:07 06/14/21 09:07 Prepared 06/14/21 09:07	06/14/21 14:47 06/14/21 14:47 06/14/21 14:47 06/14/21 14:47 Analyzed 06/14/21 14:47	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result	Qualifier U U U Qualifier	50.0 50.0 50.0 50.0 Limits 70 - 130	MDL	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	06/14/21 09:07 06/14/21 09:07 06/14/21 09:07 06/14/21 09:07 Prepared 06/14/21 09:07	06/14/21 14:47 06/14/21 14:47 06/14/21 14:47 06/14/21 14:47 Analyzed 06/14/21 14:47	Dil Fac

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

Client Sample ID: FS4

Date Received: 06/11/21 10:07

Lab Sample ID: 890-799-4 Date Collected: 06/11/21 06:09

Matrix: Solid

Sample Depth: 0 - 5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		06/14/21 09:07	06/14/21 15:08	1
(GRO)-C6-C10	~10 Q		40.0		ma/1/a		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	00/14/21 15.06	ı
Oll 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 Chron	natography - S	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 Date Collected: 06/11/21 06:18 **Matrix: Solid**

Date Received: 06/11/21 10:07

Sample Depth: 0 - 5

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: Contango Resources LLC

Job ID: 890-799-1

06/16/21 01:36

Matrix: Solid

Project/Site: Sara Johnson Battery

Client Sample ID: FS5

Date Collected: 06/11/21 06:18

Lab Sample ID: 890-799-5 Matrix: Solid

mg/Kg

Date Received: 06/11/21 10:07 Sample Depth: 0 - 5

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	Qualifier	RL	MDL U	Init	D	Prepared	Analyzed	Dil Fac
<49.8	U	49.8	m	ng/Kg		06/14/21 09:07	06/14/21 15:29	1
<49.8	U	49.8	m	ng/Kg		06/14/21 09:07	06/14/21 15:29	1
<49.8	U	49.8	m	ng/Kg		06/14/21 09:07	06/14/21 15:29	1
<49.8	U	49.8	m	ng/Kg		06/14/21 09:07	06/14/21 15:29	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
99		70 - 130				06/14/21 09:07	06/14/21 15:29	1
96		70 - 130				06/14/21 09:07	06/14/21 15:29	1
	<49.8 <49.8 <49.8 %Recovery 99		<49.8 U 49.8 <49.8 U 49.8 <49.8 U 49.8 <49.8 U 49.8 WRecovery Qualifier Limits 99 70.130	<49.8 U 49.8 n <49.8 U 49.8 n <49.8 U 49.8 n <49.8 U 49.8 n $ $	<49.8 U 49.8 mg/Kg <49.8 U 49.8 mg/Kg <49.8 U 49.8 mg/Kg <49.8 U 49.8 mg/Kg			

Client Sample ID: FS6 Lab Sample ID: 890-799-6

5.02

Date Collected: 06/11/21 06:28 Date Received: 06/11/21 10:07

Sample Depth: 0 - 5

Chloride

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 Rang Analyte	Result	Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	Dil Fa
Analyte Gasoline Range Organics	•	Qualifier	RL 49.7	MDL	Unit mg/Kg	D	Prepared 06/14/21 09:07	Analyzed 06/14/21 15:50	Dil Fac
Analyte	Result	Qualifier		MDL		<u>D</u>			
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over		Qualifier	49.7	MDL	mg/Kg	<u>D</u>	06/14/21 09:07	06/14/21 15:50	1
Analyte Gasoline Range Organics (GRO)-C6-C10		Qualifier U	49.7	MDL	mg/Kg	<u>D</u>	06/14/21 09:07	06/14/21 15:50	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.7	Qualifier U	49.7	MDL	mg/Kg	<u> </u>	06/14/21 09:07 06/14/21 09:07	06/14/21 15:50 06/14/21 15:50	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.7 64.7 <49.7	Qualifier U	49.7 49.7 49.7	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/14/21 09:07 06/14/21 09:07 06/14/21 09:07	06/14/21 15:50 06/14/21 15:50 06/14/21 15:50	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	Result <49.7 64.7 <49.7 64.7	Qualifier U Qualifier	49.7 49.7 49.7 49.7	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/14/21 09:07 06/14/21 09:07 06/14/21 09:07 06/14/21 09:07	06/14/21 15:50 06/14/21 15:50 06/14/21 15:50 06/14/21 15:50	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate	Result <49.7 64.7 <49.7 64.7 64.7 64.7 %Recovery	Qualifier U Qualifier	49.7 49.7 49.7 49.7 Limits	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/14/21 09:07 06/14/21 09:07 06/14/21 09:07 06/14/21 09:07 <i>Prepared</i>	06/14/21 15:50 06/14/21 15:50 06/14/21 15:50 06/14/21 15:50 Analyzed	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result	Qualifier U Qualifier S1-	49.7 49.7 49.7 49.7 Limits 70 - 130	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/14/21 09:07 06/14/21 09:07 06/14/21 09:07 06/14/21 09:07 Prepared 06/14/21 09:07	06/14/21 15:50 06/14/21 15:50 06/14/21 15:50 06/14/21 15:50 Analyzed 06/14/21 15:50	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U Qualifier S1-	49.7 49.7 49.7 49.7 Limits 70 - 130	MDL	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	06/14/21 09:07 06/14/21 09:07 06/14/21 09:07 06/14/21 09:07 Prepared 06/14/21 09:07	06/14/21 15:50 06/14/21 15:50 06/14/21 15:50 06/14/21 15:50 Analyzed 06/14/21 15:50	Dil Fac

Matrix: Solid

Lab Sample ID: 890-799-7

06/14/21 09:07 06/14/21 16:11

Job ID: 890-799-1

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

Client Sample ID: FS7

Date Collected: 06/11/21 06:35 Date Received: 06/11/21 10:07

Sample Depth: 0 - 5

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 C	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

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			70 - 130				06/14/21 09:07	06/14/21 16:11	

Method: 300.0 - Anions, Ion Chron	natography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	708		4.99		mg/Kg			06/16/21 01:46	1

70 - 130

72

Client Sample ID: FS8 Lab Sample ID: 890-799-8 Date Collected: 06/11/21 06:40 **Matrix: Solid**

Date Received: 06/11/21 10:07

Sample Depth: 0 - 5

o-Terphenyl

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	
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: Contango Resources LLC

435

Job ID: 890-799-1

Project/Site: Sara Johnson Battery

Client Sample ID: FS8

Date Collected: 06/11/21 06:40 Date Received: 06/11/21 10:07

Sample Depth: 0 - 5

Lab Sample ID: 890-799-8

06/16/21 01:51

Matrix: Solid

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
Oll 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 Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: FS9 Lab Sample ID: 890-799-9 **Matrix: Solid**

4.98

mg/Kg

Date Collected: 06/11/21 06:45 Date Received: 06/11/21 10:07

Chloride

Sample Depth: 0 - 5									
Method: 8021B - Volatile Orga	nic 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 Ra	ange Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 16:53	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 16:53	1

e Organics (Di	- / (- /							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 16:53	1
<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 16:53	1
<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 16:53	1
<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 16:53	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
85		70 - 130				06/14/21 09:07	06/14/21 16:53	1
81		70 - 130				06/14/21 09:07	06/14/21 16:53	1
	Result	Result Qualifier	Result Qualifier RL <49.9	Result Qualifier RL MDL <49.9	Result Qualifier RL MDL Unit <49.9	Result Qualifier RL MDL Unit D <49.9	Result Qualifier RL MDL Unit D Prepared <49.9	Result Qualifier RL MDL Unit D Prepared Analyzed <49.9

Method: 300.0 - Anions, Ion Chrom	natography - S	oluble													
Analyte	Result (Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac						
Chloride	208		5.04		mg/Kg			06/16/21 01:56	1						

Client: Contango Resources LLC

Job ID: 890-799-1

Project/Site: Sara Johnson Battery

Client Sample ID: FS10

Date Collected: 06/11/21 06:50 Date Received: 06/11/21 10:07

Sample Depth: 0 - 5

Lab Sample ID: 890-799-10

Matrix: Solid

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 Rang Analyte	, ,	Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9		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
Oll 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

ı		ography - S	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
Date Collected: 06/11/21 06:55

Date Received: 06/11/21 10:07

Sample Depth: 0 - 5

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

Eurofins Xenco, Carlsbad

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

Job ID: 890-799-1

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

Client Sample ID: FS11

Date Collected: 06/11/21 06:55 Date Received: 06/11/21 10:07

Sample Depth: 0 - 5

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

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
OII 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 Chro	omatography -	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:	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
OII 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 Chlorocotono			70 120				06/14/21 00:07	06/14/21 10:25	

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	lon	Chromatography	v - Soluble
Michiga, Jours - Allions	, ion	On Omalograph	y - Joiuble

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

Client: Contango Resources LLC

Job ID: 890-799-1

Project/Site: Sara Johnson Battery

Client Sample ID: SW1 Lab Sample ID: 890-799-13

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

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 Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 18:46	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 18:46	1
C10-C28)									
OII 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 Chro	matography -	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 Date Collected: 06/11/21 07:10 Matrix: Solid Date Received: 06/11/21 10:07

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 Ra	inge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		06/14/21 09:07	06/14/21 19:06	1

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(GRO)-C6-C10

Job ID: 890-799-1

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

Lab Sample ID: 890-799-14

Client Sample ID: SW2 Date Collected: 06/11/21 07:10 Date Received: 06/11/21 10:07

06/15/21 16:32

Matrix: Solid

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

Client Sample ID: SW3 Lab Sample ID: 890-799-15

5.00

mg/Kg

Date Collected: 06/11/21 07:15 Matrix: Solid

503 F1

Date Received: 06/11/21 10:07

Chloride

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 - Diese	el Range Organics (DRO) (GC)
Analyto	Posult Qualifier

Released to Imaging: 8/31/2021 10:02:49 AM

Method. 00 130 MM - Diesei Kang	Je Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL (Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	r	mg/Kg		06/14/21 09:07	06/14/21 19:27	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0	r	mg/Kg		06/14/21 09:07	06/14/21 19:27	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0	r	mg/Kg		06/14/21 09:07	06/14/21 19:27	1
Total TPH	<50.0	U	50.0	r	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 Chron	natography - S	oluble								
Analyte	Result (Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	480		5.01		ma/Ka			06/15/21 16:47	1	

Client: Contango Resources LLC

Job ID: 890-799-1

Project/Site: Sara Johnson Battery

Lab Sample ID: 890-799-16

Matrix: Solid

Client Sample ID: SW4 Date Collected: 06/11/21 07:20 Date Received: 06/11/21 10:07

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

	natography - 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 Date Collected: 06/11/21 07:25

Date Received: 06/11/21 10:07

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 Ra	ange Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		06/14/21 09:07	06/14/21 20:09	

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Matrix: Solid

(GRO)-C6-C10

Job ID: 890-799-1

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

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

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

Client Sample ID: SW6 Lab Sample ID: 890-799-18 Date Collected: 06/11/21 07:30

Date Received: 06/11/21 10:07

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Benzene <0.00202 U 0.00202 06/12/21 11:00 06/12/21 23:14 mg/Kg Toluene <0.00202 U 0.00202 mg/Kg 06/12/21 11:00 06/12/21 23:14 <0.00202 U mg/Kg Ethylbenzene 0.00202 06/12/21 11:00 06/12/21 23:14 m-Xylene & p-Xylene <0.00404 U 0.00404 mg/Kg 06/12/21 11:00 06/12/21 23:14 o-Xylene <0.00202 U 0.00202 mg/Kg 06/12/21 11:00 06/12/21 23:14 Xylenes, Total <0.00404 U 0.00404 mg/Kg 06/12/21 11:00 06/12/21 23:14 Total BTEX <0.00404 U 0.00404 06/12/21 11:00 06/12/21 23:14 mg/Kg

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)

Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 20:30	1
<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 20:30	1
<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 20:30	1
<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 20:30	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
93		70 - 130				06/14/21 09:07	06/14/21 20:30	1
91		70 - 130				06/14/21 09:07	06/14/21 20:30	1
	<49.9 <49.9 <49.9 <49.9 %Recovery 93		<49.9	49.9 U 49.9 %Recovery Qualifier Limits 93 70 - 130	<49.9	<49.9	<49.9 U	<49.9 U

Method: 300.0 - Anions, Ion Chron	natography - Soluble							
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	315	5 04	ma/Ka			06/15/21 17:11	1	

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

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

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 Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 20:50	1
Casoline Italige Organics									
• •							00/44/04 00 07	00/44/04 00:50	
(GRO)-C6-C10 Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 20:50	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/14/21 09:07	06/14/21 20:50	1
(GRO)-C6-C10 Diesel Range Organics (Over	<49.9 <49.9		49.9 49.9		mg/Kg mg/Kg		06/14/21 09:07	06/14/21 20:50	1

Chloride	357	4.98	mg/Kg			06/15/21 17:16	4
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Method: 300.0 - Anions, Ion Chron	natography - Soluble						
o-Terphenyl	89	70 - 130			06/14/21 09:07	06/14/21 20:50	1
1-Chlorooctane	91	70 - 130			06/14/21 09:07	06/14/21 20:50	1

Limits

%Recovery Qualifier

Client Sample ID: SW8 Lab Sample ID: 890-799-20 Date Collected: 06/11/21 07:40

Date Received: 06/11/21 10:07

Surrogate

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 Ra	ange Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8		49.8		mg/Kg		06/14/21 09:07	06/14/21 21:11	

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(GRO)-C6-C10

Dil Fac

Analyzed

Prepared

Matrix: Solid

Client: Contango Resources LLC

Job ID: 890-799-1

Project/Site: Sara Johnson Battery

Lab Sample ID: 890-799-20

Matrix: Solid

Client Sample ID: SW8 Date Collected: 06/11/21 07:40

Date Received: 06/11/21 10:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		06/14/21 09:07	06/14/21 21:11	1
C10-C28)									
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 Chro	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	586	-	4.95		mg/Kg			06/15/21 17:21	

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

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	l imits				Prepared	Analyzed	Dil Fac

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0		50.0		mg/Kg		06/13/21 10:54	06/14/21 04:57	1
(GRO)-C6-C10 Diesel Range Organics (Over	<50.0	U *-	50.0		mg/Kg		06/13/21 10:54	06/14/21 04:57	1
C10-C28) 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

Method: 300.0 - Anions, Ion Chron	Anions, Ion Chromatography - Soluble Result Qualifier 386	ole						
Analyte	Result Qualif	fier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	386	5.04	ma/Ka			06/15/21 17:26		

70 - 130

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06/14/21 04:57

06/13/21 10:54

o-Terphenyl

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

Job ID: 890-799-1

Client Sample ID: SW10

Date Collected: 06/11/21 07:50

Date Received: 06/11/21 10:07

Lab Sample ID: 890-799-22

Matrix: Solid

Method: 8021B - Volatile Organic	Compounds (GC)
Analyte	Result	Qualif

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	%Pacayary	Qualifier	l imite				Propared	Analyzed	Dil Fac

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)

Method. 00 13D MM - Diesei Kang	ge Organics (D	10) (00)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U *-	50.0		mg/Kg		06/13/21 10:54	06/14/21 05:18	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U *-	50.0		mg/Kg		06/13/21 10:54	06/14/21 05:18	1
C10-C28)									
OII 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	l imits				Propared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepa	pared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	06/13/2	21 10:54	06/14/21 05:18	1
o-Terphenyl	71		70 - 130	06/13/2	21 10:54	06/14/21 05:18	1
_							

Method: 300.0 - Anions, Ion Chron	natography -	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 (G	iC	•)
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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)			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 (DI	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U *-	49.9		mg/Kg		06/13/21 10:54	06/14/21 05:39	1

(GRO)-C6-C10

Job ID: 890-799-1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.9	U *-	49.9		mg/Kg		06/13/21 10:54	06/14/21 05:39	1
C10-C28)									
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 Chr	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Allalyte	rtoouit				•	_		, y = 0 a.	

Client Sample ID: SW12 Lab Sample ID: 890-799-24

Date Collected: 06/11/21 08:00 Matrix: Solid

Date Received: 06/11/21 10:07

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
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 Rang	ge Organics (D	RO) (GC)							
Method: 9045P NM Diesel Pens	no Organico (D	BO) (CC)							
Analyte	Result	Qualifier	RL	MDL		<u>D</u>	Prepared 06/13/21 10:54	Analyzed 06/14/21 06:00	
	•	Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared 06/13/21 10:54	Analyzed 06/14/21 06:00	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U *-		MDL		<u> </u>			1
Analyte Gasoline Range Organics (GRO)-C6-C10	Result < 50.0	Qualifier U *-	50.0	MDL	mg/Kg	<u>D</u>	06/13/21 10:54	06/14/21 06:00	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 <50.0	Qualifier U *- U *-	50.0	MDL	mg/Kg	<u>D</u>	06/13/21 10:54 06/13/21 10:54	06/14/21 06:00 06/14/21 06:00	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0 <50.0 <50.0	Qualifier U *- U *- U	50.0 50.0 50.0	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/13/21 10:54 06/13/21 10:54 06/13/21 10:54	06/14/21 06:00 06/14/21 06:00 06/14/21 06:00	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	Result <50.0 <50.0 <50.0 <50.0 <50.0	Qualifier U *- U *- U	50.0 50.0 50.0 50.0	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/13/21 10:54 06/13/21 10:54 06/13/21 10:54 06/13/21 10:54	06/14/21 06:00 06/14/21 06:00 06/14/21 06:00 06/14/21 06:00	1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate	Result	Qualifier U *- U *- U	50.0 50.0 50.0 50.0 Limits	MDL	mg/Kg mg/Kg mg/Kg	<u> </u>	06/13/21 10:54 06/13/21 10:54 06/13/21 10:54 06/13/21 10:54 Prepared	06/14/21 06:00 06/14/21 06:00 06/14/21 06:00 06/14/21 06:00 Analyzed	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result	Qualifier U *- U *- U Qualifier	50.0 50.0 50.0 50.0 Limits 70 - 130	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/13/21 10:54 06/13/21 10:54 06/13/21 10:54 06/13/21 10:54 Prepared 06/13/21 10:54	06/14/21 06:00 06/14/21 06:00 06/14/21 06:00 06/14/21 06:00 Analyzed 06/14/21 06:00	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U *- U *- U Qualifier	50.0 50.0 50.0 50.0 Limits 70 - 130	MDL	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	06/13/21 10:54 06/13/21 10:54 06/13/21 10:54 06/13/21 10:54 Prepared 06/13/21 10:54	06/14/21 06:00 06/14/21 06:00 06/14/21 06:00 06/14/21 06:00 Analyzed 06/14/21 06:00	Dil Fac

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Client: Contango Resources LLC

Project/Site: Sara Johnson Battery

Lab Sample ID: 890-799-25

Matrix: Solid

Job ID: 890-799-1

Client Sample ID: SW13 Date Collected: 06/11/21 08:05

Date Received: 06/11/21 10:07

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
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Eco
Method: 8015B NM - Diesel Rang Analyte	• • •	, , ,	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics			E0 0		malka		06/12/21 10:54		DII Fac
0 0	\30.0	U *-	50.0		mg/Kg		06/13/21 10:54	06/14/21 06:21	1
(GRO)-C6-C10	<50.0		50.0 50.0		mg/Kg mg/Kg		06/13/21 10:54 06/13/21 10:54		1
(GRO)-C6-C10 Diesel Range Organics (Over								06/14/21 06:21	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)		U *-						06/14/21 06:21	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	<50.0	U*-	50.0		mg/Kg		06/13/21 10:54	06/14/21 06:21 06/14/21 06:21	1 1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	<50.0 <50.0	U *- U	50.0 50.0		mg/Kg		06/13/21 10:54 06/13/21 10:54	06/14/21 06:21 06/14/21 06:21 06/14/21 06:21	1 1 1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<50.0 <50.0 <50.0	U *- U	50.0 50.0 50.0		mg/Kg		06/13/21 10:54 06/13/21 10:54 06/13/21 10:54	06/14/21 06:21 06/14/21 06:21 06/14/21 06:21 06/14/21 06:21	1 1 1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate	<50.0 <50.0 <50.0 %Recovery	U *- U	50.0 50.0 50.0 <i>Limits</i>		mg/Kg		06/13/21 10:54 06/13/21 10:54 06/13/21 10:54 Prepared	06/14/21 06:21 06/14/21 06:21 06/14/21 06:21 06/14/21 06:21 Analyzed	1 1 1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	<50.0 <50.0 <50.0 **Recovery 81 73	U *- U U Qualifier	50.0 50.0 50.0 <u>Limits</u> 70 - 130		mg/Kg		06/13/21 10:54 06/13/21 10:54 06/13/21 10:54 Prepared 06/13/21 10:54	06/14/21 06:21 06/14/21 06:21 06/14/21 06:21 06/14/21 06:21 Analyzed 06/14/21 06:21	1 1 1 1 1 1 1 Dil Fac

4.99 Client Sample ID: SW14 Lab Sample ID: 890-799-26

mg/Kg

317

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

Chloride

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

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06/14/21 21:43

Matrix: Solid

(GRO)-C6-C10

Client: Contango Resources LLC

Job ID: 890-799-1

Project/Site: Sara Johnson Battery

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

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

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Surrogate Summary

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

Project/Site: Sara Johnson Battery

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(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
WP 000 TOTO/O-V	Motifod Bidlik	100	31
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 Recov
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(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 Job ID: 890-799-1

Project/Site: Sara Johnson Battery

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance
		1001	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(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

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

Project/Site: Sara Johnson Battery

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

Pren Batch: 4041

							Prep Batt	11. 404 1
MB	MB							
sult	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
200	U	0.00200		mg/Kg		06/12/21 11:30	06/12/21 19:49	1

Analyte Benzene < 0.0020 Toluene <0.00200 U 0.00200 06/12/21 11:30 06/12/21 19:49 mg/Kg <0.00200 U Ethylbenzene 0.00200 06/12/21 11:30 mg/Kg 06/12/21 19:49 m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg 06/12/21 11:30 06/12/21 19:49 o-Xylene <0.00200 U 0.00200 06/12/21 11:30 06/12/21 19:49 mg/Kg Xylenes, Total <0.00400 U 0.00400 06/12/21 19:49 mg/Kg 06/12/21 11:30 Total BTEX <0.00400 U 0.00400 06/12/21 19:49 mg/Kg 06/12/21 11:30

MB MB

Res

Surrogate	%Recovery 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 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 4044

Prep Batch: 4041 Chiles 100 100 0/ Doc

ı		Shike	LUS	LUS				/onec.	
	Analyte	Added	Result	Qualifier	Unit	D	%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	

LCS LCS

Surrogate	%Recovery 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

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Benzene 0.100 0.09597 mg/Kg 96 70 - 130 5 35

Toluene 0.100 0.09182 mg/Kg 92 70 - 130 35 5 Ethylbenzene 0.100 0.09593 mg/Kg 96 70 - 130 5 35 0.200 m-Xylene & p-Xylene 0.2070 mg/Kg 104 70 - 130 35 0.100 0.1044 o-Xylene mg/Kg 104 70 - 130 35

LCSD LCSD

Surrogate	%Recovery 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

мв мв Result Qualifier Analyte MDL Unit Prepared Analyzed Benzene <0.00200 U 0.00200 mg/Kg 06/12/21 11:00 06/12/21 19:47

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

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

ı		IIID	1110							
	Analyte	Result	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

MB MB

MR MR

Surrogate	%Recovery	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

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%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	

LCS LCS

Surrogate	%Recovery (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
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Prep Type: Total/NA

Prep Batch: 4043

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	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

LCSD LCSD

Surrogate	%Recovery	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

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	

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

Project/Site: Sara Johnson Battery

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

Matrix: Solid Analysis Batch: 4046

Client Sample ID: FS9 Lab Sample ID: 890-799-9 MS Prep Type: Total/NA Prep Batch: 4043

	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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

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

Lab Sample ID: 890-799-9 MSD									Client S	ample ID): FS9
Matrix: Solid									Prep '	Type: To	tal/NA
Analysis Batch: 4046									Pre	p Batch	: 4043
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
A I4 -	D14	O	A -1 -11	D 14	O	1114	_	0/ 🗖	1 114	000	1 1 14

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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

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

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

Lab Sample ID: MB 880-4071/1-A Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Solid Analysis Batch: 4067

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		06/13/21 10:54	06/13/21 23:23	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		06/13/21 10:54	06/13/21 23:23	1
C10-C28)									
Oll 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

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

Lab Sample ID: LCS 880-4071/2-A Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 4067							Pre	p battr	1: 407
	Spike	LCS	LCS				%Rec.		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	1000000	930.4	*_	mg/Kg	_	0.09	70 - 130		

(GRO)-C6-C10

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Prep Type: Total/NA

Prep Batch: 4071

Client: Contango Resources LLC

Job ID: 890-799-1

Project/Site: Sara Johnson Battery

Lab Sample ID: LCS 880-4071/2-A

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

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

Prep Batch: 4071

%Rec.

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

C10-C28)

Matrix: Solid

Analysis Batch: 4067

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

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 880-4071/3-A Prep Type: Total/NA **Matrix: Solid Analysis Batch: 4067**

Prep Batch: 4071

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

C10-C28)

Analysis Batch: 4080

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

Lab Sample ID: MB 880-4072/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Prep Batch: 4072

мв мв Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 mg/Kg 06/14/21 09:07 06/14/21 12:20 (GRO)-C6-C10 mg/Kg <50.0 U 50.0 06/14/21 09:07 06/14/21 12:20 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 06/14/21 09:07 06/14/21 12:20 Total TPH <50.0 U 50.0 06/14/21 09:07 06/14/21 12:20 mg/Kg

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

Lab Sample ID: LCS 880-4072/2-A Client Sample ID: Lab Control Sample

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 4080** Prep Batch: 4072

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

LCS LCS

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

QC Sample Results

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

Project/Site: Sara Johnson Battery

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

LCS LCS

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

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

Lab Sample ID: LCSD 880-4072/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 4080

Analysis Batch: 4080

Prep Type: Total/NA

Prep Batch: 4072

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

LCSD LCSD

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

o-Terphenyl

Client Sample ID: FS1 Lab Sample ID: 890-799-1 MS **Matrix: Solid**

Prep Type: Total/NA

Prep Batch: 4072

%Rec.

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

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

Lab Sample ID: 890-799-1 MSD

Matrix: Solid

Analysis Batch: 4080

Client Sample ID: FS1 Prep Type: Total/NA

Prep Batch: 4072

Sample Sample Spike MSD MSD %Rec. RPD Result Qualifier RPD Limit Analyte babbA Result Qualifier %Rec Limits Unit D <49.7 U 997 91 20 Gasoline Range Organics 911.0 mg/Kg 70 - 130 8 (GRO)-C6-C10 997 980.4 Diesel Range Organics (Over <49.7 U mg/Kg 97 70 - 1306 20

C10-C28)

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

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Client Sample ID: SW2

Client Sample ID: SW2

Prep Type: Soluble

Prep Type: Soluble

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

Project/Site: Sara Johnson Battery

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-4084/1-A **Matrix: Solid**

Analysis Batch: 4096

мв мв

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

Lab Sample ID: LCS 880-4084/2-A

Matrix: Solid

Analysis Batch: 4096

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

Lab Sample ID: LCSD 880-4084/3-A

Matrix: Solid

Analysis Batch: 4096

LCSD LCSD RPD Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 248.5 250 mg/Kg 90 - 110

Lab Sample ID: MB 880-4086/1-A

Matrix: Solid

Analysis Batch: 4124

мв мв

Result Qualifier MDL Unit Analyte RL

Prepared Analyzed Dil Fac 5.00 Chloride <5.00 06/15/21 15:09 mg/Kg

LCS LCS

Lab Sample ID: LCS 880-4086/2-A

Matrix: Solid

Analysis Batch: 4124

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

Lab Sample ID: LCSD 880-4086/3-A

Matrix: Solid

Analysis Batch: 4124

Spike LCSD LCSD %Rec. RPD Added %Rec RPD Analyte Result Qualifier Unit D Limits Limit Chloride 250 245.5 mg/Kg 98 90 - 110

Lab Sample ID: 890-799-14 MS

Matrix: Solid

Analysis Batch: 4124

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

Lab Sample ID: 890-799-14 MSD

Matrix: Solid

Analysis Batch: 4124 Spike MSD MSD %Rec. RPD Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 503 F1 250 719.3 F1 mg/Kg 87 90 - 110 20

QC Sample Results

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

Project/Site: Sara Johnson Battery

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-4087/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Soluble

Analysis Batch: 4125

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

MB MB

Lab Sample ID: LCS 880-4087/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4125

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

Lab Sample ID: LCSD 880-4087/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4125

LCSD LCSD %Rec. RPD Spike Analyte Added Result Qualifier Unit Limits **RPD** Limit Chloride 250 248.2 90 - 110 20 mg/Kg

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 Batcl
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

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

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	

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 Batcl
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

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Released to Imaging: 8/31/2021 10:02:49 AM

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

Job ID: 890-799-1

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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
İ	890-799-1 MSD	FS1	Total/NA	Solid	8015B NM	4072

HPLC/IC

Leach Batch: 4084

Lab Sample ID 890-799-24	Client Sample ID SW12	Prep Type Soluble	Matrix Solid	Method DI Leach	Prep Batch
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	

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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

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

Client Sample ID: FS1

Lab Sample ID: 890-799-1 Date Collected: 06/11/21 05:45

Matrix: Solid

Date Received: 06/11/21 10:07

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Date Collected: 06/11/21 05:55

Lab Sample ID: 890-799-2 Matrix: Solid

Date Received: 06/11/21 10:07

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

Date Collected: 06/11/21 06:05 Date Received: 06/11/21 10:07

Lab Sample ID: 890-799-3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Date Collected: 06/11/21 06:09 Date Received: 06/11/21 10:07

Lab Sample ID: 890-799-4

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

Job ID: 890-799-1

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

Client Sample ID: FS5

Date Collected: 06/11/21 06:18 Date Received: 06/11/21 10:07

Lab Sample ID: 890-799-5

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

Date Collected: 06/11/21 06:28 Date Received: 06/11/21 10:07

Lab Sample ID: 890-799-6

Matrix: Solid

tch E	Batch		Dil	Initial	Final	Batch	Prepared		
pe N	/lethod	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
ep 5	6035			4.95 g	5 mL	4041	06/12/21 11:30	KL	XEN MID
alysis 8	8021B		1	5 mL	5 mL	4044	06/13/21 02:58	KL	XEN MID
ep 8	015NM Prep			10.07 g	10 mL	4072	06/14/21 09:07	DM	XEN MID
alysis 8	015B NM		1			4080	06/14/21 15:50	AM	XEN MID
ach D	OI Leach			5.01 g	50 mL	4087	06/14/21 11:59	CH	XEN MID
alysis 3	00.0		1			4125	06/16/21 01:41	CH	XEN MID
e	p 5 alysis 8 p 8 alysis 8 ch [p 5035 slysis 8021B p 8015NM Prep slysis 8015B NM ch DI Leach	p 5035 sllysis 8021B p 8015NM Prep sllysis 8015B NM	p 5035 sllysis 8021B 1 p 8015NM Prep sllysis 8015B NM 1 ch DI Leach	p 5035 4.95 g sllysis 8021B 1 5 mL p 8015NM Prep 10.07 g sllysis 8015B NM 1 ch DI Leach 5.01 g	p 5035 4.95 g 5 mL Nlysis 8021B 1 5 mL 5 mL p 8015NM Prep 10.07 g 10 mL Nlysis 8015B NM 1 ch DI Leach 5.01 g 50 mL	p 5035 4.95 g 5 mL 4041 hlysis 8021B 1 5 mL 5 mL 4044 p 8015NM Prep 10.07 g 10 mL 4072 hlysis 8015B NM 1 4080 ch DI Leach 5.01 g 50 mL 4087	p 5035 4.95 g 5 mL 4041 06/12/21 11:30 slysis 8021B 1 5 mL 5 mL 4044 06/13/21 02:58 p 8015NM Prep 10.07 g 10 mL 4072 06/14/21 09:07 slysis 8015B NM 1 4080 06/14/21 15:50 ch DI Leach 5.01 g 50 mL 4087 06/14/21 11:59	p 5035 4.95 g 5 mL 4041 06/12/21 11:30 KL slysis 8021B 1 5 mL 5 mL 4044 06/13/21 02:58 KL p 8015NM Prep 10.07 g 10 mL 4072 06/14/21 09:07 DM slysis 8015B NM 1 4080 06/14/21 15:50 AM ch DI Leach 5.01 g 50 mL 4087 06/14/21 11:59 CH

Client Sample ID: FS7

Date Collected: 06/11/21 06:35 Date Received: 06/11/21 10:07

Lab Sample ID: 890-799-7

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Date Collected: 06/11/21 06:40

Date Received: 06/11/21 10:07

Lab Sample	ID: 890-799-8
	Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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	СН	XEN MID
Soluble	Analysis	300.0		1			4125	06/16/21 01:51	CH	XEN MID

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

Run

Job ID: 890-799-1

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Dil

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Factor

Initial

Amount

5.01 g

5 mL

10.02 g

5.05 g

Final

Amount

5 mL

5 mL

10 mL

50 mL

4080

4086

4124

Client Sample ID: FS10

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Date Collected: 06/11/21 06:50 Date Received: 06/11/21 10:07

Batch

Туре

Prep

Prep

Analysis

Analysis

Analysis

Leach

Batch

Method

5035

8021B

8015NM Prep

8015B NM

DI Leach

300.0

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

Batch Prepared Number or Analyzed Analyst Lab 4043 06/12/21 11:00 KL XEN MID XEN MID 4046 06/12/21 20:29 KL 06/14/21 09:07 DM XEN MID 4072

AM

СН

06/14/21 17:15

06/14/21 11:57

06/15/21 16:12 CH

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

Date Collected: 06/11/21 06:55
Date Received: 06/11/21 10:07

Lab Sample ID: 890-799-11

Matrix: Solid

XEN MID

XEN MID

XEN MID

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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	СН	XEN MID
Soluble	Analysis	300.0		1			4124	06/15/21 16:27	CH	XEN MID

Client Sample ID: SW2

Date Collected: 06/11/21 07:10 Date Received: 06/11/21 10:07

Lab Sample ID: 890-799-14

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Date Collected: 06/11/21 07:15 Date Received: 06/11/21 10:07

Lab Sample ID: 890-799-15

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Date Collected: 06/11/21 07:20 Date Received: 06/11/21 10:07

Lab Sample ID: 890-799-16

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	XEN MID
Soluble	Analysis	300.0		1			4124	06/15/21 16:51	CH	XEN MID

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	XEN MID
Soluble	Analysis	300.0		1			4124	06/15/21 17:06	CH	XEN MID

Client Sample ID: SW6

Date Collected: 06/11/21 07:30 Date Received: 06/11/21 10:07

Lab Sample ID: 890-799-18 **Matrix: Solid**

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	XEN MID
Soluble	Analysis	300.0		1			4124	06/15/21 17:11	CH	XEN MID

Client Sample ID: SW7

Date Collected: 06/11/21 07:35 Date Received: 06/11/21 10:07

Lab Sample ID: 890-799-19

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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	СН	XEN MID
Soluble	Analysis	300.0		1			4124	06/15/21 17:16	CH	XEN MID

Client Sample ID: SW8

Date Collected: 06/11/21 07:40

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Date Collected: 06/11/21 07:50 Date Received: 06/11/21 10:07

Lab Sample ID: 890-799-22

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

Date Collected: 06/11/21 07:55 Date Received: 06/11/21 10:07

Lab Sample ID: 890-799-23

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

Date Collected: 06/11/21 08:00 Date Received: 06/11/21 10:07

Lab Sample ID: 890-799-24

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Client: Contango Resources LLC

Job ID: 890-799-1

Project/Site: Sara Johnson Battery

Lab Sample ID: 890-799-25

Client Sample ID: SW13
Date Collected: 06/11/21 08:05
Date Received: 06/11/21 10:07

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Lab Sample ID: 890-799-26

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

Client Sample ID: SW14

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Job ID: 890-799-1

Project/Site: Sara Johnson Battery

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	

Eurofins Xenco, Carlsbad

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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

Eurofins Xenco, Carlsbad

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Sample Summary

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

Job ID: 890-799-1

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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	
390-799-25	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	

Environment Testing Xenco

Chain of Custody

	y Name:	different)		Hobbs, NM (5	EL Paso, TX (Midland, TX (43	TV
717 Local A. State of Project:	Contengo Resources LCC			Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	10041 040 4000 Dallas TV (014) 000-0300
State of Project:	Program: UST/PST PRP Brownfields RRC	Work Order Comments	www.xenco.com Page /			Work Order No:	

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Bill to, Ill different)		gns standard terms and conditions to circumstances beyond the control to enforced unless previously negotiated.	o, Its affiliates and subcontractors. It assi urred by the client if such losses are due inco, but not analyzed. These terms will b	ompany to Eurofins Xence y losses or expenses incu- submitted to Eurofins Xe	valid purchase order from client o ot assume any responsibility for a nd a charge of \$5 for each sample	t of samples constitutes a ost of samples and shall no e applied to each project a	locument and relinquishmen o will be liable only for the co imum charge of \$85.00 will b	ice: Signature of this of ervice. Eurofins Xenco. A min
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Manager: ☐r Curt; S Bill to: (if different) Manager: ☐r Curt; S Bill to: (if different) Mork Order Comments No Manager: ☐r Curt; S Louing to Resources, Luc Company Name: Contango Resources, Luc Str. 2002 State of Project: Reporting: Level III ☐ PST/UST ☐ TRRP ☐ Sys - 426 - 2/15 Name: Sara Johnson Batter ☐ Decitine: ☐Rush Code Location: Gara Johnson Batter ☐ Temp.Blank: Zees No Thermometer ID: ☐ Alpha.ex ☐ No Met tee: (Yes No Thermometer ID: ☐Alpha.ex ☐ Names) Preservative Name: Sara Johnson Batter ☐ Temp.Blank: Zees No Thermometer ID: ☐Alpha.ex ☐ Names Preservative Name: Sara Johnson Batter ☐ Temp.Blank: Zees No Thermometer ID: ☐Alpha.ex ☐ Names Preservative Name: ☐ Gara Johnson Batter ☐ No Met tee: (Yes No Thermometer ID: ☐Alpha.ex ☐ Names) Name: ☐ Gara Johnson Batter ☐ Temp.Blank: Zees No Thermometer ID: ☐Alpha.ex ☐ Names Name: ☐ Gara Johnson Batter ☐ Halpha.ex ☐ Names Name: ☐ Gara Johnson Batter ☐ No Met tee: (Yes No Thermometer ID: ☐Alpha.ex ☐ Names Name: ☐ Gara Johnson Batter ☐ No Met tee: (Yes No Thermometer ID: ☐Alpha.ex ☐ Names Name: ☐ Gara Johnson Batter ☐ Names Name: ☐ Names Name: ☐ Gara Johnson Batter ☐ Names Name: ☐ Names Name: ☐ Names Names	NaSO ₃		890-799 Chain of 0		Ľ	-	Yes No	oler Custody Seal
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Manager:	₽	Н₃РО₄: Н		15	YES NO	A		MPLE RECEI
Manager: ☐r Curt.S Bill to: (if different) Monager: ☐r Curt.S LC Company Name: Contango Resources LC Il 40 S Lovington Hw Address: 717 10×as Ave Ste 29cx ate ZIP: Artevia Manager: ☐r Curt.S Email: ☐r, Curt.S (a Contango, Com Name: Sara Johnson Batter) Turn Around Pres. Number: ☐r Curt.S Due Date: ☐ Coot: Coot Method of Coot: Coot Method of Curt. Substants the day received by prison manager: ☐r Curt.S Due Date: ☐r Curt.S Name: ☐r Curt.S Due Date: ☐r Curt.S Due Date: ☐r Curt.S Name: ☐r Curt.S Due Date: ☐r Curt.S Due Date: ☐r Curt.S Name: ☐r Curt.S Due Date: ☐r Curt.S Due Date: ☐r Curt.S Name: ☐r Curt.S		H ₂ S0 ₄ : H ₂		M	<u></u>			PO#:
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Manager: Jr Curtis Bill to: (if different) Work Order Comments Name: Contange Res our ces 1LC Company Name: Contange Resources LCC Il 405 Lovingto Hwy Address: 717 Toyas Aue Ste 2900 ate zip: Artisia Name: Sara Johnson Batter Turn Around Pres. Name:		Cool: Coo)_ 			Johnson	Project Location:
Manager: Jr Curt, S Bill to: (if different) Work Order Comments Name: Contange Resources LLC Company Name: Contange Resources LLC Name: Louington Hwy Address: 717 Toxas Aug St 2900 State of Project: PRP Brownfields RRC State of Project: Reporting: Level III PST/UST TRRP Name: Sara Johnson Bathry Turn Around ANALYSIS REQUEST Name: Sara Johnson Bathry Turn Around ANALYSIS REQUEST Name: Sara Johnson Bathry Turn Around Preservative Name: Sara Johnson Bathry Turn Around Preservative Name: Sara Johnson Bathry Turn Around Preservative Name: Sara Johnson Bathry Turn Around Preservative Name: Sara Johnson Bathry Turn Around Preservative Name: Sara Johnson Bathry Turn Around Preservative Name: Sara Johnson Bathry Turn Around Preservative Name: Sar		None: NO			Rush			Project Number:
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rage /	its	Work Order Commen			Bill to: (if different)		_	Project Manager:
U	OI.	www.xenco.com rage						

votice: Signature of this document and relinquishment of samples constitutes a valid p

Relinquished by: (Signature)

Received by: (Signature)

6/11/24

10:07

Date/Time

Relinquished by: (Signature)

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Date/Time

Revised Date: 08/25/2020 Rev. 2020.2

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Sample Identification

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eurofins

Environment Testing

Xenco

Phone:

City, State ZIP:

Artesia NM

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Project Manager:

Cortis

Company Name:

Contango

Resources

11405

Louing to

HW

Project Name:

Jara Johnson 2218-97-5122

124m

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SAMPLE RECEIPT

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Yes No Wellice:

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Samples Received Intact:

Cooler Custody Seals:

ample Custody Seals:

Yes No Yes No Sampler's Name:

oject Location:

Johnson

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Midland, TX (43	Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	Work Order No:
EL Paso, TX (Hobbs, NM (5	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	www.xenco.com Page 2 of 3
Bill to: (if different)		ò
Lして Company Name:	Contango Resources LLC	Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐
Address:		ł
City, State ZIP:	Hougher TX 77002	Reporting: Level II Level III PST/UST TRRP Level IV
Email: JC Curty 10		Deliverables: EDD ☐ ADaPT ☐ Other:
Aurn Around	ANALYSIS REQUEST	NEST Preservative Codes
Routine Rush Code		None: NO DI Water: H ₂ O
		Coal: Cool MeOH: Me
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Wet Ice Yes No eter:		0
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TCLP / SPLP 6010: 8RCRA	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471
titutes a valid purchase order from client co	stitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions to the client if such losses are due to circumstances beyond the control	It assigns standard terms and conditions re due to circumstances beyond the control
project and a charge of \$5 for each sample	project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	s will be enforced unless previously negotiated.

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Chain of Custody

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e control negotiated.	are due to circumstances beyond the ns will be enforced unless previously	Notice: Signature of this doctment and relinquistment of samples constitutes a value processor over non-company of Eurofina Notice; Signature of this doctment and relinquistment of samples and shall not assume any responsibility for any losses or expenses incurred by the cilent if such losses are due to circumstances beyond the control of service. Eurofina Xenco, A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	ility for any losses or h sample submitted	assume any responsib	mples constitutes a va samples and shall not led to each project an	e only for the cost of sof \$85.00 will be appli	enco will be liable ninimum charge o	f service. Eurofins X Eurofins Xenco. A
Hg: 1631 / 245.1 / /4/0 / /4/1	Ni Se Ag TI U	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo	CRA Sb As E	TCLP / SPLP 6010: 8RCRA	ICLP,	Circle Method(s) and Metal(s) to be analyzed	and Metal(s)	ircle Method(s)
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NaHSO ₄ : NABIS		, _			Thermometer-IB:			Samples Received Intact:
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HCL: HC HNO3: HN			(b)	le:	_	Sahasan Cotter	Sers	Project Location:
			Code	ne	LRoutine		•	Project Number:
ervati	DUEST	ANALYSIS REQ		Turn Around	B.H.J.	Jahrson B	Sara	Project Name:
ADaP1 L1 Other:	Deliverables: EDD	Contango-com	Curtis (Conte	Email: Jr. Cu	En	75-420-8175	575	Phone:
	Reporting: Level II Level III PSI/USI IRRF L	bo 1x 77602	Howton	City, State ZIP:	2128	N'M'	Antaia	City, State ZIP:
	State of Project:	Texas Au Ste 2900	SIC	Address:	to Hay	Louise	11405	Address:
Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐	Program: UST/PST PRP	ortango Resources LLC			Resources LLC	sortengo Re	Cont	Company Name:
Work Order Comments	Work (nt)	Bill to: (if different)		- Curtis	4	Project Manager:
co.com Page S of S	www.xenco.com		20, 1988 (21.0) 2021 10					
		EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	aso, TX (915) 585-3 s NM (575) 392-75	EL P.		Xenco		
ler No:	Work Order No:	Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	d, TX (432) 704-544	Midlan	Environment Testing	Environak		
		Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300	ston, TX (281) 240-	Hou			ofins	eurofins

Eurofins Xenco, Carlsbad

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1089 N Canal St.	<u> </u>	Chain of Custody Record	of Cus	tody R	ecor	2								ို့	💸 eurofins	Envii	Environment Testing
Phone 575-988-3199 Fax: 575-988-3199				,												America	ica
Client Information (Sub Contract Lab)	Sampler			Lab PM Builes	s John				Car	Carrier Tracking No(s):	ing No(s);		COC No:	58 1		
l	Phone.			E-Mail	E-Mail john builes@eurofinset com	urofins	et com		Sta	State of Origin: New Mexico	3 🗏			Page:	Page:		
Company: Eurofins Xenco					Accreditations Required (See note NELAP - Texas	ns Requ	ired (Se	e note)	ļ					Job #:	20 1		
Address 1211 W Florida Ave	Due Date Requested 6/17/2021	ed						Analysis	Requested	sted				Prese	Preservation Codes	les	
City Midland	TAT Requested (days)	ays)					_					\exists		B A	요프		Hexane None
State Ztp TX, 79701							~						- (E D C	Zn Acetate Nitric Acid NaHSO4	O P O	AsNaO2 Na2O4S Na2SO3
Phone: 432-704-5440(Tel)	PO#:						~~~~						M. A. 10		MeOH Amchlor		Na2S2O3 H2SO4
Email	WO#				0)				1r-ar-v-				Œ\$.	_ — н В 8	Ascorbic Acid ce DI Water		TSP Dodecahydrate Acetone MCAA
Project Name: Sara Johnson Battery	Project #: 89000045				s or N		EX						ainer		EDTA EDA	지 당 무	pH 4-5 other (specify)
Site:	SSOW#:				SD (Ye		Calc BT		************				of conf	Other			
			Sample Type	Matrix (W=water	Filtered rm MS/N NOD_NM/8	RGFM_2	1/5035FP_						Number				
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	و ج	Ē, .	Perfo		8021E						Total		Special Instructions/Note	structi	ons/Note
FS1 (890-799-1)	8/44/54	05 45	Preservation Code:	ion Code:	×	- 3,479	(- Lorento	l de				X	5,92			
FS2 (890-799-2)	6/11/21	Mountain 05 55		Solid	× >	× >	<u> </u>										
FS3 (890-799-3)	6/11/21	06 05		Solid	×		×						-				
FS4 (890-799-4)	6/11/21	06 09 Mountain		Solid	×	×	×			寸	+	1	profession of the second	20,000,000			
FS5 (890-799-5)	6/11/21	06 18 Mountain		Solid	×	×	×						4	Sautanii i	11 11 11 11 11 11 11 11 11 11 11 11 11		
FS6 (890-799-6)	6/11/21	06 28 Mountain		Solid	×	×	×						ang .				
FS7 (890-799-7)	6/11/21	06 35 Mountain		Solid	×	×	×						ند				
FS8 (890-799-8)	6/11/21	06 40 Mountain		Solid	×	×	×						4,		***************************************		
FS9 (890-799-9)	6/11/21	06 45 Mountain		Solid	×	×	×						4	300, 400,000			
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 brough 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.	blaces the ownership seing analyzed the s rn the signed Chain	o of method an samples must be of Custody atte	alyte & accredi e shipped back sting to said co	tation complian to the Eurofins	ce upon ou 3 Xenco LL(urofins Xer	t subcon C laborat	ract lab	oratories. Thi her instruction	s sample s is will be p	hipment rovided	s forward Any chan	led unde iges to a	r chain- ccredita	of-custor	dy If the labo	oratory do	bes not currently currently Seurofins Xenco
Possible Hazard Identification					Samp	Sample Disposal (A fe	osal (A fee may	may be assessed if samples	ssed i	samp	es are	retair	ed for	are retained longer than 1	month)	ħ)
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1	Date/Time:			Company	Re	Received by	~ }				Date	Date/Time [.]				Company	yny
Custody Seals Intact Custody Seal No ∆ Yes ∆ No					Co	Cooler Temperature(s) °C	perature		and Other Remarks.	Ś	l					l	

Ver. 11/01/2020

Eurofins Xe 1089 N Canal St. Carlsbad NM 8 Phone 575-988-

enco, Carlsbad t 88220	Chain of Custody Record	ly Record		eurofins Environment Testing America
-3199 Fax: 575-988-3199				. 78374164
	Sampler	Lab PM	Carrier Tracking No(s)	COCNo
nation (Sub Contract Lab)		Builes John		890-258 3
	Phone:	E-Mail	State of Origin:	Page
nng e		John builes@eurofinset com	New Mexico	Page 3 of 3
		Accreditations Required (See note)		Job#:

	Sampler			l ab PM		l				Carrior T	and in a	12/21			000 kts.		
Client Information (Sub Contract Lab)	-			Builes	John					Caller Hacking 140(s)	Grand	(c)			890-258 3		
Shipping/Receiving	Phone:			E-Mail John builes@eurofinset com	uiles@)eurof	înset	com		State of Origin: New Mexico	Origin:				Page Page 3 of 3		
Eurofins Xenco				7 >	Accreditations Requ NELAP - Texas	tions R	equire as	Accreditations Required (See note) NELAP - Texas							Job#: 890-799-1		
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SW8 (890-799-20)	6/11/21	Mountain		Solid		×	×										
SW9 (890-799-21)	6/11/21	07 45 Mountain		Solid		×	<u>×</u>							25)			
SW10 (890-799-22)	6/11/21	07 50 Mountain		Solid		×	×							*			
SW11 (890-799-23)	6/11/21	07 55 Mountain		Solid		×	×							هر			
SW12 (890-799-24)	6/11/21	08 00 Mountain		Solid		×	×							4			
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Note Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laborate maintain accreditation in the State of Origin listed above for analysis/flests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other 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.	LC places the ownership of method analyte & accreditation compliance upon out subcontrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC labora return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.	of method an amples must b of Custody atte	nalyte & accreditation shipped back to the shipped back to the sting to said complete.	n compliano he Eurofins icance to Eu	e upon o Xenco L rofins X	out sub LC lab enco L	contra oratory LC.	ct laboratorie or other inst	s. This sam ructions will	ole shipm	ent is for	warded changes	under c	hain-c editat	f-custody If the	ne laborato	tories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco
Possible Hazard Identification					San	ple L)ispo	Sample Disposal (A fee	may be a	ssesse	d if sa	mples	are r	tain	may be assessed if samples are retained longer than 1 month)	han 1 m	ronth)
Deliverable Requested I II III IV Other (specify)	Primary Deliverable Rank	able Rank 2	2		Spe	cial Ir	struc	Special Instructions/QC F	C Requirements	ents	ру Са			AICH	AICHIVE FOR		Months
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Custody Seals Intact. Custody Seal No						Cooler	Tempe	Cooler Temperature(s) °C :	°C and Other Remarks	marks.							

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

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	

113

2

3

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5

7

9

11

46

Appendix D Photographic Log

Photographic Log

Photo Number:

1

Photo Direction:

East

Photo Description:

Northern edge of the spill inside the containment.



Photo Number:

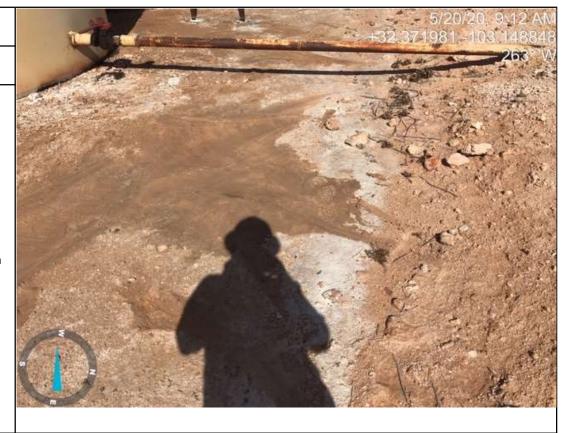
2

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.

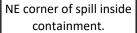
Photo Number:

4

Photo Direction:

North

Photo Description:





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





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

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

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

CONDITIONS

Action 38330

CONDITIONS

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

CONDITIONS

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